

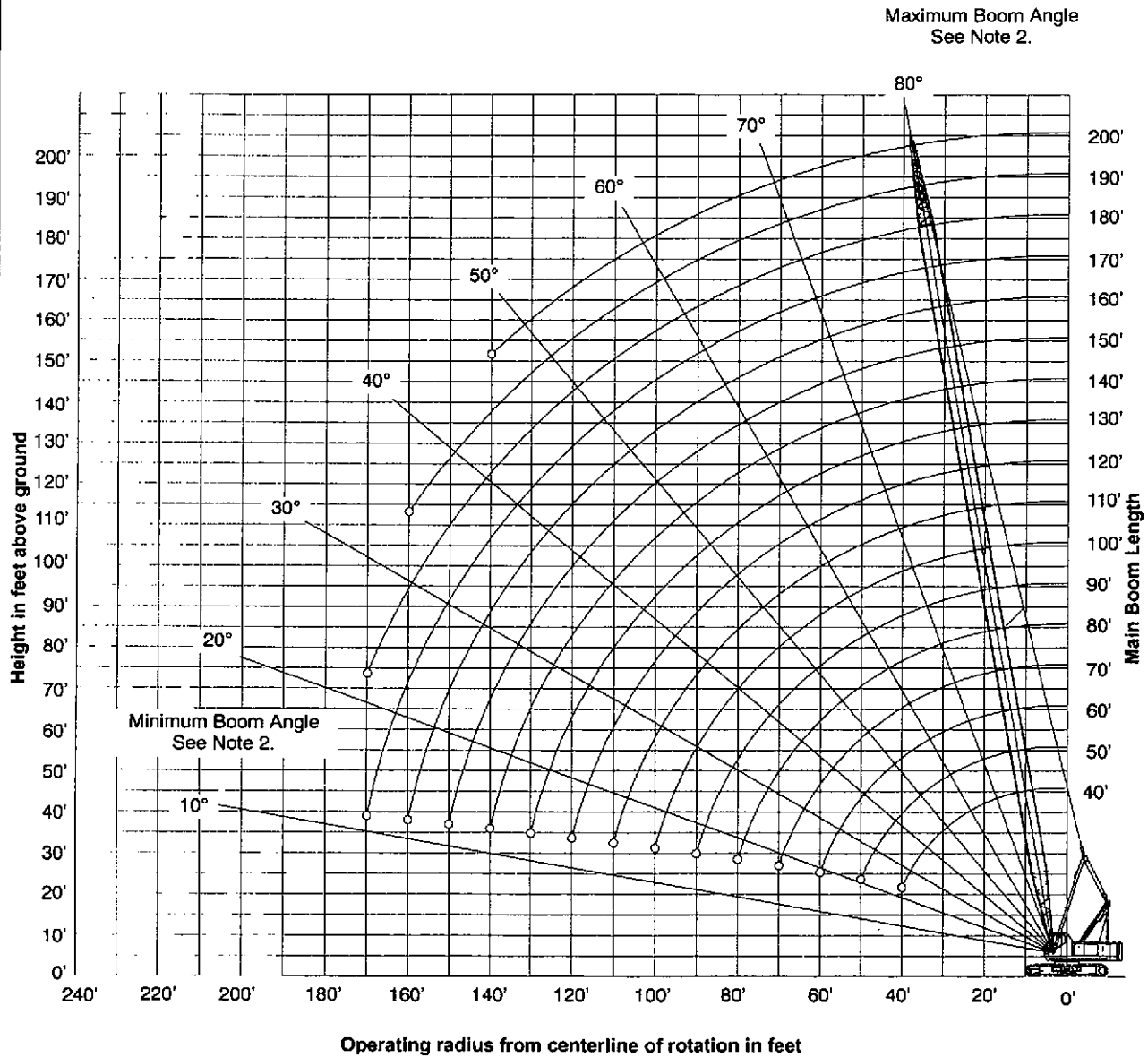


## LIFTING CHARTS - Crawler Cranes

### LINK-BELT MODEL LS-138H II - 80 TON CAPACITY

## WORKING RANGE DIAGRAM

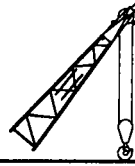
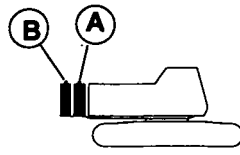
### 40' TO 200' OPEN THROAT BOOM



#### Notes:

1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for each boom length.

# STERLING CRANE



| MAIN BOOM CAPACITIES - 40 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                  | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                    |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                    |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 9                                                  | 81.8             | 160,000          | 160,000              | 160,000      | 160,000     | 143,300               | 77,200      |
| 10                                                 | 80.3             | 160,000          | 160,000              | 160,000      | 153,200     | 116,900               | 62,800      |
| 11                                                 | 78.9             | 160,000          | 160,000              | 157,600      | 123,000     | 98,600                | 52,700      |
| 12                                                 | 77.4             | 160,000          | 160,000              | 146,300      | 98,100      | 85,100                | 45,300      |
| 13                                                 | 75.9             | 151,900          | 151,900              | 134,800      | 81,500      | 74,800                | 39,700      |
| 14                                                 | 74.5             | 141,600          | 141,600              | 118,600      | 69,500      | 68,600                | 35,200      |
| 15                                                 | 73.0             | 132,600          | 132,600              | 103,500      | 60,500      | 60,000                | 31,500      |
| 16                                                 | 71.5             | 124,700          | 124,700              | 91,800       | 53,500      | 54,500                | 28,500      |
| 17                                                 | 69.9             | 117,600          | 117,600              | 82,300       | 47,900      | 49,900                | 26,000      |
| 18                                                 | 68.4             | 111,300          | 108,700              | 74,600       | 43,300      | 46,000                | 23,900      |
| 19                                                 | 66.9             | 105,800          | 99,500               | 68,200       | 39,400      | 42,600                | 22,000      |
| 20                                                 | 65.3             | 100,400          | 91,600               | 62,700       | 36,200      | 39,700                | 20,400      |
| 25                                                 | 57.1             | 80,200           | 65,400               | 44,500       | 25,300      | 29,200                | 14,600      |
| 30                                                 | 48.1             | 60,900           | 50,500               | 34,100       | 19,100      | 22,900                | 11,100      |
| 35                                                 | 37.5             | 48,800           | 40,900               | 27,400       | 15,100      | 18,600                | 8,700       |
| 40                                                 | 23.4             | 40,500           | 34,100               | 22,700       | 12,200      | 15,400                | 7,000       |

| MAIN BOOM CAPACITIES - 50 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                  | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                    |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                    |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 11                                                 | 81.1             | 159,900          | 159,900              | 157,300      | 123,900     | 99,000                | 53,100      |
| 12                                                 | 80.0             | 159,900          | 159,900              | 145,100      | 98,900      | 85,500                | 45,700      |
| 13                                                 | 78.8             | 151,700          | 151,700              | 134,600      | 82,100      | 75,100                | 40,000      |
| 14                                                 | 77.6             | 141,500          | 141,500              | 119,100      | 70,000      | 68,900                | 35,500      |
| 15                                                 | 76.4             | 132,500          | 132,500              | 104,000      | 61,000      | 60,300                | 31,800      |
| 16                                                 | 75.3             | 124,600          | 124,600              | 92,200       | 53,900      | 54,800                | 28,800      |
| 17                                                 | 74.1             | 117,600          | 117,600              | 82,700       | 48,300      | 50,200                | 26,200      |
| 18                                                 | 72.9             | 111,200          | 109,100              | 75,000       | 43,600      | 46,200                | 24,100      |
| 19                                                 | 71.7             | 105,500          | 99,800               | 68,500       | 39,800      | 42,900                | 22,200      |
| 20                                                 | 70.5             | 100,300          | 91,900               | 63,000       | 38,500      | 39,900                | 20,600      |
| 25                                                 | 64.3             | 80,200           | 65,600               | 44,700       | 25,500      | 29,400                | 14,800      |
| 30                                                 | 57.7             | 61,100           | 50,700               | 34,300       | 19,300      | 23,000                | 11,300      |
| 35                                                 | 50.6             | 49,000           | 41,100               | 27,800       | 15,300      | 18,700                | 8,900       |
| 40                                                 | 42.7             | 40,700           | 34,400               | 22,900       | 12,400      | 15,600                | 7,200       |
| 50                                                 | 20.9             | 30,000           | 25,500               | 16,800       | 8,700       | 11,400                | 4,800       |

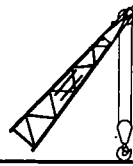
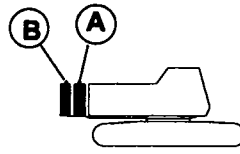
| MAIN BOOM CAPACITIES - 60 FT OPEN THROAT TUBE BOOM |                  |                  |                      |             |             |                       |             |
|----------------------------------------------------|------------------|------------------|----------------------|-------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                  | Boom Angle (deg) | Over End Blocked | Side Frames Extended |             |             | Side Frames Retracted |             |
|                                                    |                  | AB CTWT (lb)     | AB CTWT (lb)         | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb)           | 0 CTWT (lb) |
| 12                                                 | 81.6             | 148,800          | 148,800              | 144,800     | 99,300      | 85,600                | 45,900      |
| 13                                                 | 80.7             | 146,400          | 146,400              | 134,400     | 82,500      | 75,300                | 40,100      |
| 14                                                 | 79.7             | 141,200          | 141,200              | 119,400     | 70,400      | 67,000                | 35,600      |
| 15                                                 | 78.7             | 132,300          | 132,300              | 104,200     | 61,300      | 60,400                | 31,900      |
| 16                                                 | 77.8             | 124,400          | 124,400              | 92,400      | 54,200      | 54,900                | 28,900      |
| 17                                                 | 76.8             | 117,400          | 117,400              | 82,900      | 48,500      | 50,300                | 26,300      |
| 18                                                 | 75.8             | 111,100          | 109,300              | 75,100      | 43,800      | 46,300                | 24,200      |
| 19                                                 | 74.8             | 105,400          | 99,900               | 68,700      | 39,900      | 42,900                | 22,300      |
| 20                                                 | 73.8             | 100,200          | 92,100               | 63,200      | 36,600      | 39,900                | 20,600      |
| 25                                                 | 68.8             | 80,200           | 65,700               | 44,800      | 25,600      | 29,400                | 14,800      |
| 30                                                 | 63.6             | 61,200           | 50,800               | 34,400      | 19,400      | 23,000                | 11,300      |
| 35                                                 | 58.1             | 49,100           | 41,100               | 27,700      | 15,300      | 18,700                | 8,900       |
| 40                                                 | 52.3             | 40,800           | 34,400               | 23,000      | 12,500      | 15,600                | 7,200       |
| 50                                                 | 38.9             | 30,100           | 25,600               | 16,800      | 8,800       | 11,400                | 4,800       |
| 60                                                 | 19.0             | 23,600           | 20,100               | 13,000      | 6,400       | 8,700                 | 3,300       |

| MAIN BOOM CAPACITIES - 70 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                  | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                    |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                    |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 14                                                 | 81.2             | 129,700          | 129,700              | 119,800      | 70,600      | 67,100                | 35,700      |
| 15                                                 | 80.4             | 126,800          | 126,800              | 104,400      | 61,400      | 60,400                | 32,000      |
| 16                                                 | 79.5             | 124,100          | 124,100              | 92,600       | 54,300      | 54,900                | 28,900      |
| 17                                                 | 78.7             | 117,100          | 117,100              | 83,000       | 48,600      | 50,300                | 26,400      |
| 18                                                 | 77.9             | 110,800          | 109,400              | 75,200       | 43,900      | 46,300                | 24,200      |
| 19                                                 | 77.0             | 105,200          | 100,000              | 68,700       | 40,000      | 42,900                | 22,300      |
| 20                                                 | 76.2             | 100,000          | 92,100               | 63,200       | 36,700      | 39,900                | 20,600      |
| 25                                                 | 71.9             | 80,200           | 65,700               | 44,800       | 25,600      | 29,400                | 14,800      |
| 30                                                 | 67.6             | 61,200           | 50,800               | 34,400       | 19,400      | 23,000                | 11,300      |
| 35                                                 | 63.1             | 49,100           | 41,100               | 27,700       | 15,300      | 18,700                | 8,900       |
| 40                                                 | 58.4             | 40,800           | 34,400               | 23,000       | 12,500      | 15,600                | 7,100       |
| 50                                                 | 48.1             | 30,100           | 25,600               | 16,800       | 8,800       | 11,400                | 4,800       |
| 60                                                 | 35.9             | 23,600           | 20,100               | 13,000       | 6,400       | 8,700                 | 3,300       |
| 70                                                 | 17.6             | 19,100           | 16,300               | 10,300       | 4,800       | 6,800                 | 2,200       |

| MAIN BOOM CAPACITIES - 80 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                  | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                    |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                    |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 15                                                 | 81.6             | 116,800          | 116,800              | 104,500      | 61,600      | 60,400                | 32,000      |
| 16                                                 | 80.9             | 114,600          | 114,600              | 92,700       | 54,400      | 54,900                | 28,900      |
| 17                                                 | 80.1             | 111,400          | 111,400              | 83,100       | 48,700      | 50,300                | 26,300      |
| 18                                                 | 79.4             | 109,300          | 109,300              | 75,300       | 44,000      | 46,300                | 24,100      |
| 19                                                 | 78.7             | 104,900          | 100,100              | 68,800       | 40,100      | 42,900                | 22,200      |
| 20                                                 | 77.9             | 99,800           | 92,200               | 63,300       | 36,700      | 39,900                | 20,600      |
| 25                                                 | 74.2             | 80,000           | 65,700               | 44,800       | 25,600      | 29,400                | 14,700      |
| 30                                                 | 70.5             | 61,200           | 50,700               | 34,400       | 19,300      | 22,900                | 11,200      |
| 35                                                 | 66.6             | 49,000           | 41,100               | 27,800       | 15,300      | 18,600                | 8,800       |
| 40                                                 | 62.7             | 40,700           | 34,300               | 22,900       | 12,400      | 15,500                | 7,100       |
| 50                                                 | 54.3             | 30,100           | 25,500               | 16,800       | 8,700       | 11,300                | 4,700       |
| 60                                                 | 44.8             | 23,500           | 20,000               | 12,900       | 6,400       | 8,600                 | 3,200       |
| 70                                                 | 33.5             | 19,100           | 16,300               | 10,300       | 4,800       | 6,700                 | 2,100       |
| 80                                                 | 18.5             | 15,900           | 13,500               | 8,300        | 3,600       | 5,300                 | ---         |

| MAIN BOOM CAPACITIES - 90 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                  | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                    |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                    |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 16                                                 | 81.9             | 104,700          | 104,700              | 92,700       | 54,500      | 54,900                | 28,900      |
| 17                                                 | 81.2             | 102,800          | 102,800              | 83,200       | 48,700      | 50,200                | 26,300      |
| 18                                                 | 80.6             | 101,200          | 101,200              | 75,300       | 44,000      | 46,200                | 24,100      |
| 19                                                 | 79.9             | 99,600           | 99,600               | 68,800       | 40,100      | 42,800                | 22,200      |
| 20                                                 | 79.3             | 97,700           | 92,200               | 63,300       | 36,700      | 39,800                | 20,500      |
| 25                                                 | 76.0             | 79,800           | 65,700               | 44,800       | 25,600      | 29,300                | 14,700      |
| 30                                                 | 72.7             | 61,200           | 50,700               | 34,300       | 19,300      | 22,800                | 11,100      |
| 35                                                 | 69.4             | 49,000           | 41,000               | 27,500       | 15,200      | 18,500                | 8,700       |
| 40                                                 | 65.9             | 40,700           | 34,200               | 22,800       | 12,300      | 15,400                | 6,900       |
| 50                                                 | 58.7             | 30,000           | 25,400               | 16,700       | 8,600       | 11,200                | 4,600       |
| 60                                                 | 50.9             | 23,500           | 19,900               | 12,800       | 6,300       | 8,500                 | 3,100       |
| 70                                                 | 42.2             | 19,000           | 16,200               | 10,200       | 4,700       | 6,800                 | 2,000       |
| 80                                                 | 31.5             | 15,800           | 13,400               | 8,300        | 3,500       | 5,200                 | ---         |
| 90                                                 | 15.5             | 13,400           | 11,300               | 6,800        | 2,600       | 4,100                 | ---         |

# STERLING CRANE



| MAIN BOOM CAPACITIES - 100 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|-----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                   | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                     |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                     |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 18                                                  | 81.5             | 83,400           | 83,400               | 75,300       | 44,000      | 46,200                | PROHIBITED  |
| 19                                                  | 81.0             | 82,000           | 82,000               | 68,800       | 40,000      | 42,700                |             |
| 20                                                  | 80.4             | 80,400           | 80,400               | 63,200       | 36,700      | 39,700                |             |
| 25                                                  | 77.5             | 70,800           | 65,600               | 44,700       | 25,500      | 29,200                |             |
| 30                                                  | 74.5             | 61,100           | 50,800               | 34,200       | 19,200      | 22,700                |             |
| 35                                                  | 71.5             | 48,900           | 40,800               | 27,400       | 15,100      | 18,400                |             |
| 40                                                  | 68.5             | 40,800           | 34,100               | 22,700       | 12,200      | 15,300                |             |
| 50                                                  | 62.1             | 29,900           | 25,300               | 16,800       | 8,500       | 11,100                |             |
| 60                                                  | 55.4             | 23,400           | 19,800               | 12,700       | 6,200       | 8,400                 |             |
| 70                                                  | 48.2             | 18,900           | 16,100               | 10,100       | 4,600       | 6,500                 |             |
| 80                                                  | 39.9             | 15,700           | 13,300               | 8,100        | 3,400       | 5,100                 |             |
| 90                                                  | 29.9             | 13,300           | 11,200               | 6,700        | 2,500       | 4,000                 |             |
| 100                                                 | 14.7             | 11,400           | 9,500                | 5,500        | ---         | 3,100                 |             |

| MAIN BOOM CAPACITIES - 130 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|-----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                   | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                     |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                     |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 25                                                  | 80.4             | 65,100           | 65,100               | 44,500       | 28,800      | 28,800                | PROHIBITED  |
| 30                                                  | 78.1             | 60,900           | 50,300               | 33,900       | 22,300      | 22,300                |             |
| 35                                                  | 75.9             | 48,800           | 40,800               | 27,100       | 18,000      | 18,000                |             |
| 40                                                  | 73.6             | 40,200           | 33,800               | 22,300       | 14,800      | 14,800                |             |
| 50                                                  | 68.9             | 29,500           | 24,900               | 16,200       | 10,600      | 10,600                |             |
| 60                                                  | 64.1             | 23,000           | 19,400               | 12,300       | 7,900       | 7,900                 |             |
| 70                                                  | 59.1             | 18,500           | 15,600               | 9,600        | 6,000       | 6,000                 |             |
| 80                                                  | 53.8             | 15,300           | 12,900               | 7,700        | 4,700       | 4,700                 |             |
| 90                                                  | 48.2             | 12,900           | 10,800               | 6,300        | 3,600       | 3,600                 |             |
| 100                                                 | 41.9             | 11,000           | 9,200                | 5,100        | 2,700       | 2,700                 |             |
| 110                                                 | 34.8             | 9,500            | 7,800                | 4,200        | 2,000       | 2,000                 |             |
| 120                                                 | 26.1             | 8,200            | 6,700                | 3,400        | ---         | ---                   |             |
| 130                                                 | 12.9             | 7,100            | 5,800                | 2,700        | ---         | ---                   |             |

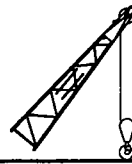
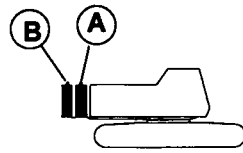
| MAIN BOOM CAPACITIES - 110 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|-----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                   | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                     |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                     |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 25                                                  | 78.6             | 57,100           | 57,100               | 44,800       | 25,400      | 29,000                | PROHIBITED  |
| 30                                                  | 75.9             | 51,000           | 50,500               | 34,100       | 19,100      | 22,600                |             |
| 35                                                  | 73.2             | 48,800           | 40,800               | 27,300       | 15,000      | 18,200                |             |
| 40                                                  | 70.5             | 40,500           | 34,000               | 22,800       | 12,100      | 15,100                |             |
| 50                                                  | 64.9             | 29,800           | 25,200               | 16,400       | 8,400       | 10,900                |             |
| 60                                                  | 59.0             | 23,200           | 19,700               | 12,800       | 6,000       | 8,200                 |             |
| 70                                                  | 52.7             | 18,800           | 15,900               | 9,900        | 4,400       | 6,400                 |             |
| 80                                                  | 45.8             | 15,600           | 13,200               | 8,000        | 3,300       | 5,000                 |             |
| 90                                                  | 38.0             | 13,200           | 11,100               | 6,500        | 2,400       | 3,900                 |             |
| 100                                                 | 28.4             | 11,300           | 9,400                | 5,400        | ---         | 3,000                 |             |
| 110                                                 | 14.0             | 9,700            | 8,100                | 4,400        | ---         | 2,300                 |             |

| MAIN BOOM CAPACITIES - 140 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|-----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                   | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                     |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                     |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 25                                                  | 81.1             | 60,000           | 60,000               | 44,400       | 28,700      | 28,700                | PROHIBITED  |
| 30                                                  | 79.0             | 56,700           | 50,200               | 33,800       | 22,200      | 22,200                |             |
| 35                                                  | 76.9             | 48,500           | 40,400               | 27,000       | 17,800      | 17,800                |             |
| 40                                                  | 74.8             | 40,100           | 33,600               | 22,200       | 14,700      | 14,700                |             |
| 50                                                  | 70.5             | 29,400           | 24,800               | 16,000       | 10,500      | 10,500                |             |
| 60                                                  | 66.1             | 22,800           | 19,200               | 12,100       | 7,800       | 7,800                 |             |
| 70                                                  | 61.5             | 18,400           | 15,500               | 9,500        | 5,900       | 5,900                 |             |
| 80                                                  | 56.8             | 15,200           | 12,700               | 7,800        | 4,500       | 4,500                 |             |
| 90                                                  | 51.7             | 12,700           | 10,800               | 6,100        | 3,400       | 3,400                 |             |
| 100                                                 | 46.3             | 10,800           | 9,000                | 4,900        | 2,600       | 2,600                 |             |
| 110                                                 | 40.3             | 9,300            | 7,700                | 4,000        | ---         | ---                   |             |
| 120                                                 | 33.5             | 8,000            | 6,800                | 3,200        | ---         | ---                   |             |
| 130                                                 | 25.2             | 7,000            | 5,800                | 2,600        | ---         | ---                   |             |
| 140                                                 | 12.4             | 6,100            | 4,800                | 2,000        | ---         | ---                   |             |

| MAIN BOOM CAPACITIES - 120 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|-----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                   | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                     |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                     |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 25                                                  | 79.8             | 71,500           | 71,500               | 44,800       | 25,400      | 28,900                | PROHIBITED  |
| 30                                                  | 77.1             | 61,000           | 50,400               | 34,000       | 19,000      | 22,500                |             |
| 35                                                  | 74.7             | 48,700           | 40,700               | 27,200       | 14,900      | 18,100                |             |
| 40                                                  | 72.2             | 40,400           | 33,900               | 22,500       | 12,000      | 15,000                |             |
| 50                                                  | 67.1             | 29,700           | 25,100               | 16,300       | 8,200       | 10,800                |             |
| 60                                                  | 61.8             | 23,100           | 19,500               | 12,400       | 5,900       | 8,100                 |             |
| 70                                                  | 56.2             | 18,700           | 15,800               | 9,800        | 4,300       | 6,200                 |             |
| 80                                                  | 50.3             | 15,500           | 13,000               | 7,900        | 3,100       | 4,800                 |             |
| 90                                                  | 43.7             | 13,000           | 10,900               | 6,400        | 2,200       | 3,700                 |             |
| 100                                                 | 36.3             | 11,100           | 9,300                | 5,200        | ---         | 2,900                 |             |
| 110                                                 | 27.2             | 9,800            | 8,000                | 4,300        | ---         | 2,200                 |             |
| 120                                                 | 13.4             | 8,300            | 6,800                | 3,500        | ---         | ---                   |             |

| MAIN BOOM CAPACITIES - 150 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|-----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                   | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                     |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                     |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 25                                                  | 81.7             | 55,100           | 55,100               | 44,300       | 28,700      | 28,700                | PROHIBITED  |
| 30                                                  | 79.7             | 52,200           | 50,000               | 33,700       | 22,300      | 22,300                |             |
| 35                                                  | 77.8             | 48,400           | 40,300               | 26,800       | 18,000      | 18,000                |             |
| 40                                                  | 75.8             | 40,000           | 33,500               | 22,100       | 14,800      | 14,800                |             |
| 50                                                  | 71.9             | 29,200           | 24,800               | 15,900       | 10,600      | 10,600                |             |
| 60                                                  | 67.8             | 22,700           | 19,100               | 12,000       | 7,900       | 7,900                 |             |
| 70                                                  | 63.6             | 18,200           | 15,300               | 9,300        | 6,000       | 6,000                 |             |
| 80                                                  | 59.2             | 15,000           | 12,600               | 7,400        | 4,700       | 4,700                 |             |
| 90                                                  | 54.7             | 12,600           | 10,500               | 5,900        | 3,600       | 3,600                 |             |
| 100                                                 | 49.9             | 10,700           | 8,800                | 4,800        | 2,700       | 2,700                 |             |
| 110                                                 | 44.8             | 9,100            | 7,500                | 3,800        | 2,000       | 2,000                 |             |
| 120                                                 | 38.9             | 7,900            | 6,400                | 3,100        | ---         | ---                   |             |
| 130                                                 | 32.4             | 6,800            | 5,500                | 2,400        | ---         | ---                   |             |
| 140                                                 | 24.3             | 5,900            | 4,700                | ---          | ---         | ---                   |             |
| 150                                                 | 12.0             | 5,100            | 4,000                | ---          | ---         | ---                   |             |

# STERLING CRANE



| MAIN BOOM CAPACITIES - 160 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|-----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                   | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                     |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                     |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 30                                                  | 80.4             | 47,900           | 47,900               | 33,500       | PROHIBITED  |                       |             |
| 35                                                  | 78.6             | 44,000           | 40,200               | 26,700       |             |                       |             |
| 40                                                  | 76.7             | 39,900           | 33,300               | 21,900       |             |                       |             |
| 50                                                  | 73.0             | 29,100           | 24,500               | 15,700       |             |                       |             |
| 60                                                  | 69.2             | 22,500           | 18,900               | 11,800       |             |                       |             |
| 70                                                  | 65.4             | 18,000           | 15,100               | 9,200        |             |                       |             |
| 80                                                  | 61.3             | 14,800           | 12,400               | 7,200        |             |                       |             |
| 90                                                  | 57.2             | 12,400           | 10,300               | 5,800        |             |                       |             |
| 100                                                 | 52.8             | 10,500           | 8,700                | 4,800        |             |                       |             |
| 110                                                 | 48.2             | 9,000            | 7,300                | 3,700        |             |                       |             |
| 120                                                 | 43.2             | 7,700            | 6,200                | 2,900        |             |                       |             |
| 130                                                 | 37.6             | 6,700            | 5,300                | 2,200        |             |                       |             |
| 140                                                 | 31.3             | 5,800            | 4,500                | ---          |             |                       |             |
| 150                                                 | 23.5             | 5,000            | 3,800                | ---          |             |                       |             |
| 160                                                 | 11.6             | 4,300            | 3,200                | ---          |             |                       |             |

| MAIN BOOM CAPACITIES - 190 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|-----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                   | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                     |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                     |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 30                                                  | 81.9             | 32,900           | 32,900               | PROHIBITED   |             |                       |             |
| 35                                                  | 80.4             | 32,500           | 32,500               |              |             |                       |             |
| 40                                                  | 78.9             | 30,700           | 30,700               |              |             |                       |             |
| 50                                                  | 75.8             | 25,700           | 24,000               |              |             |                       |             |
| 60                                                  | 72.8             | 19,900           | 18,400               |              |             |                       |             |
| 70                                                  | 69.4             | 16,200           | 14,600               |              |             |                       |             |
| 80                                                  | 66.2             | 13,300           | 11,900               |              |             |                       |             |
| 90                                                  | 62.8             | 11,000           | 9,800                |              |             |                       |             |
| 100                                                 | 59.4             | 9,100            | 8,100                |              |             |                       |             |
| 110                                                 | 55.8             | 7,500            | 6,800                |              |             |                       |             |
| 120                                                 | 52.1             | 6,100            | 5,700                |              |             |                       |             |
| 130                                                 | 48.2             | 5,000            | 4,800                |              |             |                       |             |
| 140                                                 | 44.0             | 4,000            | 4,000                |              |             |                       |             |
| 150                                                 | 39.4             | 3,100            | 3,100                |              |             |                       |             |
| 160                                                 | 34.4             | 2,100            | 2,100                |              |             |                       |             |

| MAIN BOOM CAPACITIES - 170 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|-----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                   | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                     |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                     |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 30                                                  | 81.0             | 42,400           | 42,400               | 33,400       | PROHIBITED  |                       |             |
| 35                                                  | 79.2             | 40,300           | 40,000               | 26,800       |             |                       |             |
| 40                                                  | 77.5             | 37,000           | 33,200               | 21,800       |             |                       |             |
| 50                                                  | 74.0             | 28,800           | 24,300               | 15,500       |             |                       |             |
| 60                                                  | 70.5             | 22,300           | 18,800               | 11,700       |             |                       |             |
| 70                                                  | 66.9             | 17,900           | 15,000               | 9,000        |             |                       |             |
| 80                                                  | 63.2             | 14,700           | 12,200               | 7,100        |             |                       |             |
| 90                                                  | 59.3             | 12,200           | 10,100               | 5,800        |             |                       |             |
| 100                                                 | 55.3             | 10,300           | 8,500                | 4,400        |             |                       |             |
| 110                                                 | 51.1             | 8,800            | 7,200                | 3,500        |             |                       |             |
| 120                                                 | 46.6             | 7,500            | 6,100                | 2,700        |             |                       |             |
| 130                                                 | 41.8             | 6,500            | 5,100                | 2,100        |             |                       |             |
| 140                                                 | 36.5             | 5,600            | 4,400                | ---          |             |                       |             |
| 150                                                 | 30.3             | 4,800            | 3,700                | ---          |             |                       |             |
| 160                                                 | 22.8             | 4,100            | 3,100                | ---          |             |                       |             |
| 170                                                 | 11.3             | 3,500            | 2,500                | ---          |             |                       |             |

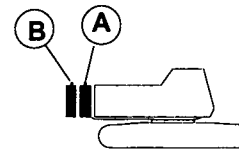
| MAIN BOOM CAPACITIES - 200 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|-----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                   | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                     |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                     |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 35                                                  | 80.9             | 28,600           | 28,600               | PROHIBITED   |             |                       |             |
| 40                                                  | 79.4             | 27,200           | 27,200               |              |             |                       |             |
| 50                                                  | 76.5             | 21,500           | 21,500               |              |             |                       |             |
| 60                                                  | 73.5             | 17,500           | 17,500               |              |             |                       |             |
| 70                                                  | 70.5             | 14,200           | 14,200               |              |             |                       |             |
| 80                                                  | 67.4             | 11,700           | 11,700               |              |             |                       |             |
| 90                                                  | 64.3             | 9,500            | 9,500                |              |             |                       |             |
| 100                                                 | 61.1             | 7,700            | 7,700                |              |             |                       |             |
| 110                                                 | 57.8             | 6,200            | 6,200                |              |             |                       |             |
| 120                                                 | 54.3             | 5,000            | 5,000                |              |             |                       |             |
| 130                                                 | 50.7             | 3,900            | 3,900                |              |             |                       |             |
| 140                                                 | 46.9             | 2,800            | 2,800                |              |             |                       |             |

| MAIN BOOM CAPACITIES - 180 FT OPEN THROAT TUBE BOOM |                  |                  |                      |              |             |                       |             |
|-----------------------------------------------------|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
| Load Radius (Ft.)                                   | Boom Angle (deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |
|                                                     |                  |                  | Side Frames Extended |              |             | Side Frames Retracted |             |
|                                                     |                  |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | 0 CTWT (lb) |
| 30                                                  | 81.5             | 37,500           | 37,500               | PROHIBITED   |             |                       |             |
| 35                                                  | 79.9             | 36,800           | 36,800               |              |             |                       |             |
| 40                                                  | 78.2             | 33,900           | 33,000               |              |             |                       |             |
| 50                                                  | 75.0             | 28,100           | 24,100               |              |             |                       |             |
| 60                                                  | 71.6             | 21,900           | 18,600               |              |             |                       |             |
| 70                                                  | 68.2             | 17,700           | 14,800               |              |             |                       |             |
| 80                                                  | 64.8             | 14,500           | 12,000               |              |             |                       |             |
| 90                                                  | 61.2             | 12,100           | 10,000               |              |             |                       |             |
| 100                                                 | 57.5             | 10,200           | 8,300                |              |             |                       |             |
| 110                                                 | 53.6             | 8,600            | 7,000                |              |             |                       |             |
| 120                                                 | 49.6             | 7,400            | 5,900                |              |             |                       |             |
| 130                                                 | 45.3             | 6,100            | 5,000                |              |             |                       |             |
| 140                                                 | 40.6             | 5,000            | 4,200                |              |             |                       |             |
| 150                                                 | 35.4             | 4,100            | 3,500                |              |             |                       |             |
| 160                                                 | 29.5             | 3,300            | 2,900                |              |             |                       |             |
| 170                                                 | 22.1             | 2,500            | 2,400                |              |             |                       |             |

# STERLING CRANE

## WIRE ROPE CAPACITY

| Parts of Line                                                   | 7/8"                                                                                                                  |           | 5/8"      |           | Notes                                                                                                       |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-------------------------------------------------------------------------------------------------------------|
|                                                                 | Type "DB"                                                                                                             | Type "RB" | Type "ZB" | Type "WB" |                                                                                                             |
| 1                                                               | 22,700                                                                                                                | 17,520 *  | 11,000 ** | 13,650 *  | Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in this |
| 2                                                               | 45,400                                                                                                                | 35,040    | 22,000    | 27,310    |                                                                                                             |
| 3                                                               | 68,100                                                                                                                | 52,560    | 33,000    | 40,970    |                                                                                                             |
| 4                                                               | 90,800                                                                                                                | 70,080    | 44,000    | 54,620    |                                                                                                             |
| 5                                                               | 113,500                                                                                                               | 87,600    | 55,000    | 68,280    | Crane Rating Manual. Study Operator's Manual for wire rope inspection procedures.                           |
| 6                                                               | 136,200                                                                                                               | 105,120   | 66,000    | 81,940    |                                                                                                             |
| 7                                                               | 158,900                                                                                                               | 122,640   | 77,000    | 95,600    |                                                                                                             |
| 8                                                               | 181,600                                                                                                               | 140,160   | 88,000    | 109,250   |                                                                                                             |
| LBCE Type                                                       | Description                                                                                                           |           |           |           |                                                                                                             |
| DB                                                              | 6 x 26 (6 x 19 Class) - Warrington Seale - Extra Improved Plow Steel - Preformed - Right Lay - Regular Lay - I.W.R.C. |           |           |           |                                                                                                             |
| RB                                                              | 19 x 19 Rotation Resistant - Extra Extra Improved Plow Steel - Preformed - Right Lay - Regular Lay. Swaged - SF = 5:1 |           |           |           |                                                                                                             |
| ZB                                                              | 36 x 7 Class - Non-Rotating - Extra Improved Plow Steel - Right Lay - Regular Lay - S.F. = 5:1                        |           |           |           |                                                                                                             |
| WB                                                              | 8 Strand - Regular Lay                                                                                                |           |           |           |                                                                                                             |
| * Use of swivel end with 1 part of line is not recommended.     |                                                                                                                       |           |           |           |                                                                                                             |
| ** Swivel end is recommended for operation with 1 part of line. |                                                                                                                       |           |           |           |                                                                                                             |



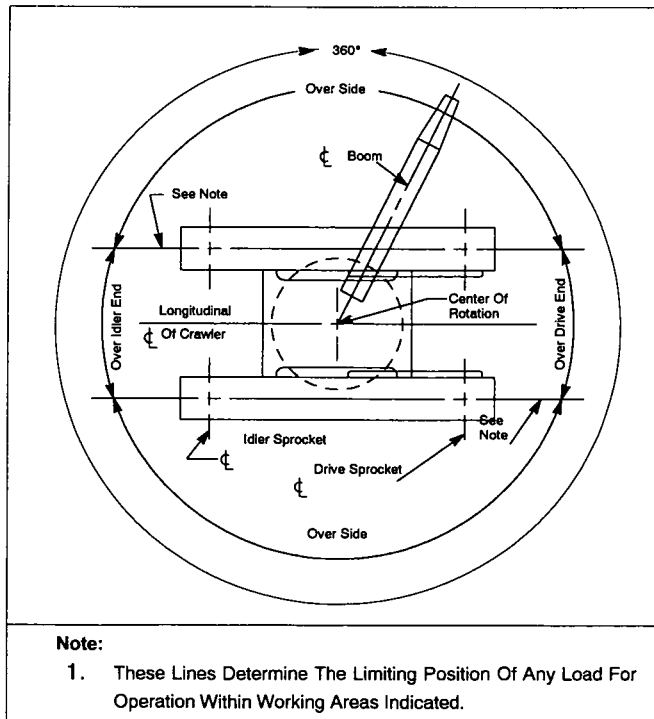
## LIFTOFF CAPABILITIES

| Counterweight (Side Frames) | Over End          |                                    |
|-----------------------------|-------------------|------------------------------------|
|                             | Maximum Boom Feet | Maximum Boom + Jib Feet            |
| NO (RETRACTED)              | 90                | N/A                                |
| NO (EXTENDED)               | 120               | N/A                                |
| A (RETRACTED)               | 140               | N/A                                |
| A (EXTENDED)                | 170               | N/A                                |
| AB (EXTENDED) See Note 6    | 200               | 180 + 60<br>190 + 30<br>See Note 6 |

| Counterweight (Side Frames) | Over Side         |                         |
|-----------------------------|-------------------|-------------------------|
|                             | Maximum Boom Feet | Maximum Boom + Jib Feet |
| NO (RETRACTED)              | 90                | N/A                     |
| NO (EXTENDED)               | 120               | N/A                     |
| A (RETRACTED)               | 140               | N/A                     |
| A (EXTENDED)                | 170               | N/A                     |
| AB (EXTENDED)               | 200               | 170 + 60                |

## WORKING AREAS



### NOTES:

- Booms should be erected or lowered over the end with no load if possible - hook block on ground. (See Note 6).
- Crane on firm and level surface.
- Open throat booms 190' and 200' in length require mid-point suspension pendants.
- Boom and jib combination of 190' + 30' does require mid-point suspension pendants.
- Boom and jib combination of 180' + 60' does not require mid-point suspension pendants.
- For Maximum Boom + Jib Combinations only - Adequate blocking must be placed under The side frame sprockets/idlers to prevent rocking. (Lift Off Over End only).

## CAPACITY DEDUCTIONS FOR LIFTING OFF MAIN BOOM HOOK WITH JIB INSTALLED (OPEN THROAT BOOM ONLY)

When using main boom hook, while jib is attached, reduce boom capacities by the values in the following chart:

| Jib Length (ft) | Capacity Deduction (lbs) |
|-----------------|--------------------------|
| 30              | 2,000                    |
| 45              | 2,400                    |
| 60              | 3,200                    |

# STERLING CRANE

## CAPACITY DEDUCTIONS FOR LIFTING OFF MAIN BOOM HOOK WITH 5 FOOT TIP EXTENSION INSTALLED

When using main boom hook, while 5 foot tip extension is attached, reduce boom capacities by the values in the following chart:

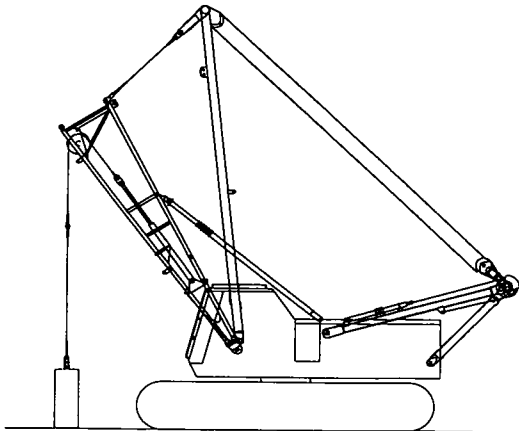
| Tip Extension (ft) | Capacity Deduction (lbs) |
|--------------------|--------------------------|
| 5                  | 1,100                    |

## 20' BASE SECTION CYLINDER LIFTING CAPACITIES (WITHOUT COUNTERWEIGHT INSTALLED)

| Base Section Cylinders |             | Side Frames Extended (lb) | Side Frames Retracted (lb) |
|------------------------|-------------|---------------------------|----------------------------|
| Radius (ft)            | Angle (deg) |                           |                            |
| 15                     | 55.0        | 26,500                    | 26,500                     |
| 16                     | 50.9        | 26,500                    | 26,500                     |
| 17                     | 46.4        | 26,500                    | 26,100                     |
| 18                     | 41.6        | 26,500                    | 23,900                     |
| 19                     | 36.0        | 26,500                    | 22,000                     |
| 20                     | 29.5        | 26,500                    | 20,300                     |
| 21                     | 20.6        | 26,500                    | 18,700                     |

### NOTES:

1. Rated capacities for 360° rotation.
2. Boom base section supported by make up pendants.
3. Lifting any load with one cylinder is prohibited. Rated capacities are for lifting loads with both cylinders.
4. Gantry can be either in the raised or lowered position when lifting loads with the cylinders in the base section. When the gantry is in the lowered position the backstay links must be pinned.
5. Do not raise boom higher than 55° angle.
6. Do not lower live mast below 3° angle with gantry in lowered position.

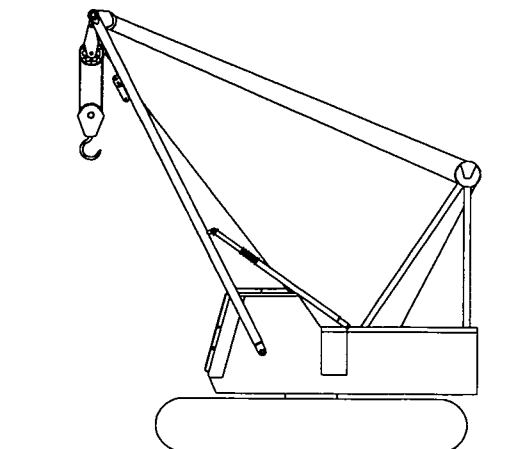


## LIVE MAST LIFTING CAPACITIES (WITHOUT COUNTERWEIGHT INSTALLED)

| Live Mast   |             | Side Frames Extended (lb) | Side Frames Retracted (lb) |
|-------------|-------------|---------------------------|----------------------------|
| Radius (ft) | Angle (deg) |                           |                            |
| 10          | 73.7        | 60,000                    | 60,000                     |
| 11          | 71.2        | 60,000                    | 51,600                     |
| 12          | 68.7        | 60,000                    | 44,600                     |
| 13          | 66.1        | 60,000                    | 39,200                     |
| 14          | 63.5        | 60,000                    | 34,900                     |
| 15          | 60.8        | 59,400                    | 31,500                     |
| 16          | 58.0        | 52,700                    | 28,600                     |
| 17          | 55.1        | 47,400                    | 26,200                     |
| 18          | 52.2        | 43,000                    | 24,200                     |
| 19          | 49.1        | 39,300                    | 22,500                     |
| 20          | 45.8        | 36,200                    | 20,900                     |
| 21          | 42.4        | 33,500                    | 19,600                     |
| 22          | 38.8        | 31,200                    | 18,400                     |
| 23          | 34.8        | 29,200                    | 17,300                     |
| 24          | 30.3        | 27,400                    | 16,400                     |

### NOTES:

1. Refer to the Operator's Manual.
2. Live mast backstops must be in position and operative.
3. Use rear hoist drum only. Reeve hoist line to drum over live mast cross member.
4. Reeve hoist rope with three (3) parts of 7/8" diameter wire rope.
5. The crane shall be leveled on a firm supporting surface.
6. Capacities are based on 75% stability.
7. See Crane Assembly Component Weights chart for weight of components for crane assembly.
8. Rated capacities for 360° rotation.
9. Gantry can be either in the raised or lowered position when lifting loads with the live mast. When the gantry is in the lowered position the backstay links must be pinned.
10. Do not lower live mast below 3° angle with gantry in lowered position.



# STERLING CRANE

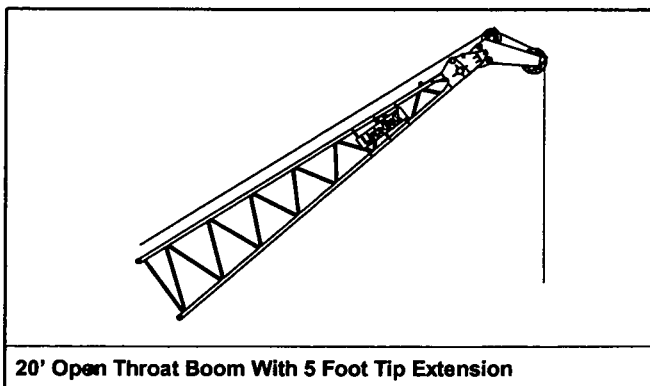
## MAXIMUM ALLOWABLE CAPACITIES FOR 5 FOOT TIP EXTENSION

LIFTING CAPACITY TO BE THE SMALLEST OF THE FOLLOWING VALUES:

1. 18,000 lb (Maximum).
2. The standard crane lift capacity minus 1,100 lb for the boom length, tip extension load radius, and counterweight configuration in use on the crane.

### NOTES:

1. All notes are to be adhered to as listed on the standard lift crane capacity charts.
2. Reduce the main boom lift capacities by 1,100 lb when the tip extension is installed.
3. The maximum boom length on which the tip extension can be installed is 150'.
4. Do not lift or suspend a load from the boom tip extension and main boom at the same time.



## DUTY CYCLE NOTES FOR TUBULAR BOOM

1. The capacities included in this chart are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions.
2. Capacities are based on 75% of minimum tipping loads for dragline; 67.5% for clamshell.
3. Capacities are maximum recommended by PCSA Standard #4. User must make allowances for soft or uneven supporting surfaces, rapid cycle operations, bucket suction or other unfavorable conditions which may require smaller buckets for most efficient operation.
4. Weight of bucket, plus load must not exceed these capacities.
5. Dragline operation is not recommended with boom angles less than 35°.
6. Boom length for dragline/clamshell attachment operation should not exceed 70'.
7. Retractable high gantry must be fixed in raised position for all capacities on this chart.
8. These capacities apply to the machine as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.

## DUTY CYCLE CAPACITIES TUBULAR BOOM

| Boom Length (ft) | Load Radius (ft) | Boom Angle (deg) | Side Frames Extended - "A" Counterweight Only<br>(All capacities listed are in pounds) |                  |
|------------------|------------------|------------------|----------------------------------------------------------------------------------------|------------------|
|                  |                  |                  | Dragline                                                                               | Clamshell/Magnet |
| 40               | 15               | 73.0             | ---                                                                                    | 15,800           |
| 40               | 20               | 65.3             | ---                                                                                    | 15,800           |
| 40               | 25               | 57.1             | 15,800                                                                                 | 15,800           |
| 40               | 30               | 48.1             | 15,800                                                                                 | 15,800           |
| 40               | 35               | 37.5             | 15,800                                                                                 | 15,800           |
| 40               | 40               | 23.4             | ---                                                                                    | 15,800           |
| 50               | 20               | 70.5             | ---                                                                                    | 15,800           |
| 50               | 25               | 64.3             | ---                                                                                    | 15,800           |
| 50               | 30               | 57.7             | 15,800                                                                                 | 15,800           |
| 50               | 35               | 50.6             | 15,800                                                                                 | 15,800           |
| 50               | 40               | 42.7             | 15,800                                                                                 | 15,800           |
| 50               | 50               | 20.9             | ---                                                                                    | 15,800           |
| 60               | 25               | 68.8             | ---                                                                                    | 15,800           |
| 60               | 30               | 63.6             | ---                                                                                    | 15,800           |
| 60               | 35               | 58.1             | 15,800                                                                                 | 15,800           |
| 60               | 40               | 52.3             | 15,800                                                                                 | 15,800           |
| 60               | 50               | 38.9             | 15,800                                                                                 | 15,800           |
| 60               | 60               | 19.0             | ---                                                                                    | 11,700           |
| 70               | 25               | 71.9             | ---                                                                                    | 15,800           |
| 70               | 30               | 67.6             | ---                                                                                    | 15,800           |
| 70               | 35               | 63.1             | ---                                                                                    | 15,800           |
| 70               | 40               | 58.4             | 15,800                                                                                 | 15,800           |
| 70               | 50               | 48.1             | 15,800                                                                                 | 15,800           |
| 70               | 60               | 35.9             | 13,000                                                                                 | 11,700           |
| 70               | 70               | 17.6             | ---                                                                                    | 9,300            |

# STERLING CRANE



## WARNING

**READ AND UNDERSTAND THE OPERATOR'S AND SAFETY MANUALS AND THE FOLLOWING INSTRUCTIONS AND CHART VALUES BEFORE OPERATING THE CRANE. OPERATION WHICH DOES NOT FOLLOW THESE INSTRUCTIONS MAY RESULT IN AN ACCIDENT.**

## OPERATING INSTRUCTIONS

### GENERAL:

1. Rated lifting capacities in pounds as shown on lift charts pertain to this crane as originally manufactured and normally equipped. Modifications to the crane or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this crane must be in compliance with the information in the Operator's, Parts, and Safety Manuals supplied with this crane. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with this crane shall read and fully understand the latest applicable American National Standards Institute (ANSI) safety standards for cranes.
4. All capacities listed in this book are in compliance with ASME/ANSI B30.5c-1998, SAE J987-April 1994, and SAE J765-October 1990.
5. For recommended reeving, parts of line, wire rope type, and wire rope inspection, see Wire Rope Capacity chart, Operator's Manual, and Parts Manual.
6. Load ratings in this Crane Rating Manual are based on freely suspended loads and make no allowances for such factors as the effect of the wind, ground conditions, and operating speeds. The operator shall therefore reduce load ratings in order to take these conditions into account.
7. Rated lifting capacities do not account for the effects of wind on a suspended load or boom. Lifting capacities should be considered acceptable for wind speeds less than 20 mph and appropriately reduced for wind speeds greater than 20 mph. Extreme caution should be used when lifting heavy loads or loads with large wind sail area under high wind conditions (over 20 mph).
8. The 24ft. live mast must be used for all capacities in this Crane Rating Manual.
9. The least stable rated condition is over the side.
10. Booms must be erected and lowered over the end.
11. Do not operate at radii and boom lengths where the Crane Rating Manual lists no capacity. Do not use longer booms or jibs than those listed in this Crane Rating Manual. Any of the above can cause a tipping condition, or boom and jib failure.
12. These capacities apply only to the crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.

### LIFT CRANE OPERATION:

1. Capacities shown are in pounds and are not more than 75% of the tipping loads with the crane standing level on firm supporting surface. A deduction must be made from these capacities for weight of hook block, hook ball, sling, grapple, load weighing device, etc. When using main hook while jib is attached, reduce capacities by values shown on Capacity Deductions For Lifting Off Main Boom Hook With Jib Installed. When using main hook while 5ft. tip extension is attached, reduce capacities by values shown on Capacity Deductions For Lifting Off Main Boom Hook With 5ft. Tip Extension Installed. See Operator's Manual for all limitations when raising or lowering attachment.
2. The crane capacities in the shaded areas are based on structural strength. The crane capacities in the non-shaded areas are based on stability ratings.

### FOR OVER END CAPACITIES ONLY

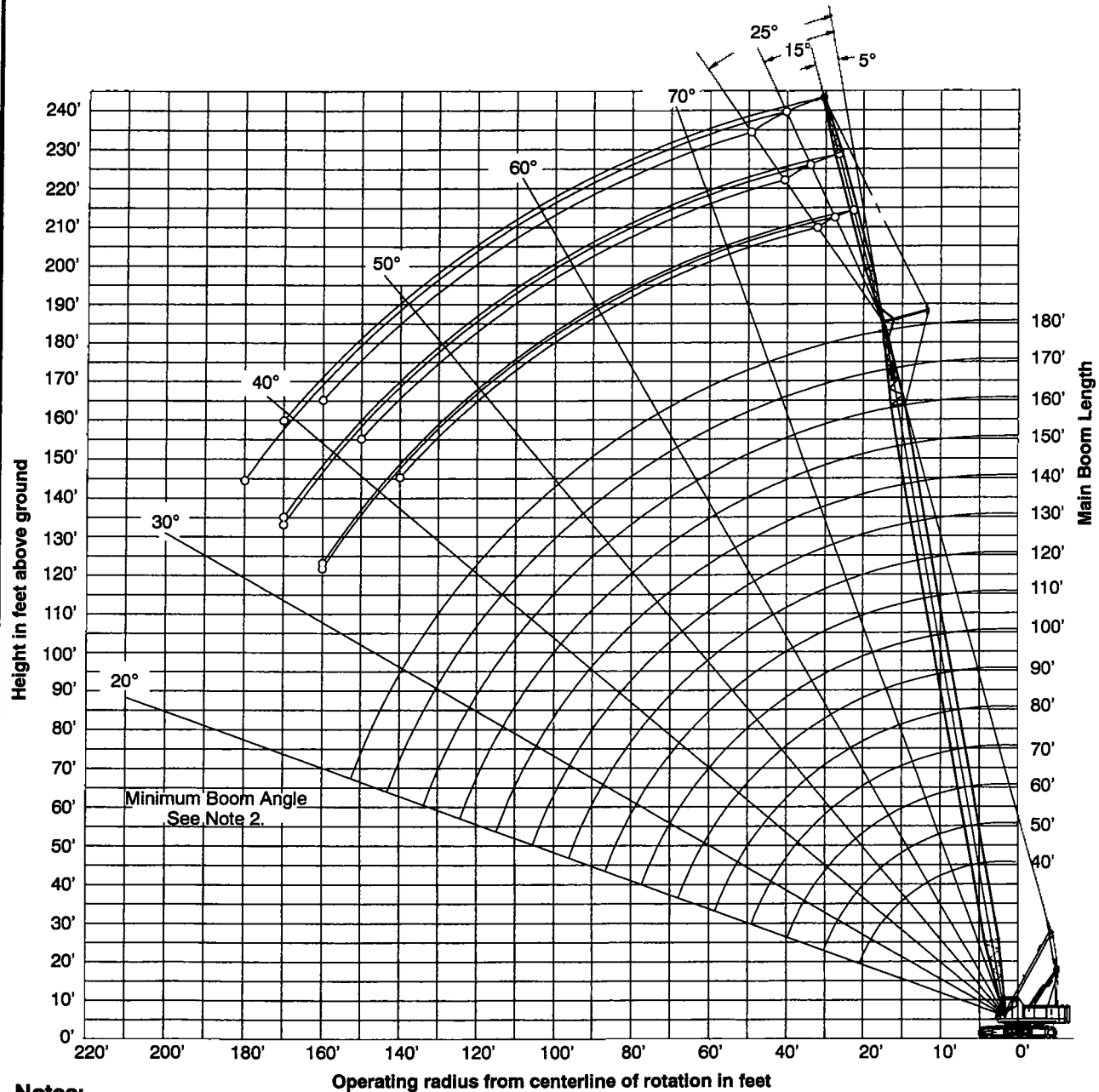
1. These capacities can be lifted over either end with the crane standing level on a firm supporting surface with adequate blocking placed under the tread member sprockets/idlers, to prevent rocking.
2. Do not travel with a load.

# STERLING CRANE

## WORKING RANGE DIAGRAM

40' TO 180' MAIN BOOM WITH 30' TO 60' JIB

Maximum Boom Angle  
See Note 2.



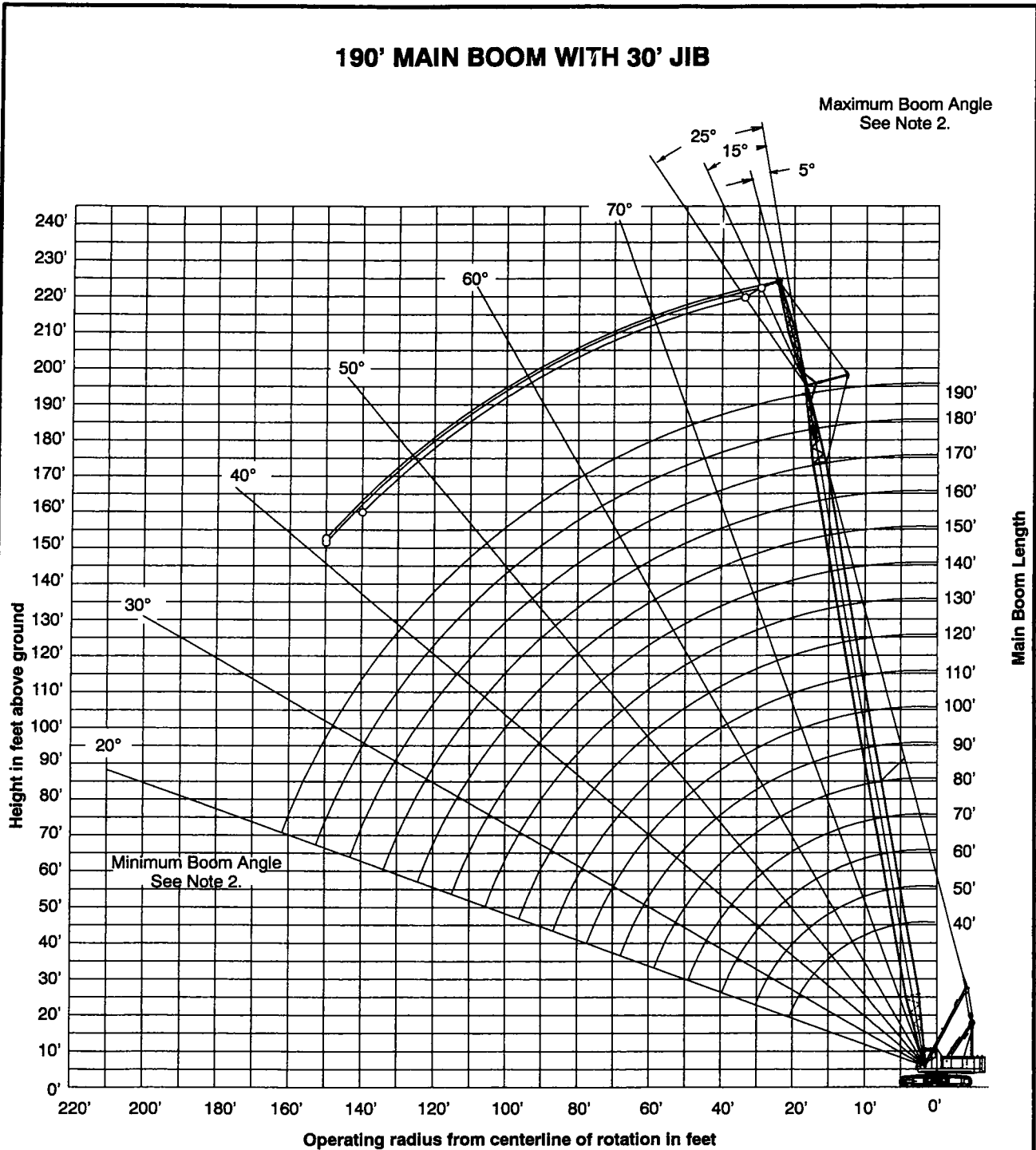
### Notes:

1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for each boom length.

Working Range Diagram

# STERLING CRANE

## WORKING RANGE DIAGRAM



### Notes:

1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for each boom length.

### Working Range Diagram

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length<br>(ft) | Jib Length<br>(ft) | Jib Load Radius<br>(ft) | Jib Angle to Boom   |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            | Jib Load Radius<br>(ft) |       |
|---------------------|--------------------|-------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|-------------------------|-------|
|                     |                    |                         | 5 Degrees           |                        |                               |                            | 15 Degrees          |                        |                               |                            | 25 Degrees          |                        |                               |                            |                         |       |
|                     |                    |                         | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) |                         |       |
| 40                  | 30                 | 18.38                   | 80.0                | 76.4                   | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            |                         | 18.38 |
| 40                  | 30                 | 19                      | 79.5                | 76.3                   | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            |                         | 19    |
| 40                  | 30                 | 20                      | 78.7                | 76.0                   | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            |                         | 20    |
| 40                  | 30                 | 25                      | 74.6                | 74.7                   | 24,000 *                      | 24,000 *                   | 78.6                | 74.2                   | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                         | 25    |
| 40                  | 30                 | 30                      | 70.4                | 72.9                   | 24,000 *                      | 24,000 *                   | 74.3                | 72.4                   | 24,000 *                      | 24,000 *                   | 78.1                | 71.2                   | 19,800 *                      | 19,800 *                   |                         | 30    |
| 40                  | 30                 | 35                      | 66.0                | 70.7                   | 24,000 *                      | 24,000 *                   | 69.9                | 70.2                   | 23,800 *                      | 23,800 *                   | 73.6                | 68.9                   | 17,800 *                      | 17,800 *                   |                         | 35    |
| 40                  | 30                 | 40                      | 61.5                | 68.0                   | 24,000 *                      | 24,000 *                   | 65.4                | 67.5                   | 21,200 *                      | 21,200 *                   | 69.0                | 66.2                   | 17,000 *                      | 17,000 *                   |                         | 40    |
| 40                  | 30                 | 50                      | 51.7                | 60.8                   | 21,100 *                      | 21,100 *                   | 55.5                | 60.4                   | 17,400 *                      | 17,400 *                   | 58.9                | 58.8                   | 14,800 *                      | 14,800 *                   |                         | 50    |
| 40                  | 30                 | 60                      | 40.3                | 50.5                   | 17,400 *                      | 17,400 *                   | 43.9                | 49.9                   | 16,300 *                      | 16,300 *                   | 46.9                | 47.9                   | 13,300 *                      | 13,300 *                   |                         | 60    |
|                     |                    |                         |                     |                        |                               | 1                          |                     |                        |                               |                            |                     |                        |                               |                            |                         |       |
| 40                  | 45                 | 22.27                   | 80.0                | 90.6                   | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            |                         | 22.27 |
| 40                  | 45                 | 25                      | 78.2                | 89.9                   | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            |                         | 25    |
| 40                  | 45                 | 30                      | 74.7                | 88.4                   | 24,000 *                      | 24,000 *                   | 79.7                | 87.8                   | 19,200 *                      | 19,200 *                   |                     |                        |                               |                            |                         | 30    |
| 40                  | 45                 | 35                      | 71.2                | 86.6                   | 21,800 *                      | 21,800 *                   | 76.2                | 86.0                   | 17,300 *                      | 17,300 *                   |                     |                        |                               |                            |                         | 35    |
| 40                  | 45                 | 40                      | 67.7                | 84.4                   | 19,100 *                      | 19,100 *                   | 72.6                | 83.8                   | 16,700 *                      | 16,700 *                   | 77.4                | 82.1                   | 12,600 *                      | 12,600 *                   |                         | 40    |
| 40                  | 45                 | 50                      | 60.2                | 78.8                   | 16,700 *                      | 16,700 *                   | 65.1                | 78.3                   | 13,600 *                      | 13,600 *                   | 69.6                | 76.4                   | 10,600 *                      | 10,600 *                   |                         | 50    |
| 40                  | 45                 | 60                      | 52.0                | 71.3                   | 13,700 *                      | 13,700 *                   | 56.8                | 70.7                   | 11,500 *                      | 11,500 *                   | 61.2                | 68.7                   | 9,200 *                       | 9,200 *                    |                         | 60    |
| 40                  | 45                 | 70                      | 42.6                | 61.1                   | 11,700 *                      | 11,700 *                   | 47.3                | 60.4                   | 10,000 *                      | 10,000 *                   | 51.3                | 58.0                   | 8,200 *                       | 8,200 *                    |                         | 70    |
| 40                  | 45                 | 80                      | 30.9                | 46.3                   | 10,200 *                      | 10,200 *                   |                     |                        |                               |                            |                     |                        |                               |                            |                         | 80    |
|                     |                    |                         |                     |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            |                         |       |
| 40                  | 60                 | 26.15                   | 80.0                | 105.2                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            |                         | 26.15 |
| 40                  | 60                 | 30                      | 77.8                | 104.2                  | 21,200 *                      | 21,200 *                   |                     |                        |                               |                            |                     |                        |                               |                            |                         | 30    |
| 40                  | 60                 | 35                      | 74.8                | 102.7                  | 18,300 *                      | 18,300 *                   |                     |                        |                               |                            |                     |                        |                               |                            |                         | 35    |
| 40                  | 60                 | 40                      | 71.9                | 100.9                  | 17,300 *                      | 17,300 *                   | 77.6                | 100.3                  | 13,800 *                      | 13,800 *                   |                     |                        |                               |                            |                         | 40    |
| 40                  | 60                 | 50                      | 65.7                | 96.3                   | 13,800 *                      | 13,800 *                   | 71.4                | 95.7                   | 11,200 *                      | 11,200 *                   | 76.8                | 93.8                   | 8,600 *                       | 8,600 *                    |                         | 50    |
| 40                  | 60                 | 60                      | 59.2                | 90.4                   | 11,300 *                      | 11,300 *                   | 64.8                | 89.8                   | 9,400 *                       | 9,400 *                    | 70.1                | 87.7                   | 7,400 *                       | 7,400 *                    |                         | 60    |
| 40                  | 60                 | 70                      | 52.2                | 82.7                   | 9,600 *                       | 9,600 *                    | 57.7                | 82.1                   | 8,100 *                       | 8,100 *                    | 62.8                | 79.7                   | 6,500 *                       | 6,500 *                    |                         | 70    |
| 40                  | 60                 | 80                      | 44.3                | 72.7                   | 8,300 *                       | 8,300 *                    | 49.6                | 72.0                   | 7,100 *                       | 7,100 *                    | 54.5                | 69.3                   | 5,800 *                       | 5,800 *                    |                         | 80    |
| 40                  | 60                 | 90                      | 34.8                | 59.2                   | 7,300 *                       | 7,300 *                    | 40.0                | 58.2                   | 6,400 *                       | 6,400 *                    |                     |                        |                               |                            |                         | 90    |
|                     |                    |                         |                     |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            |                         |       |
| 50                  | 30                 | 20.12                   | 80.0                | 86.3                   | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            |                         | 20.12 |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length<br>(ft) | Jib Length<br>(ft) | Jib Load Radius<br>(ft) | Jib Angle to Boom   |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            | Jib Load Radius<br>(ft) |
|---------------------|--------------------|-------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|-------------------------|
|                     |                    |                         | 5 Degrees           |                        |                               |                            | 15 Degrees          |                        |                               |                            | 25 Degrees          |                        |                               |                            |                         |
|                     |                    |                         | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) |                         |
| 50                  | 30                 | 25                      | 76.5                | 85.1                   | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 25                      |
| 50                  | 30                 | 30                      | 72.9                | 83.6                   | 24,000 *                      | 24,000 *                   | 76.3                | 83.1                   | 24,000 *                      | 24,000 *                   | 79.7                | 81.7                   | 20,600 *                      | 20,600 *                   | 30                      |
| 50                  | 30                 | 35                      | 69.1                | 81.6                   | 24,000 *                      | 24,000 *                   | 72.6                | 81.2                   | 24,000 *                      | 24,000 *                   | 75.8                | 79.8                   | 18,700 *                      | 18,700 *                   | 35                      |
| 50                  | 30                 | 40                      | 65.3                | 79.3                   | 24,000 *                      | 24,000 *                   | 68.7                | 78.9                   | 23,000 *                      | 23,000 *                   | 71.9                | 77.4                   | 17,400 *                      | 17,400 *                   | 40                      |
| 50                  | 30                 | 50                      | 57.2                | 73.4                   | 23,800 *                      | 23,700 *                   | 60.5                | 72.9                   | 19,000 *                      | 19,000 *                   | 63.6                | 71.4                   | 15,700 *                      | 15,700 *                   | 50                      |
| 50                  | 30                 | 60                      | 48.2                | 65.3                   | 19,700 *                      | 19,700 *                   | 51.4                | 64.7                   | 17,400 *                      | 17,400 *                   | 54.2                | 62.9                   | 14,100 *                      | 14,100 *                   | 60                      |
| 50                  | 30                 | 70                      | 37.5                | 53.8                   | 17,400 *                      | 16,600 *                   | 40.6                | 53.1                   | 15,800 *                      | 15,700 *                   |                     |                        |                               |                            | 70                      |
| 50                  | 45                 | 24                      | 80.0                | 100.5                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 24                      |
| 50                  | 45                 | 25                      | 79.4                | 100.2                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 25                      |
| 50                  | 45                 | 30                      | 76.4                | 98.9                   | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 30                      |
| 50                  | 45                 | 35                      | 73.3                | 97.3                   | 23,600 *                      | 23,600 *                   | 77.7                | 96.6                   | 17,800 *                      | 17,800 *                   |                     |                        |                               |                            | 35                      |
| 50                  | 45                 | 40                      | 70.1                | 95.3                   | 20,800 *                      | 20,800 *                   | 74.6                | 94.7                   | 17,300 *                      | 17,300 *                   | 78.8                | 92.9                   | 13,000 *                      | 13,000 *                   | 40                      |
| 50                  | 45                 | 50                      | 63.6                | 90.5                   | 17,300 *                      | 17,300 *                   | 68.0                | 89.8                   | 14,600 *                      | 14,600 *                   | 72.1                | 87.9                   | 11,100 *                      | 11,100 *                   | 50                      |
| 50                  | 45                 | 60                      | 56.6                | 84.1                   | 15,200 *                      | 15,200 *                   | 60.9                | 83.4                   | 12,400 *                      | 12,400 *                   | 64.9                | 81.3                   | 9,700 *                       | 9,700 *                    | 60                      |
| 50                  | 45                 | 70                      | 48.9                | 75.7                   | 12,900 *                      | 13,000 *                   | 53.2                | 75.0                   | 10,800 *                      | 10,800 *                   | 56.9                | 72.6                   | 8,700 *                       | 8,700 *                    | 70                      |
| 50                  | 45                 | 80                      | 40.2                | 64.6                   | 11,300 *                      | 11,300 *                   | 44.2                | 63.7                   | 9,700 *                       | 9,700 *                    | 47.7                | 61.0                   | 8,000 *                       | 8,000 *                    | 80                      |
| 50                  | 45                 | 90                      | 29.1                | 48.7                   | 10,000 *                      | 10,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 90                      |
| 50                  | 60                 | 27.89                   | 80.0                | 115.0                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 27.89                   |
| 50                  | 60                 | 30                      | 78.9                | 114.5                  | 22,600 *                      | 22,600 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 30                      |
| 50                  | 60                 | 35                      | 76.2                | 113.1                  | 19,500 *                      | 19,500 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 35                      |
| 50                  | 60                 | 40                      | 73.6                | 111.5                  | 17,200 *                      | 17,200 *                   | 78.8                | 110.8                  | 14,400 *                      | 14,400 *                   |                     |                        |                               |                            | 40                      |
| 50                  | 60                 | 50                      | 68.1                | 107.4                  | 15,000 *                      | 15,000 *                   | 73.2                | 106.8                  | 11,800 *                      | 11,800 *                   | 78.1                | 104.6                  | 8,900 *                       | 8,900 *                    | 50                      |
| 50                  | 60                 | 60                      | 62.3                | 102.2                  | 12,400 *                      | 12,400 *                   | 67.4                | 101.5                  | 10,000 *                      | 10,000 *                   | 72.2                | 99.2                   | 7,700 *                       | 7,700 *                    | 60                      |
| 50                  | 60                 | 70                      | 56.2                | 95.5                   | 10,500 *                      | 10,500 *                   | 61.2                | 94.8                   | 8,600 *                       | 8,600 *                    | 65.9                | 92.3                   | 6,800 *                       | 6,800 *                    | 70                      |
| 50                  | 60                 | 80                      | 49.5                | 87.1                   | 9,100 *                       | 9,100 *                    | 54.4                | 86.3                   | 7,600 *                       | 7,600 *                    | 59.0                | 83.6                   | 6,100 *                       | 6,100 *                    | 80                      |
| 50                  | 60                 | 90                      | 42.0                | 76.3                   | 8,000 *                       | 8,000 *                    | 46.8                | 75.5                   | 6,800 *                       | 6,800 *                    | 51.1                | 72.3                   | 5,600 *                       | 5,600 *                    | 90                      |
| 50                  | 60                 | 100                     | 33.1                | 61.9                   | 7,200 *                       | 7,200 *                    | 37.7                | 60.8                   | 6,200 *                       | 6,200 *                    |                     |                        |                               |                            | 100                     |
| 60                  | 30                 | 21.86                   | 80.0                | 96.1                   | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 21.86                   |
| 60                  | 30                 | 25                      | 78.0                | 95.4                   | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 25                      |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttw

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom |                     |                            |                         |                  |                     |                            |                         |                  |                     |                            |                         | Jib Load Radius (ft) |
|------------------|-----------------|----------------------|-------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|----------------------|
|                  |                 |                      | 5 Degrees         |                     |                            |                         | 15 Degrees       |                     |                            |                         | 25 Degrees       |                     |                            |                         |                      |
|                  |                 |                      | Boom Angle (deg)  | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) |                      |
| 60               | 30              | 30                   | 74.8              | 94.0                | 24,000 *                   | 24,000 *                | 77.9             | 93.5                | 24,000 *                   | 24,000 *                |                  |                     |                            |                         | 30                   |
| 60               | 30              | 35                   | 71.5              | 92.4                | 24,000 *                   | 24,000 *                | 74.6             | 91.9                | 24,000 *                   | 24,000 *                | 77.5             | 90.4                | 19,500 *                   | 19,500 *                | 35                   |
| 60               | 30              | 40                   | 68.2              | 90.4                | 24,000 *                   | 24,000 *                | 71.2             | 89.9                | 24,000 *                   | 24,000 *                | 74.1             | 88.4                | 18,000 *                   | 18,000 *                | 40                   |
| 60               | 30              | 50                   | 61.2              | 85.3                | 24,000 *                   | 24,000 *                | 64.2             | 84.8                | 20,500 *                   | 20,500 *                | 66.9             | 83.2                | 16,400 *                   | 16,400 *                | 50                   |
| 60               | 30              | 60                   | 53.6              | 78.5                | 21,900 *                   | 20,100 *                | 56.6             | 77.9                | 17,700 *                   | 17,700 *                | 59.2             | 76.2                | 14,800 *                   | 14,800 *                | 60                   |
| 60               | 30              | 70                   | 45.3              | 69.4                | 18,700 *                   | 16,400 *                | 48.1             | 68.8                | 17,200 *                   | 16,600 *                | 50.5             | 66.8                | 13,600 *                   | 13,600 *                | 70                   |
| 60               | 30              | 80                   | 35.3              | 56.9                | 16,100 *                   | 13,700 *                | 37.9             | 56.1                | 15,400 *                   | 13,800 *                |                  |                     |                            |                         | 80                   |
| 60               | 45              | 25.74                | 80.0              | 110.3               | 24,000 *                   | 24,000 *                |                  |                     |                            |                         |                  |                     |                            |                         | 25.74                |
| 60               | 45              | 30                   | 77.7              | 109.3               | 24,000 *                   | 24,000 *                |                  |                     |                            |                         |                  |                     |                            |                         | 30                   |
| 60               | 45              | 35                   | 74.9              | 107.8               | 24,000 *                   | 24,000 *                | 78.9             | 107.1               | 18,600 *                   | 18,600 *                |                  |                     |                            |                         | 35                   |
| 60               | 45              | 40                   | 72.1              | 106.1               | 22,500 *                   | 22,500 *                | 76.1             | 105.4               | 17,300 *                   | 17,300 *                | 79.9             | 103.4               | 13,400 *                   | 13,400 *                | 40                   |
| 60               | 45              | 50                   | 66.2              | 101.8               | 18,100 *                   | 18,100 *                | 70.2             | 101.0               | 15,500 *                   | 15,500 *                | 74.0             | 99.0                | 11,600 *                   | 11,600 *                | 50                   |
| 60               | 45              | 60                   | 60.1              | 96.1                | 16,700 *                   | 16,700 *                | 64.1             | 95.4                | 13,300 *                   | 13,300 *                | 67.7             | 93.3                | 10,200 *                   | 10,200 *                | 60                   |
| 60               | 45              | 70                   | 53.6              | 89.0                | 14,200 *                   | 14,200 *                | 57.4             | 88.2                | 11,600 *                   | 11,600 *                | 60.9             | 85.9                | 9,200 *                    | 9,200 *                 | 70                   |
| 60               | 45              | 80                   | 46.4              | 79.9                | 12,400 *                   | 12,400 *                | 50.1             | 79.0                | 10,400 *                   | 10,400 *                | 53.4             | 76.4                | 8,400 *                    | 8,400 *                 | 80                   |
| 60               | 45              | 90                   | 38.1              | 67.9                | 11,000 *                   | 11,000 *                | 41.7             | 66.9                | 9,400 *                    | 9,400 *                 |                  |                     |                            |                         | 90                   |
| 60               | 45              | 100                  | 27.6              | 51.0                | 9,900 *                    | 9,900 *                 |                  |                     |                            |                         |                  |                     |                            |                         | 100                  |
| 60               | 60              | 29.62                | 80.0              | 124.9               | 24,000 *                   | 24,000 *                |                  |                     |                            |                         |                  |                     |                            |                         | 29.62                |
| 60               | 60              | 30                   | 79.8              | 124.8               | 23,900 *                   | 23,900 *                |                  |                     |                            |                         |                  |                     |                            |                         | 30                   |
| 60               | 60              | 35                   | 77.4              | 123.5               | 20,800 *                   | 20,800 *                |                  |                     |                            |                         |                  |                     |                            |                         | 35                   |
| 60               | 60              | 40                   | 75.0              | 122.0               | 18,300 *                   | 18,300 *                | 79.7             | 121.3               | 15,000 *                   | 15,000 *                |                  |                     |                            |                         | 40                   |
| 60               | 60              | 50                   | 70.0              | 118.3               | 16,200 *                   | 16,200 *                | 74.7             | 117.6               | 12,400 *                   | 12,400 *                | 79.2             | 115.3               | 9,100 *                    | 9,100 *                 | 50                   |
| 60               | 60              | 60                   | 64.8              | 113.6               | 13,400 *                   | 13,400 *                | 69.5             | 112.9               | 10,500 *                   | 10,600 *                | 73.9             | 110.5               | 8,000 *                    | 8,000 *                 | 60                   |
| 60               | 60              | 70                   | 59.3              | 107.7               | 11,300 *                   | 11,300 *                | 64.0             | 106.9               | 9,200 *                    | 9,200 *                 | 68.3             | 104.4               | 7,100 *                    | 7,100 *                 | 70                   |
| 60               | 60              | 80                   | 53.5              | 100.4               | 9,800 *                    | 9,800 *                 | 58.1             | 99.5                | 8,100 *                    | 8,100 *                 | 62.3             | 96.8                | 6,400 *                    | 6,400 *                 | 80                   |
| 60               | 60              | 90                   | 47.2              | 91.3                | 8,700 *                    | 8,700 *                 | 51.7             | 90.4                | 7,300 *                    | 7,300 *                 | 55.7             | 87.3                | 5,800 *                    | 5,800 *                 | 90                   |
| 60               | 60              | 100                  | 40.1              | 79.8                | 7,800 *                    | 7,800 *                 | 44.4             | 78.7                | 6,600 *                    | 6,600 *                 | 48.1             | 75.2                | 5,400 *                    | 5,400 *                 | 100                  |
| 60               | 60              | 110                  | 31.6              | 64.6                | 7,000 *                    | 7,000 *                 | 35.7             | 63.1                | 6,100 *                    | 6,100 *                 |                  |                     |                            |                         | 110                  |
| 70               | 30              | 23.59                | 80.0              | 105.9               | 24,000 *                   | 24,000 *                |                  |                     |                            |                         |                  |                     |                            |                         | 23.59                |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length<br>(ft) | Jib Length<br>(ft) | Jib Load Radius<br>(ft) | Jib Angle to Boom   |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            | Jib Load Radius<br>(ft) |
|---------------------|--------------------|-------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|-------------------------|
|                     |                    |                         | 5 Degrees           |                        |                               |                            | 15 Degrees          |                        |                               |                            | 25 Degrees          |                        |                               |                            |                         |
|                     |                    |                         | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) |                         |
| 70                  | 30                 | 25                      | 79.2                | 105.7                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 25                      |
| 70                  | 30                 | 30                      | 76.3                | 104.4                  | 24,000 *                      | 24,000 *                   | 79.1                | 103.9                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            | 30                      |
| 70                  | 30                 | 35                      | 73.4                | 102.9                  | 24,000 *                      | 24,000 *                   | 76.2                | 102.4                  | 24,000 *                      | 24,000 *                   | 78.8                | 101.0                  | 20,100 *                      | 20,100 *                   | 35                      |
| 70                  | 30                 | 40                      | 70.4                | 101.2                  | 24,000 *                      | 24,000 *                   | 73.2                | 100.6                  | 24,000 *                      | 24,000 *                   | 75.8                | 99.1                   | 18,600 *                      | 18,600 *                   | 40                      |
| 70                  | 30                 | 50                      | 64.3                | 96.7                   | 24,000 *                      | 24,000 *                   | 67.0                | 96.1                   | 21,900 *                      | 21,900 *                   | 69.5                | 94.6                   | 17,100 *                      | 17,100 *                   | 50                      |
| 70                  | 30                 | 60                      | 57.7                | 90.8                   | 23,500                        | 19,900                     | 60.4                | 90.2                   | 18,900 *                      | 18,900 *                   | 62.8                | 88.5                   | 15,500 *                      | 15,500 *                   | 60                      |
| 70                  | 30                 | 70                      | 50.7                | 83.2                   | 19,000                        | 16,200                     | 53.3                | 82.6                   | 17,300 *                      | 16,400                     | 55.5                | 80.7                   | 14,200 *                      | 14,200 *                   | 70                      |
| 70                  | 30                 | 80                      | 42.8                | 73.3                   | 15,900                        | 13,500                     | 45.3                | 72.6                   | 16,000                        | 13,600                     | 47.3                | 70.4                   | 13,300 *                      | 13,300 *                   | 80                      |
| 70                  | 30                 | 90                      | 33.4                | 59.8                   | 13,500                        | 11,400                     | 35.7                | 58.9                   | 13,600                        | 11,500                     |                     |                        |                               |                            | 90                      |
| 70                  | 45                 | 27.48                   | 80.0                | 120.2                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 27.48                   |
| 70                  | 45                 | 30                      | 78.7                | 119.6                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 30                      |
| 70                  | 45                 | 35                      | 76.2                | 118.3                  | 24,000 *                      | 24,000 *                   | 79.9                | 117.5                  | 19,300 *                      | 19,300 *                   |                     |                        |                               |                            | 35                      |
| 70                  | 45                 | 40                      | 73.7                | 116.7                  | 24,000 *                      | 24,000 *                   | 77.3                | 115.9                  | 17,500 *                      | 17,500 *                   |                     |                        |                               |                            | 40                      |
| 70                  | 45                 | 50                      | 68.4                | 112.8                  | 19,500 *                      | 19,500 *                   | 72.1                | 112.0                  | 16,400 *                      | 16,400 *                   | 75.5                | 109.9                  | 12,000 *                      | 12,000 *                   | 50                      |
| 70                  | 45                 | 60                      | 63.0                | 107.8                  | 17,300 *                      | 17,300 *                   | 66.6                | 107.0                  | 14,100 *                      | 14,100 *                   | 69.9                | 104.8                  | 10,600 *                      | 10,600 *                   | 60                      |
| 70                  | 45                 | 70                      | 57.2                | 101.5                  | 15,400 *                      | 15,400 *                   | 60.7                | 100.7                  | 12,300 *                      | 12,400 *                   | 64.0                | 98.3                   | 9,600 *                       | 9,600 *                    | 70                      |
| 70                  | 45                 | 80                      | 51.0                | 93.6                   | 13,500 *                      | 13,400 *                   | 54.5                | 92.8                   | 11,000 *                      | 11,000 *                   | 57.5                | 90.2                   | 8,800 *                       | 8,800 *                    | 80                      |
| 70                  | 45                 | 90                      | 44.2                | 83.8                   | 11,900 *                      | 11,600 *                   | 47.5                | 82.8                   | 10,000 *                      | 10,000 *                   | 50.4                | 80.0                   | 8,100 *                       | 8,100 *                    | 90                      |
| 70                  | 45                 | 100                     | 36.3                | 71.0                   | 10,800 *                      | 10,000 *                   | 39.5                | 69.9                   | 9,200 *                       | 9,200 *                    |                     |                        |                               |                            | 100                     |
| 70                  | 60                 | 31.36                   | 80.0                | 134.7                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 31.36                   |
| 70                  | 60                 | 35                      | 78.4                | 133.9                  | 21,900 *                      | 21,900 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 35                      |
| 70                  | 60                 | 40                      | 76.1                | 132.5                  | 19,400 *                      | 19,400 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 40                      |
| 70                  | 60                 | 50                      | 71.6                | 129.1                  | 17,300 *                      | 17,300 *                   | 75.9                | 128.3                  | 12,900 *                      | 12,900 *                   |                     |                        |                               |                            | 50                      |
| 70                  | 60                 | 60                      | 66.8                | 124.8                  | 14,300 *                      | 14,300 *                   | 71.2                | 124.0                  | 11,100 *                      | 11,100 *                   | 75.3                | 121.5                  | 8,200 *                       | 8,200 *                    | 60                      |
| 70                  | 60                 | 70                      | 61.9                | 119.5                  | 12,200 *                      | 12,200 *                   | 66.2                | 118.6                  | 9,700 *                       | 9,700 *                    | 70.2                | 116.0                  | 7,300 *                       | 7,300 *                    | 70                      |
| 70                  | 60                 | 80                      | 56.8                | 112.9                  | 10,600 *                      | 10,600 *                   | 61.0                | 112.1                  | 8,600 *                       | 8,600 *                    | 64.9                | 109.3                  | 6,600 *                       | 6,600 *                    | 80                      |
| 70                  | 60                 | 90                      | 51.2                | 105.0                  | 9,400 *                       | 9,400 *                    | 55.4                | 104.1                  | 7,700 *                       | 7,700 *                    | 59.1                | 101.0                  | 6,100 *                       | 6,100 *                    | 90                      |
| 70                  | 60                 | 100                     | 45.2                | 95.3                   | 8,400 *                       | 8,400 *                    | 49.3                | 94.2                   | 7,000 *                       | 7,000 *                    | 52.8                | 90.9                   | 5,600 *                       | 5,600 *                    | 100                     |
| 70                  | 60                 | 110                     | 38.4                | 83.1                   | 7,600 *                       | 7,600 *                    | 42.3                | 81.9                   | 6,500 *                       | 6,500 *                    | 45.6                | 78.0                   | 5,300 *                       | 5,300 *                    | 110                     |
| 70                  | 60                 | 120                     | 30.2                | 67.1                   | 7,000 *                       | 6,900 *                    |                     |                        |                               |                            |                     |                        |                               |                            | 120                     |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length<br>(ft) | Jib Length<br>(ft) | Jib Load Radius<br>(ft) | Jib Angle to Boom   |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            | Jib Load Radius<br>(ft) |
|---------------------|--------------------|-------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|-------------------------|
|                     |                    |                         | 5 Degrees           |                        |                               |                            | 15 Degrees          |                        |                               |                            | 25 Degrees          |                        |                               |                            |                         |
|                     |                    |                         | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) |                         |
| 80                  | 30                 | 25.33                   | 80.0                | 115.8                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 25.33                   |
| 80                  | 30                 | 30                      | 77.6                | 114.8                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 30                      |
| 80                  | 30                 | 35                      | 74.9                | 113.4                  | 24,000 *                      | 24,000 *                   | 77.5                | 112.8                  | 24,000 *                      | 24,000 *                   | 79.9                | 111.4                  | 20,600 *                      | 20,600 *                   | 35                      |
| 80                  | 30                 | 40                      | 72.2                | 111.8                  | 24,000 *                      | 24,000 *                   | 74.8                | 111.2                  | 24,000 *                      | 24,000 *                   | 77.1                | 109.7                  | 19,200 *                      | 19,200 *                   | 40                      |
| 80                  | 30                 | 50                      | 66.7                | 107.8                  | 24,000 *                      | 24,000 *                   | 69.2                | 107.2                  | 23,200 *                      | 23,200 *                   | 71.5                | 105.6                  | 17,300 *                      | 17,300 *                   | 50                      |
| 80                  | 30                 | 60                      | 61.0                | 102.6                  | 23,300                        | 19,700                     | 63.4                | 102.0                  | 20,100 *                      | 20,000                     | 65.6                | 100.3                  | 16,100 *                      | 16,100 *                   | 60                      |
| 80                  | 30                 | 70                      | 54.8                | 96.0                   | 18,800                        | 16,000                     | 57.2                | 95.4                   | 17,800 *                      | 16,300                     | 59.3                | 93.6                   | 14,800 *                      | 14,800 *                   | 70                      |
| 80                  | 30                 | 80                      | 48.2                | 87.6                   | 15,700                        | 13,300                     | 50.5                | 87.0                   | 15,900                        | 13,400                     | 52.5                | 85.0                   | 13,800 *                      | 13,600                     | 80                      |
| 80                  | 30                 | 90                      | 40.7                | 77.0                   | 13,300                        | 11,200                     | 42.9                | 76.2                   | 13,400                        | 11,300                     |                     |                        |                               |                            | 90                      |
| 80                  | 30                 | 100                     | 31.8                | 62.6                   | 11,400                        | 9,500                      |                     |                        |                               |                            |                     |                        |                               |                            | 100                     |
| 80                  | 45                 | 29.21                   | 80.0                | 130.0                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 29.21                   |
| 80                  | 45                 | 30                      | 79.6                | 129.8                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 30                      |
| 80                  | 45                 | 35                      | 77.3                | 128.6                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 35                      |
| 80                  | 45                 | 40                      | 75.0                | 127.2                  | 24,000 *                      | 24,000 *                   | 78.4                | 126.4                  | 18,200 *                      | 18,200 *                   |                     |                        |                               |                            | 40                      |
| 80                  | 45                 | 50                      | 70.2                | 123.6                  | 20,800 *                      | 20,800 *                   | 73.6                | 122.8                  | 17,200 *                      | 17,200 *                   | 76.7                | 120.7                  | 12,300 *                      | 12,300 *                   | 50                      |
| 80                  | 45                 | 60                      | 65.3                | 119.1                  | 17,500 *                      | 17,500 *                   | 68.6                | 118.3                  | 14,800 *                      | 14,800 *                   | 71.7                | 116.0                  | 11,000 *                      | 11,000 *                   | 60                      |
| 80                  | 45                 | 70                      | 60.1                | 113.5                  | 16,600 *                      | 16,300                     | 63.4                | 112.6                  | 13,100 *                      | 13,100 *                   | 66.4                | 110.3                  | 9,900 *                       | 9,900 *                    | 70                      |
| 80                  | 45                 | 80                      | 54.7                | 106.5                  | 14,500 *                      | 13,500                     | 57.9                | 105.7                  | 11,700 *                      | 11,700 *                   | 60.7                | 103.1                  | 9,100 *                       | 9,100 *                    | 80                      |
| 80                  | 45                 | 90                      | 48.8                | 98.1                   | 12,900 *                      | 11,400                     | 51.9                | 97.1                   | 10,600 *                      | 10,600 *                   | 54.6                | 94.4                   | 8,500 *                       | 8,500 *                    | 90                      |
| 80                  | 45                 | 100                     | 42.2                | 87.5                   | 11,600 *                      | 9,800                      | 45.3                | 86.5                   | 9,800 *                       | 9,800 *                    | 47.8                | 83.4                   | 7,900 *                       | 8,000 *                    | 100                     |
| 80                  | 45                 | 110                     | 34.7                | 74.0                   | 10,100                        | 8,400                      | 37.6                | 72.8                   | 9,100 *                       | 8,500                      |                     |                        |                               |                            | 110                     |
| 80                  | 60                 | 33.09                   | 80.0                | 144.6                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 33.09                   |
| 80                  | 60                 | 35                      | 79.2                | 144.1                  | 23,000 *                      | 23,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 35                      |
| 80                  | 60                 | 40                      | 77.1                | 142.9                  | 20,400 *                      | 20,400 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 40                      |
| 80                  | 60                 | 50                      | 72.9                | 139.8                  | 17,300 *                      | 17,300 *                   | 77.0                | 138.9                  | 13,400 *                      | 13,400 *                   |                     |                        |                               |                            | 50                      |
| 80                  | 60                 | 60                      | 68.6                | 135.8                  | 15,300 *                      | 15,300 *                   | 72.6                | 134.9                  | 11,600 *                      | 11,600 *                   | 76.4                | 132.3                  | 8,400 *                       | 8,400 *                    | 60                      |
| 80                  | 60                 | 70                      | 64.1                | 130.9                  | 13,000 *                      | 13,000 *                   | 68.1                | 130.0                  | 10,100 *                      | 10,100 *                   | 71.8                | 127.3                  | 7,600 *                       | 7,600 *                    | 70                      |
| 80                  | 60                 | 80                      | 59.4                | 125.0                  | 11,300 *                      | 11,300 *                   | 63.4                | 124.1                  | 9,000 *                       | 9,000 *                    | 67.0                | 121.3                  | 6,900 *                       | 6,900 *                    | 80                      |
| 80                  | 60                 | 90                      | 54.5                | 117.9                  | 10,000 *                      | 10,000 *                   | 58.4                | 117.0                  | 8,100 *                       | 8,100 *                    | 61.9                | 113.9                  | 6,300 *                       | 6,300 *                    | 90                      |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttw

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length<br>(ft) | Jib Length<br>(ft) | Jib Load Radius<br>(ft) | Jib Angle to Boom   |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            | Jib Load Radius<br>(ft) |
|---------------------|--------------------|-------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|-------------------------|
|                     |                    |                         | 5 Degrees           |                        |                               |                            | 15 Degrees          |                        |                               |                            | 25 Degrees          |                        |                               |                            |                         |
|                     |                    |                         | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) |                         |
| 80                  | 60                 | 100                     | 49.2                | 109.4                  | 9,000                         | 9,000                      | 53.0                | 108.4                  | 7,400                         | 7,400                      | 56.4                | 105.1                  | 5,900                         | 5,900                      | 100                     |
| 80                  | 60                 | 110                     | 43.4                | 99.1                   | 8,100                         | 8,100                      | 47.2                | 97.9                   | 6,800                         | 6,800                      | 50.3                | 94.3                   | 5,500                         | 5,500                      | 110                     |
| 80                  | 60                 | 120                     | 36.9                | 86.3                   | 7,400                         | 7,400                      | 40.5                | 84.9                   | 6,300                         | 6,300                      |                     |                        |                               |                            | 120                     |
| 80                  | 60                 | 130                     | 29.0                | 69.5                   | 6,900                         | 6,500                      |                     |                        |                               |                            |                     |                        |                               |                            | 130                     |
| 90                  | 30                 | 27.07                   | 80.0                | 125.6                  | 24,000                        | 24,000                     |                     |                        |                               |                            |                     |                        |                               |                            | 27.07                   |
| 90                  | 30                 | 30                      | 78.6                | 125.0                  | 24,000                        | 24,000                     |                     |                        |                               |                            |                     |                        |                               |                            | 30                      |
| 90                  | 30                 | 35                      | 76.2                | 123.8                  | 24,000                        | 24,000                     | 78.5                | 123.2                  | 24,000                        | 24,000                     |                     |                        |                               |                            | 35                      |
| 90                  | 30                 | 40                      | 73.7                | 122.3                  | 24,000                        | 24,000                     | 76.1                | 121.8                  | 24,000                        | 24,000                     | 78.3                | 120.2                  | 19,700                        | 19,700                     | 40                      |
| 90                  | 30                 | 50                      | 68.7                | 118.7                  | 24,000                        | 24,000                     | 71.0                | 118.1                  | 24,000                        | 24,000                     | 73.2                | 116.5                  | 17,500                        | 17,500                     | 50                      |
| 90                  | 30                 | 60                      | 63.6                | 114.0                  | 23,100                        | 19,500                     | 65.8                | 113.4                  | 21,200                        | 19,800                     | 67.9                | 111.8                  | 16,600                        | 16,600                     | 60                      |
| 90                  | 30                 | 70                      | 58.1                | 108.2                  | 18,600                        | 15,800                     | 60.4                | 107.5                  | 18,900                        | 16,100                     | 62.3                | 105.8                  | 15,300                        | 15,300                     | 70                      |
| 90                  | 30                 | 80                      | 52.3                | 100.9                  | 15,500                        | 13,100                     | 54.5                | 100.2                  | 15,700                        | 13,300                     | 56.4                | 98.3                   | 14,300                        | 13,400                     | 80                      |
| 90                  | 30                 | 90                      | 46.0                | 91.9                   | 13,100                        | 11,000                     | 48.1                | 91.1                   | 13,200                        | 11,100                     | 49.8                | 89.0                   | 13,400                        | 11,300                     | 90                      |
| 90                  | 30                 | 100                     | 38.9                | 80.4                   | 11,200                        | 9,300                      | 40.9                | 79.6                   | 11,300                        | 9,400                      |                     |                        |                               |                            | 100                     |
| 90                  | 30                 | 110                     | 30.4                | 65.3                   | 9,600                         | 8,000                      |                     |                        |                               |                            |                     |                        |                               |                            | 110                     |
| 90                  | 45                 | 30.95                   | 80.0                | 139.9                  | 24,000                        | 24,000                     |                     |                        |                               |                            |                     |                        |                               |                            | 30.95                   |
| 90                  | 45                 | 35                      | 78.3                | 138.9                  | 24,000                        | 24,000                     |                     |                        |                               |                            |                     |                        |                               |                            | 35                      |
| 90                  | 45                 | 40                      | 76.1                | 137.6                  | 24,000                        | 24,000                     | 79.3                | 136.7                  | 18,700                        | 18,700                     |                     |                        |                               |                            | 40                      |
| 90                  | 45                 | 50                      | 71.7                | 134.3                  | 22,100                        | 22,000                     | 74.8                | 133.5                  | 17,300                        | 17,300                     | 77.8                | 131.3                  | 12,600                        | 12,600                     | 50                      |
| 90                  | 45                 | 60                      | 67.2                | 130.2                  | 18,600                        | 18,600                     | 70.3                | 129.3                  | 15,500                        | 15,500                     | 73.2                | 127.1                  | 11,300                        | 11,300                     | 60                      |
| 90                  | 45                 | 70                      | 62.5                | 125.1                  | 17,300                        | 16,100                     | 65.6                | 124.2                  | 13,700                        | 13,700                     | 68.4                | 121.8                  | 10,300                        | 10,300                     | 70                      |
| 90                  | 45                 | 80                      | 57.6                | 118.9                  | 15,600                        | 13,300                     | 60.6                | 118.0                  | 12,300                        | 12,300                     | 63.3                | 115.5                  | 9,500                         | 9,400                      | 80                      |
| 90                  | 45                 | 90                      | 52.4                | 111.4                  | 13,300                        | 11,200                     | 55.4                | 110.4                  | 11,200                        | 11,200                     | 57.9                | 107.7                  | 8,800                         | 8,800                      | 90                      |
| 90                  | 45                 | 100                     | 46.8                | 102.3                  | 11,400                        | 9,500                      | 49.7                | 101.3                  | 10,300                        | 9,700                      | 52.1                | 98.3                   | 8,200                         | 8,200                      | 100                     |
| 90                  | 45                 | 110                     | 40.5                | 91.1                   | 9,900                         | 8,200                      | 43.3                | 90.0                   | 9,500                         | 8,400                      |                     |                        |                               |                            | 110                     |
| 90                  | 45                 | 120                     | 33.3                | 76.9                   | 8,600                         | 7,100                      | 35.9                | 75.5                   | 8,700                         | 7,200                      |                     |                        |                               |                            | 120                     |
| 90                  | 60                 | 34.83                   | 80.0                | 154.4                  | 24,000                        | 24,000                     |                     |                        |                               |                            |                     |                        |                               |                            | 34.83                   |
| 90                  | 60                 | 35                      | 79.9                | 154.4                  | 24,000                        | 24,000                     |                     |                        |                               |                            |                     |                        |                               |                            | 35                      |
| 90                  | 60                 | 40                      | 78.0                | 153.2                  | 21,400                        | 21,400                     |                     |                        |                               |                            |                     |                        |                               |                            | 40                      |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwtw

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom |                     |                            |                         |                  |                     |                            |                         |                  |                     |                            |                         | Jib Load Radius (ft) |
|------------------|-----------------|----------------------|-------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|----------------------|
|                  |                 |                      | 5 Degrees         |                     |                            |                         | 15 Degrees       |                     |                            |                         | 25 Degrees       |                     |                            |                         |                      |
|                  |                 |                      | Boom Angle (deg)  | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) |                      |
| 90               | 60              | 50                   | 74.1              | 150.3               | 17,500 *                   | 17,500 *                | 77.9             | 149.4               | 13,900 *                   | 13,900 *                |                  |                     |                            |                         | 50                   |
| 90               | 60              | 60                   | 70.1              | 146.6               | 16,200 *                   | 16,200 *                | 73.8             | 145.7               | 12,000 *                   | 12,000 *                | 77.4             | 143.0               | 8,600 *                    | 8,600 *                 | 60                   |
| 90               | 60              | 70                   | 66.0              | 142.2               | 13,900 *                   | 13,900 *                | 69.7             | 141.2               | 10,600 *                   | 10,600 *                | 73.2             | 138.4               | 7,800 *                    | 7,800 *                 | 70                   |
| 90               | 60              | 80                   | 61.7              | 136.8               | 12,100 *                   | 12,100 *                | 65.4             | 135.8               | 9,400 *                    | 9,400 *                 | 68.8             | 132.9               | 7,100 *                    | 7,100 *                 | 80                   |
| 90               | 60              | 90                   | 57.2              | 130.3               | 10,700 *                   | 10,700 *                | 60.9             | 129.3               | 8,500 *                    | 8,500 *                 | 64.2             | 126.3               | 6,500 *                    | 6,500 *                 | 90                   |
| 90               | 60              | 100                  | 52.5              | 122.7               | 9,600 *                    | 9,600 *                 | 56.1             | 121.7               | 7,800 *                    | 7,800 *                 | 59.3             | 118.4               | 6,100 *                    | 6,100 *                 | 100                  |
| 90               | 60              | 110                  | 47.4              | 113.7               | 8,700 *                    | 8,300 *                 | 50.9             | 112.5               | 7,200 *                    | 7,200 *                 | 54.0             | 109.0               | 5,700 *                    | 5,700 *                 | 110                  |
| 90               | 60              | 120                  | 41.9              | 102.8               | 7,900 *                    | 7,200 *                 | 45.3             | 101.5               | 6,700 *                    | 6,700 *                 | 48.1             | 97.6                | 5,400 *                    | 5,400 *                 | 120                  |
| 90               | 60              | 130                  | 35.6              | 89.3                | 7,300 *                    | 6,300 *                 | 38.9             | 87.8                | 6,200 *                    | 6,200 *                 |                  |                     |                            |                         | 130                  |
| 90               | 60              | 140                  | 28.0              | 71.8                | 6,800                      | 5,500                   |                  |                     |                            |                         |                  |                     |                            |                         | 140                  |
| 100              | 30              | 28.8                 | 80.0              | 135.5               | 24,000 *                   | 24,000 *                |                  |                     |                            |                         |                  |                     |                            |                         | 28.8                 |
| 100              | 30              | 30                   | 79.5              | 135.3               | 24,000 *                   | 24,000 *                |                  |                     |                            |                         |                  |                     |                            |                         | 30                   |
| 100              | 30              | 35                   | 77.2              | 134.1               | 24,000 *                   | 24,000 *                | 79.4             | 133.5               | 24,000 *                   | 24,000 *                |                  |                     |                            |                         | 35                   |
| 100              | 30              | 40                   | 75.0              | 132.8               | 24,000 *                   | 24,000 *                | 77.2             | 132.2               | 24,000 *                   | 24,000 *                | 79.2             | 130.6               | 20,200 *                   | 20,200 *                | 40                   |
| 100              | 30              | 50                   | 70.4              | 129.4               | 24,000 *                   | 24,000 *                | 72.6             | 128.9               | 24,000 *                   | 24,000 *                | 74.5             | 127.2               | 18,000 *                   | 18,000 *                | 50                   |
| 100              | 30              | 60                   | 65.7              | 125.2               | 22,900                     | 19,300                  | 67.8             | 124.6               | 22,300 *                   | 19,600                  | 69.7             | 122.9               | 17,100 *                   | 17,100 *                | 60                   |
| 100              | 30              | 70                   | 60.8              | 119.9               | 18,400                     | 15,700                  | 62.9             | 119.3               | 18,700                     | 15,900                  | 64.7             | 117.5               | 15,800 *                   | 15,800 *                | 70                   |
| 100              | 30              | 80                   | 55.6              | 113.4               | 15,300                     | 12,900                  | 57.7             | 112.8               | 15,500                     | 13,100                  | 59.4             | 110.9               | 14,800 *                   | 13,300                  | 80                   |
| 100              | 30              | 90                   | 50.1              | 105.6               | 12,900                     | 10,800                  | 52.1             | 104.9               | 13,100                     | 11,000                  | 53.8             | 102.8               | 13,200                     | 11,100                  | 90                   |
| 100              | 30              | 100                  | 44.1              | 95.9                | 11,000                     | 9,100                   | 46.0             | 95.1                | 11,100                     | 9,300                   | 47.6             | 92.8                | 11,200                     | 9,400                   | 100                  |
| 100              | 30              | 110                  | 37.3              | 83.8                | 9,500                      | 7,800                   | 39.1             | 82.8                | 9,500                      | 7,900                   |                  |                     |                            |                         | 110                  |
| 100              | 30              | 120                  | 29.1              | 67.8                | 8,200                      | 6,700                   |                  |                     |                            |                         |                  |                     |                            |                         | 120                  |
| 100              | 45              | 32.69                | 80.0              | 149.7               | 24,000 *                   | 24,000 *                |                  |                     |                            |                         |                  |                     |                            |                         | 32.69                |
| 100              | 45              | 35                   | 79.1              | 149.2               | 24,000 *                   | 24,000 *                |                  |                     |                            |                         |                  |                     |                            |                         | 35                   |
| 100              | 45              | 40                   | 77.1              | 148.0               | 24,000 *                   | 24,000 *                |                  |                     |                            |                         |                  |                     |                            |                         | 40                   |
| 100              | 45              | 50                   | 73.0              | 144.9               | 22,900 *                   | 22,900 *                | 75.9             | 144.1               | 17,300 *                   | 17,300 *                | 78.7             | 141.8               | 12,900 *                   | 12,900 *                | 50                   |
| 100              | 45              | 60                   | 68.9              | 141.1               | 19,700 *                   | 19,500                  | 71.7             | 140.2               | 16,200 *                   | 16,200 *                | 74.4             | 137.9               | 11,600 *                   | 11,600 *                | 60                   |
| 100              | 45              | 70                   | 64.6              | 136.4               | 17,100 *                   | 15,900                  | 67.4             | 135.5               | 14,300 *                   | 14,300 *                | 70.0             | 133.1               | 10,600 *                   | 10,600 *                | 70                   |
| 100              | 45              | 80                   | 60.1              | 130.8               | 15,600                     | 13,100                  | 62.9             | 129.9               | 12,900 *                   | 12,900 *                | 65.5             | 127.3               | 9,800 *                    | 9,800 *                 | 80                   |
| 100              | 45              | 90                   | 55.4              | 124.0               | 13,100                     | 11,000                  | 58.2             | 123.1               | 11,700 *                   | 11,200                  | 60.6             | 120.4               | 9,100 *                    | 9,100 *                 | 90                   |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttw

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length<br>(ft) | Jib Length<br>(ft) | Jib Load Radius<br>(ft) | Jib Angle to Boom   |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            | Jib Load Radius<br>(ft) |
|---------------------|--------------------|-------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|-------------------------|
|                     |                    |                         | 5 Degrees           |                        |                               |                            | 15 Degrees          |                        |                               |                            | 25 Degrees          |                        |                               |                            |                         |
|                     |                    |                         | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) |                         |
| 100                 | 45                 | 100                     | 50.4                | 116.0                  | 11,200                        | 9,300                      | 53.1                | 115.0                  | 10,800                        | 9,500                      | 55.5                | 112.1                  | 8,500                         | 8,500                      | 100                     |
| 100                 | 45                 | 110                     | 45.0                | 106.3                  | 9,700                         | 8,000                      | 47.7                | 105.2                  | 9,800                         | 8,200                      | 49.9                | 102.1                  | 8,100                         | 8,100                      | 110                     |
| 100                 | 45                 | 120                     | 39.0                | 94.6                   | 8,400                         | 6,900                      | 41.6                | 93.3                   | 8,500                         | 7,000                      |                     |                        |                               |                            | 120                     |
| 100                 | 45                 | 130                     | 32.1                | 79.7                   | 7,300                         | 6,000                      |                     |                        |                               |                            |                     |                        |                               |                            | 130                     |
| 100                 | 60                 | 36.57                   | 80.0                | 164.3                  | 24,000                        | 24,000                     |                     |                        |                               |                            |                     |                        |                               |                            | 36.57                   |
| 100                 | 60                 | 40                      | 78.8                | 163.5                  | 22,300                        | 22,300                     |                     |                        |                               |                            |                     |                        |                               |                            | 40                      |
| 100                 | 60                 | 50                      | 75.1                | 160.8                  | 18,300                        | 18,300                     | 78.7                | 159.8                  | 14,300                        | 14,300                     |                     |                        |                               |                            | 50                      |
| 100                 | 60                 | 60                      | 71.4                | 157.4                  | 17,100                        | 17,100                     | 74.9                | 156.4                  | 12,400                        | 12,400                     | 78.3                | 153.7                  | 8,800                         | 8,800                      | 60                      |
| 100                 | 60                 | 70                      | 67.5                | 153.2                  | 14,700                        | 14,700                     | 71.0                | 152.2                  | 11,000                        | 11,000                     | 74.3                | 149.4                  | 8,000                         | 8,000                      | 70                      |
| 100                 | 60                 | 80                      | 63.6                | 148.2                  | 12,800                        | 12,800                     | 67.1                | 147.2                  | 9,800                         | 9,800                      | 70.3                | 144.3                  | 7,300                         | 7,300                      | 80                      |
| 100                 | 60                 | 90                      | 59.5                | 142.4                  | 11,300                        | 11,100                     | 62.9                | 141.3                  | 8,900                         | 8,900                      | 66.1                | 138.3                  | 6,700                         | 6,700                      | 90                      |
| 100                 | 60                 | 100                     | 55.2                | 135.4                  | 10,200                        | 9,500                      | 58.6                | 134.4                  | 8,100                         | 8,100                      | 61.6                | 131.1                  | 6,300                         | 6,300                      | 100                     |
| 100                 | 60                 | 110                     | 50.7                | 127.3                  | 9,200                         | 8,100                      | 54.0                | 126.2                  | 7,500                         | 7,500                      | 56.9                | 122.8                  | 5,900                         | 5,900                      | 110                     |
| 100                 | 60                 | 120                     | 45.8                | 117.8                  | 8,400                         | 7,000                      | 49.1                | 116.5                  | 7,000                         | 7,000                      | 51.8                | 112.8                  | 5,600                         | 5,600                      | 120                     |
| 100                 | 60                 | 130                     | 40.4                | 106.3                  | 7,500                         | 6,100                      | 43.6                | 104.9                  | 6,500                         | 6,300                      | 46.2                | 100.8                  | 5,300                         | 5,300                      | 130                     |
| 100                 | 60                 | 140                     | 34.3                | 92.3                   | 6,600                         | 5,300                      | 37.4                | 90.6                   | 6,200                         | 5,400                      |                     |                        |                               |                            | 140                     |
| 100                 | 60                 | 150                     | 27.0                | 74.1                   | 5,800                         | 4,600                      |                     |                        |                               |                            |                     |                        |                               |                            | 150                     |
| 110                 | 30                 | 30.54                   | 80.0                | 145.3                  | 24,000                        | 24,000                     |                     |                        |                               |                            |                     |                        |                               |                            | 30.54                   |
| 110                 | 30                 | 35                      | 78.2                | 144.4                  | 24,000                        | 24,000                     |                     |                        |                               |                            |                     |                        |                               |                            | 35                      |
| 110                 | 30                 | 40                      | 76.1                | 143.2                  | 24,000                        | 24,000                     | 78.1                | 142.5                  | 24,000                        | 24,000                     |                     |                        |                               |                            | 40                      |
| 110                 | 30                 | 50                      | 71.9                | 140.1                  | 24,000                        | 24,000                     | 73.9                | 139.5                  | 24,000                        | 24,000                     | 75.7                | 137.9                  | 18,500                        | 18,500                     | 50                      |
| 110                 | 30                 | 60                      | 67.5                | 136.2                  | 22,700                        | 19,100                     | 69.5                | 135.6                  | 22,900                        | 19,500                     | 71.3                | 133.9                  | 17,300                        | 17,300                     | 60                      |
| 110                 | 30                 | 70                      | 63.1                | 131.3                  | 18,200                        | 15,500                     | 65.0                | 130.7                  | 18,500                        | 15,700                     | 66.7                | 129.0                  | 16,300                        | 16,000                     | 70                      |
| 110                 | 30                 | 80                      | 58.4                | 125.5                  | 15,100                        | 12,700                     | 60.3                | 124.9                  | 15,400                        | 12,900                     | 62.0                | 123.0                  | 15,200                        | 13,100                     | 80                      |
| 110                 | 30                 | 90                      | 53.5                | 118.5                  | 12,700                        | 10,600                     | 55.3                | 117.8                  | 12,900                        | 10,800                     | 56.9                | 115.8                  | 13,000                        | 10,900                     | 90                      |
| 110                 | 30                 | 100                     | 48.2                | 110.0                  | 10,800                        | 8,900                      | 50.0                | 109.3                  | 10,900                        | 9,100                      | 51.5                | 107.1                  | 11,100                        | 9,200                      | 100                     |
| 110                 | 30                 | 110                     | 42.4                | 99.7                   | 9,300                         | 7,600                      | 44.2                | 98.9                   | 9,400                         | 7,700                      | 45.5                | 96.5                   | 9,500                         | 7,800                      | 110                     |
| 110                 | 30                 | 120                     | 35.9                | 87.0                   | 8,000                         | 6,500                      | 37.5                | 86.0                   | 8,100                         | 6,600                      |                     |                        |                               |                            | 120                     |
| 110                 | 30                 | 130                     | 28.0                | 70.3                   | 6,900                         | 5,600                      |                     |                        |                               |                            |                     |                        |                               |                            | 130                     |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length<br>(ft) | Jib Length<br>(ft) | Jib Load Radius<br>(ft) | Jib Angle to Boom   |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            | Jib Load Radius<br>(ft) |
|---------------------|--------------------|-------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|-------------------------|
|                     |                    |                         | 5 Degrees           |                        |                               |                            | 15 Degrees          |                        |                               |                            | 25 Degrees          |                        |                               |                            |                         |
|                     |                    |                         | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) |                         |
| 110                 | 45                 | 34.42                   | 80.0                | 159.6                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 34.42                   |
| 110                 | 45                 | 35                      | 79.8                | 159.4                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 35                      |
| 110                 | 45                 | 40                      | 77.9                | 158.3                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 40                      |
| 110                 | 45                 | 50                      | 74.1                | 155.5                  | 22,900 *                      | 22,900 *                   | 76.9                | 154.5                  | 17,100 *                      | 17,100 *                   | 79.4                | 152.3                  | 13,100 *                      | 13,200 *                   | 50                      |
| 110                 | 45                 | 60                      | 70.3                | 151.9                  | 20,000 *                      | 19,300 *                   | 73.0                | 151.0                  | 16,800 *                      | 16,800 *                   | 75.5                | 148.7                  | 11,900 *                      | 11,900 *                   | 60                      |
| 110                 | 45                 | 70                      | 66.3                | 147.6                  | 17,600 *                      | 15,700 *                   | 69.0                | 146.7                  | 14,900 *                      | 14,900 *                   | 71.4                | 144.2                  | 10,900 *                      | 10,900 *                   | 70                      |
| 110                 | 45                 | 80                      | 62.2                | 142.4                  | 15,400 *                      | 12,900 *                   | 64.9                | 141.5                  | 13,400 *                      | 13,200 *                   | 67.3                | 138.9                  | 10,100 *                      | 10,100 *                   | 80                      |
| 110                 | 45                 | 90                      | 57.9                | 136.2                  | 12,900 *                      | 10,800 *                   | 60.5                | 135.3                  | 12,300 *                      | 11,100 *                   | 62.9                | 132.6                  | 9,400 *                       | 9,400 *                    | 90                      |
| 110                 | 45                 | 100                     | 53.4                | 129.0                  | 11,000 *                      | 9,100 *                    | 56.0                | 128.0                  | 11,200 *                      | 9,400 *                    | 58.2                | 125.2                  | 8,800 *                       | 8,800 *                    | 100                     |
| 110                 | 45                 | 110                     | 48.7                | 120.4                  | 9,400 *                       | 7,800 *                    | 51.2                | 119.4                  | 9,600 *                       | 8,000 *                    | 53.3                | 116.4                  | 8,300 *                       | 8,200 *                    | 110                     |
| 110                 | 45                 | 120                     | 43.5                | 110.2                  | 8,200 *                       | 6,700 *                    | 45.9                | 109.1                  | 8,300 *                       | 6,800 *                    | 47.9                | 105.8                  | 7,900 *                       | 7,000 *                    | 120                     |
| 110                 | 45                 | 130                     | 37.7                | 97.9                   | 7,100 *                       | 5,800 *                    | 40.0                | 96.6                   | 7,200 *                       | 5,900 *                    |                     |                        |                               |                            | 130                     |
| 110                 | 45                 | 140                     | 31.0                | 82.4                   | 6,200 *                       | 5,000 *                    |                     |                        |                               |                            |                     |                        |                               |                            | 140                     |
| 110                 | 60                 | 38.3                    | 80.0                | 174.1                  | 23,300 *                      | 23,300 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 38.3                    |
| 110                 | 60                 | 40                      | 79.4                | 173.8                  | 22,700 *                      | 22,600 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 40                      |
| 110                 | 60                 | 50                      | 76.0                | 171.2                  | 19,100 *                      | 19,100 *                   | 79.4                | 170.2                  | 14,700 *                      | 14,700 *                   |                     |                        |                               |                            | 50                      |
| 110                 | 60                 | 60                      | 72.5                | 168.0                  | 17,200 *                      | 17,200 *                   | 75.8                | 167.0                  | 12,800 *                      | 12,800 *                   | 79.0                | 164.2                  | 9,000 *                       | 9,000 *                    | 60                      |
| 110                 | 60                 | 70                      | 68.9                | 164.1                  | 15,400 *                      | 15,400 *                   | 72.2                | 163.1                  | 11,400 *                      | 11,400 *                   | 75.3                | 160.2                  | 8,200 *                       | 8,200 *                    | 70                      |
| 110                 | 60                 | 80                      | 65.3                | 159.5                  | 13,500 *                      | 13,000 *                   | 68.5                | 158.5                  | 10,200 *                      | 10,200 *                   | 71.6                | 155.5                  | 7,500 *                       | 7,500 *                    | 80                      |
| 110                 | 60                 | 90                      | 61.5                | 154.1                  | 12,000 *                      | 10,900 *                   | 64.7                | 153.0                  | 9,300 *                       | 9,300 *                    | 67.7                | 149.9                  | 6,900 *                       | 6,900 *                    | 90                      |
| 110                 | 60                 | 100                     | 57.5                | 147.7                  | 10,800 *                      | 9,300 *                    | 60.7                | 146.6                  | 8,500 *                       | 8,500 *                    | 63.6                | 143.4                  | 6,500 *                       | 6,500 *                    | 100                     |
| 110                 | 60                 | 110                     | 53.4                | 140.3                  | 9,600 *                       | 7,900 *                    | 56.6                | 139.2                  | 7,800 *                       | 7,800 *                    | 59.4                | 135.8                  | 6,100 *                       | 6,100 *                    | 110                     |
| 110                 | 60                 | 120                     | 49.0                | 131.8                  | 8,300 *                       | 6,800 *                    | 52.1                | 130.6                  | 7,300 *                       | 7,000 *                    | 54.8                | 126.9                  | 5,700 *                       | 5,700 *                    | 120                     |
| 110                 | 60                 | 130                     | 44.3                | 121.7                  | 7,200 *                       | 5,900 *                    | 47.4                | 120.4                  | 6,800 *                       | 6,100 *                    | 49.9                | 116.4                  | 5,400 *                       | 5,400 *                    | 130                     |
| 110                 | 60                 | 140                     | 39.1                | 109.7                  | 6,300 *                       | 5,100 *                    | 42.1                | 108.3                  | 6,400 *                       | 5,300 *                    |                     |                        |                               |                            | 140                     |
| 110                 | 60                 | 150                     | 33.3                | 95.1                   | 5,600 *                       | 4,400 *                    | 36.1                | 93.4                   | 5,700 *                       | 4,500 *                    |                     |                        |                               |                            | 150                     |
| 110                 | 60                 | 160                     | 26.2                | 76.3                   | 4,900 *                       | 3,800 *                    |                     |                        |                               |                            |                     |                        |                               |                            | 160                     |
| 120                 | 30                 | 32.28                   | 80.0                | 155.2                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 32.28                   |
| 120                 | 30                 | 35                      | 79.0                | 154.6                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 35                      |
| 120                 | 30                 | 40                      | 77.0                | 153.5                  | 24,000 *                      | 24,000 *                   | 78.9                | 152.9                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            | 40                      |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom |                     |                            |                         |                  |                     |                            |                         |                  |                     |                            |                         | Jib Load Radius (ft) |
|------------------|-----------------|----------------------|-------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|----------------------|
|                  |                 |                      | 5 Degrees         |                     |                            |                         | 15 Degrees       |                     |                            |                         | 25 Degrees       |                     |                            |                         |                      |
|                  |                 |                      | Boom Angle (deg)  | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) |                      |
| 120              | 30              | 50                   | 73.1              | 150.6               | 24,000                     | 24,000                  | 75.0             | 150.0               | 24,000                     | 24,000                  | 76.7             | 148.4               | 18,900                     | 18,900                  | 50                   |
| 120              | 30              | 60                   | 69.1              | 147.0               | 22,500                     | 18,900                  | 70.9             | 146.4               | 22,600                     | 19,300                  | 72.6             | 144.7               | 17,200                     | 17,200                  | 60                   |
| 120              | 30              | 70                   | 65.0              | 142.6               | 18,000                     | 15,300                  | 66.8             | 141.9               | 18,300                     | 15,600                  | 68.4             | 140.2               | 16,700                     | 15,800                  | 70                   |
| 120              | 30              | 80                   | 60.7              | 137.2               | 14,900                     | 12,500                  | 62.5             | 136.6               | 15,200                     | 12,700                  | 64.1             | 134.8               | 15,400                     | 13,000                  | 80                   |
| 120              | 30              | 90                   | 56.2              | 130.8               | 12,500                     | 10,400                  | 58.0             | 130.2               | 12,700                     | 10,600                  | 59.5             | 128.2               | 12,900                     | 10,800                  | 90                   |
| 120              | 30              | 100                  | 51.5              | 123.3               | 10,600                     | 8,700                   | 53.2             | 122.6               | 10,800                     | 8,900                   | 54.7             | 120.5               | 10,900                     | 9,000                   | 100                  |
| 120              | 30              | 110                  | 46.4              | 114.3               | 9,100                      | 7,400                   | 48.1             | 113.5               | 9,200                      | 7,500                   | 49.5             | 111.3               | 9,300                      | 7,600                   | 110                  |
| 120              | 30              | 120                  | 40.9              | 103.4               | 7,800                      | 6,300                   | 42.5             | 102.6               | 7,900                      | 6,400                   |                  |                     |                            |                         | 120                  |
| 120              | 30              | 130                  | 34.6              | 90.0                | 6,700                      | 5,400                   | 36.1             | 89.0                | 6,800                      | 5,500                   |                  |                     |                            |                         | 130                  |
| 120              | 30              | 140                  | 27.0              | 72.6                | 5,800                      | 4,600                   |                  |                     |                            |                         |                  |                     |                            |                         | 140                  |
| 120              | 45              | 36.16                | 80.0              | 169.4               | 24,000                     | 24,000                  |                  |                     |                            |                         |                  |                     |                            |                         | 36.16                |
| 120              | 45              | 40                   | 78.7              | 168.6               | 24,000                     | 24,000                  |                  |                     |                            |                         |                  |                     |                            |                         | 40                   |
| 120              | 45              | 50                   | 75.1              | 165.9               | 22,800                     | 22,800                  | 77.7             | 165.0               | 17,600                     | 17,600                  |                  |                     |                            |                         | 50                   |
| 120              | 45              | 60                   | 71.5              | 162.6               | 19,800                     | 19,100                  | 74.1             | 161.7               | 17,200                     | 17,200                  | 76.4             | 159.3               | 12,100                     | 12,100                  | 60                   |
| 120              | 45              | 70                   | 67.8              | 158.6               | 17,600                     | 15,500                  | 70.3             | 157.6               | 15,500                     | 15,500                  | 72.7             | 155.2               | 11,100                     | 11,200                  | 70                   |
| 120              | 45              | 80                   | 64.0              | 153.8               | 15,200                     | 12,700                  | 66.5             | 152.8               | 14,000                     | 13,100                  | 68.8             | 150.3               | 10,300                     | 10,300                  | 80                   |
| 120              | 45              | 90                   | 60.1              | 148.1               | 12,700                     | 10,600                  | 62.6             | 147.1               | 12,800                     | 10,900                  | 64.8             | 144.5               | 9,600                      | 9,600                   | 90                   |
| 120              | 45              | 100                  | 56.0              | 141.5               | 10,800                     | 8,900                   | 58.4             | 140.5               | 11,000                     | 9,200                   | 60.6             | 137.7               | 9,000                      | 9,000                   | 100                  |
| 120              | 45              | 110                  | 51.7              | 133.7               | 9,200                      | 7,600                   | 54.1             | 132.7               | 9,500                      | 7,800                   | 56.1             | 129.8               | 8,500                      | 8,000                   | 110                  |
| 120              | 45              | 120                  | 47.0              | 124.7               | 8,000                      | 6,500                   | 49.4             | 123.6               | 8,200                      | 6,700                   | 51.3             | 120.4               | 8,100                      | 6,800                   | 120                  |
| 120              | 45              | 130                  | 42.0              | 114.0               | 6,900                      | 5,600                   | 44.3             | 112.7               | 7,100                      | 5,700                   |                  |                     |                            |                         | 130                  |
| 120              | 45              | 140                  | 36.5              | 101.1               | 6,000                      | 4,800                   | 38.6             | 99.7                | 6,100                      | 4,900                   |                  |                     |                            |                         | 140                  |
| 120              | 45              | 150                  | 30.0              | 84.9                | 5,200                      | 4,100                   |                  |                     |                            |                         |                  |                     |                            |                         | 150                  |
| 120              | 60              | 40.04                | 80.0              | 184.0               | 22,500                     | 22,500                  |                  |                     |                            |                         |                  |                     |                            |                         | 40.04                |
| 120              | 60              | 50                   | 76.8              | 181.6               | 19,300                     | 19,300                  |                  |                     |                            |                         |                  |                     |                            |                         | 50                   |
| 120              | 60              | 60                   | 73.5              | 178.6               | 17,200                     | 17,200                  | 76.7             | 177.5               | 13,200                     | 13,200                  | 79.6             | 174.7               | 9,100                      | 9,100                   | 60                   |
| 120              | 60              | 70                   | 70.2              | 174.9               | 15,500                     | 15,500                  | 73.3             | 173.9               | 11,700                     | 11,700                  | 76.2             | 171.0               | 8,300                      | 8,300                   | 70                   |
| 120              | 60              | 80                   | 66.7              | 170.6               | 13,800                     | 12,800                  | 69.8             | 169.5               | 10,600                     | 10,600                  | 72.7             | 166.5               | 7,700                      | 7,700                   | 80                   |
| 120              | 60              | 90                   | 63.2              | 165.6               | 12,400                     | 10,700                  | 66.3             | 164.5               | 9,600                      | 9,600                   | 69.1             | 161.4               | 7,100                      | 7,100                   | 90                   |
| 120              | 60              | 100                  | 59.6              | 159.7               | 10,900                     | 9,100                   | 62.6             | 158.6               | 8,800                      | 8,800                   | 65.3             | 155.3               | 6,600                      | 6,600                   | 100                  |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom |                     |                            |                         |                  |                     |                            |                         |                  |                     |                            |                         | Jib Load Radius (ft) |
|------------------|-----------------|----------------------|-------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|----------------------|
|                  |                 |                      | 5 Degrees         |                     |                            |                         | 15 Degrees       |                     |                            |                         | 25 Degrees       |                     |                            |                         |                      |
|                  |                 |                      | Boom Angle (deg)  | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) |                      |
| 120              | 60              | 110                  | 55.8              | 152.9               | 9,400                      | 7,700                   | 58.8             | 151.8               | 8,100                      | 8,000                   | 61.4             | 148.4               | 6,200                      | 6,200                   | 110                  |
| 120              | 60              | 120                  | 51.8              | 145.1               | 8,100                      | 6,600                   | 54.7             | 143.9               | 7,600                      | 6,900                   | 57.3             | 140.3               | 5,900                      | 5,900                   | 120                  |
| 120              | 60              | 130                  | 47.5              | 136.1               | 7,000                      | 5,700                   | 50.5             | 134.8               | 7,100                      | 5,900                   | 52.9             | 130.9               | 5,600                      | 5,600                   | 130                  |
| 120              | 60              | 140                  | 43.0              | 125.5               | 6,100                      | 4,900                   | 45.8             | 124.1               | 6,300                      | 5,100                   | 48.2             | 120.0               | 5,300                      | 5,200                   | 140                  |
| 120              | 60              | 150                  | 38.0              | 113.1               | 5,400                      | 4,200                   | 40.7             | 111.5               | 5,500                      | 4,400                   |                  |                     |                            |                         | 150                  |
| 120              | 60              | 160                  | 32.3              | 97.9                | 4,700                      | 3,600                   |                  |                     |                            |                         |                  |                     |                            |                         | 160                  |
|                  |                 |                      |                   |                     |                            |                         |                  |                     |                            |                         |                  |                     |                            |                         |                      |
| 130              | 30              | 34.01                | 80.0              | 165.0               | 24,000                     | 24,000                  |                  |                     |                            |                         |                  |                     |                            |                         | 34.01                |
| 130              | 30              | 35                   | 79.6              | 164.8               | 24,000                     | 24,000                  |                  |                     |                            |                         |                  |                     |                            |                         | 35                   |
| 130              | 30              | 40                   | 77.8              | 163.8               | 24,000                     | 24,000                  | 79.6             | 163.1               | 24,000                     | 24,000                  |                  |                     |                            |                         | 40                   |
| 130              | 30              | 50                   | 74.2              | 161.1               | 24,000                     | 24,000                  | 75.9             | 160.5               | 24,000                     | 24,000                  | 77.6             | 158.8               | 19,300                     | 19,300                  | 50                   |
| 130              | 30              | 60                   | 70.5              | 157.7               | 22,300                     | 18,700                  | 72.2             | 157.1               | 22,500                     | 19,100                  | 73.8             | 155.4               | 17,600                     | 17,600                  | 60                   |
| 130              | 30              | 70                   | 66.6              | 153.6               | 17,800                     | 15,100                  | 68.3             | 153.0               | 18,100                     | 15,400                  | 69.9             | 151.2               | 17,100                     | 15,700                  | 70                   |
| 130              | 30              | 80                   | 62.7              | 148.7               | 14,700                     | 12,300                  | 64.4             | 148.0               | 15,000                     | 12,600                  | 65.9             | 146.2               | 15,300                     | 12,800                  | 80                   |
| 130              | 30              | 90                   | 58.6              | 142.8               | 12,300                     | 10,200                  | 60.3             | 142.2               | 12,500                     | 10,400                  | 61.7             | 140.3               | 12,700                     | 10,600                  | 90                   |
| 130              | 30              | 100                  | 54.3              | 136.0               | 10,400                     | 8,500                   | 55.9             | 135.3               | 10,600                     | 8,700                   | 57.3             | 133.3               | 10,700                     | 8,900                   | 100                  |
| 130              | 30              | 110                  | 49.8              | 127.9               | 8,900                      | 7,200                   | 51.4             | 127.2               | 9,000                      | 7,400                   | 52.7             | 125.0               | 9,100                      | 7,500                   | 110                  |
| 130              | 30              | 120                  | 44.9              | 118.4               | 7,600                      | 6,100                   | 46.4             | 117.6               | 7,700                      | 6,200                   | 47.7             | 115.2               | 7,800                      | 6,300                   | 120                  |
| 130              | 30              | 130                  | 39.5              | 107.0               | 6,500                      | 5,200                   | 41.0             | 106.1               | 6,600                      | 5,300                   |                  |                     |                            |                         | 130                  |
| 130              | 30              | 140                  | 33.5              | 93.0                | 5,600                      | 4,400                   | 34.9             | 91.9                | 5,700                      | 4,500                   |                  |                     |                            |                         | 140                  |
| 130              | 30              | 150                  | 26.1              | 74.9                | 4,900                      | 3,700                   |                  |                     |                            |                         |                  |                     |                            |                         | 150                  |
|                  |                 |                      |                   |                     |                            |                         |                  |                     |                            |                         |                  |                     |                            |                         |                      |
| 130              | 45              | 37.89                | 80.0              | 179.3               | 24,000                     | 24,000                  |                  |                     |                            |                         |                  |                     |                            |                         | 37.89                |
| 130              | 45              | 40                   | 79.3              | 178.8               | 24,000                     | 24,000                  |                  |                     |                            |                         |                  |                     |                            |                         | 40                   |
| 130              | 45              | 50                   | 76.0              | 176.3               | 22,700                     | 22,700                  | 78.4             | 175.4               | 18,000                     | 18,000                  |                  |                     |                            |                         | 50                   |
| 130              | 45              | 60                   | 72.6              | 173.2               | 19,900                     | 18,900                  | 75.0             | 172.3               | 17,200                     | 17,200                  | 77.3             | 169.8               | 12,400                     | 12,400                  | 60                   |
| 130              | 45              | 70                   | 69.1              | 169.4               | 17,600                     | 15,300                  | 71.5             | 168.5               | 16,000                     | 15,700                  | 73.7             | 166.0               | 11,400                     | 11,400                  | 70                   |
| 130              | 45              | 80                   | 65.6              | 165.0               | 15,000                     | 12,500                  | 68.0             | 164.0               | 14,500                     | 12,900                  | 70.1             | 161.4               | 10,600                     | 10,600                  | 80                   |
| 130              | 45              | 90                   | 62.0              | 159.7               | 12,500                     | 10,400                  | 64.3             | 158.7               | 12,800                     | 10,700                  | 66.4             | 156.1               | 9,900                      | 9,900                   | 90                   |
| 130              | 45              | 100                  | 58.2              | 153.6               | 10,600                     | 8,700                   | 60.5             | 152.6               | 10,900                     | 9,000                   | 62.5             | 149.8               | 9,300                      | 9,200                   | 100                  |
| 130              | 45              | 110                  | 54.2              | 146.5               | 9,000                      | 7,400                   | 56.5             | 145.5               | 9,300                      | 7,600                   | 58.5             | 142.6               | 8,800                      | 7,800                   | 110                  |
| 130              | 45              | 120                  | 50.0              | 138.3               | 7,800                      | 6,300                   | 52.3             | 137.2               | 8,000                      | 6,500                   | 54.2             | 134.2               | 8,100                      | 6,600                   | 120                  |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length<br>(ft) | Jib Length<br>(ft) | Jib Load Radius<br>(ft) | Jib Angle to Boom   |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            | Jib Load Radius<br>(ft) |
|---------------------|--------------------|-------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|-------------------------|
|                     |                    |                         | 5 Degrees           |                        |                               |                            | 15 Degrees          |                        |                               |                            | 25 Degrees          |                        |                               |                            |                         |
|                     |                    |                         | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) |                         |
| 130                 | 45                 | 130                     | 45.6                | 128.8                  | 6,700                         | 5,300                      | 47.8                | 127.6                  | 6,900                         | 5,500                      | 49.6                | 124.4                  | 7,000                         | 5,700                      | 130                     |
| 130                 | 45                 | 140                     | 40.7                | 117.6                  | 5,800                         | 4,600                      | 42.9                | 116.3                  | 5,900                         | 4,700                      |                     |                        |                               |                            | 140                     |
| 130                 | 45                 | 150                     | 35.3                | 104.2                  | 5,000                         | 3,900                      | 37.4                | 102.7                  | 5,100                         | 4,000                      |                     |                        |                               |                            | 150                     |
| 130                 | 45                 | 160                     | 29.0                | 87.4                   | 4,400                         | 3,300                      |                     |                        |                               |                            |                     |                        |                               |                            | 160                     |
| 130                 | 60                 | 41.78                   | 80.0                | 193.8                  | 21,700 *                      | 21,700 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 41.78                   |
| 130                 | 60                 | 50                      | 77.5                | 191.9                  | 19,200 *                      | 19,200 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 50                      |
| 130                 | 60                 | 60                      | 74.4                | 189.1                  | 17,200 *                      | 17,200 *                   | 77.4                | 188.0                  | 13,500 *                      | 13,600 *                   |                     |                        |                               |                            | 60                      |
| 130                 | 60                 | 70                      | 71.2                | 185.7                  | 15,500 *                      | 15,400 *                   | 74.2                | 184.5                  | 12,100 *                      | 12,100 *                   | 77.0                | 181.6                  | 8,500 *                       | 8,500 *                    | 70                      |
| 130                 | 60                 | 80                      | 68.0                | 181.6                  | 13,800 *                      | 12,600 *                   | 71.0                | 180.5                  | 10,900 *                      | 10,900 *                   | 73.7                | 177.5                  | 7,800 *                       | 7,800 *                    | 80                      |
| 130                 | 60                 | 90                      | 64.7                | 176.9                  | 12,500 *                      | 10,500 *                   | 67.6                | 175.7                  | 9,900 *                       | 9,900 *                    | 70.3                | 172.6                  | 7,300 *                       | 7,300 *                    | 90                      |
| 130                 | 60                 | 100                     | 61.3                | 171.4                  | 10,700                        | 8,800                      | 64.2                | 170.2                  | 9,100 *                       | 9,100 *                    | 66.8                | 167.0                  | 6,800 *                       | 6,800 *                    | 100                     |
| 130                 | 60                 | 110                     | 57.8                | 165.1                  | 9,200                         | 7,500                      | 60.7                | 163.9                  | 8,400 *                       | 7,800 *                    | 63.2                | 160.6                  | 6,400 *                       | 6,400 *                    | 110                     |
| 130                 | 60                 | 120                     | 54.1                | 157.9                  | 7,900                         | 6,400                      | 57.0                | 156.7                  | 7,900 *                       | 6,700 *                    | 59.4                | 153.2                  | 6,000 *                       | 6,000 *                    | 120                     |
| 130                 | 60                 | 130                     | 50.3                | 149.7                  | 6,800                         | 5,500                      | 53.1                | 148.4                  | 7,100                         | 5,700                      | 55.5                | 144.7                  | 5,700 *                       | 5,700 *                    | 130                     |
| 130                 | 60                 | 140                     | 46.2                | 140.2                  | 5,900                         | 4,700                      | 48.9                | 138.8                  | 6,100                         | 4,900                      | 51.2                | 134.9                  | 5,500 *                       | 5,100 *                    | 140                     |
| 130                 | 60                 | 150                     | 41.8                | 129.2                  | 5,200                         | 4,000                      | 44.4                | 127.7                  | 5,300                         | 4,200                      | 46.6                | 123.4                  | 5,300 *                       | 4,300 *                    | 150                     |
| 130                 | 60                 | 160                     | 36.9                | 116.3                  | 4,500                         | 3,400                      | 39.5                | 114.6                  | 4,600                         | 3,500                      |                     |                        |                               |                            | 160                     |
| 130                 | 60                 | 170                     | 31.3                | 100.6                  | 3,900                         | 2,900                      |                     |                        |                               |                            |                     |                        |                               |                            | 170                     |
| 140                 | 30                 | 35.75                   | 80.0                | 174.9                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 35.75                   |
| 140                 | 30                 | 40                      | 78.6                | 174.0                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 40                      |
| 140                 | 30                 | 50                      | 75.1                | 171.5                  | 24,000 *                      | 24,000 *                   | 76.8                | 170.9                  | 24,000 *                      | 24,000 *                   | 78.3                | 169.2                  | 19,600 *                      | 19,600 *                   | 50                      |
| 140                 | 30                 | 60                      | 71.6                | 168.4                  | 22,100                        | 18,500                     | 73.3                | 167.7                  | 21,900 *                      | 18,900 *                   | 74.8                | 166.0                  | 18,000 *                      | 18,000 *                   | 60                      |
| 140                 | 30                 | 70                      | 68.1                | 164.5                  | 17,600                        | 14,900                     | 69.7                | 163.9                  | 18,000                        | 15,200                     | 71.2                | 162.1                  | 17,200 *                      | 15,500 *                   | 70                      |
| 140                 | 30                 | 80                      | 64.4                | 159.9                  | 14,600                        | 12,100                     | 66.0                | 159.3                  | 14,800                        | 12,400                     | 67.4                | 157.5                  | 15,100                        | 12,600                     | 80                      |
| 140                 | 30                 | 90                      | 60.6                | 154.5                  | 12,100                        | 10,000                     | 62.2                | 153.9                  | 12,300                        | 10,200                     | 63.6                | 152.0                  | 12,600                        | 10,400                     | 90                      |
| 140                 | 30                 | 100                     | 56.7                | 148.2                  | 10,200                        | 8,300                      | 58.2                | 147.5                  | 10,400                        | 8,500                      | 59.6                | 145.6                  | 10,600                        | 8,700                      | 100                     |
| 140                 | 30                 | 110                     | 52.6                | 140.9                  | 8,700                         | 7,000                      | 54.1                | 140.2                  | 8,800                         | 7,200                      | 55.4                | 138.1                  | 9,000                         | 7,300                      | 110                     |
| 140                 | 30                 | 120                     | 48.2                | 132.4                  | 7,400                         | 5,900                      | 49.7                | 131.6                  | 7,500                         | 6,000                      | 50.9                | 129.4                  | 7,600                         | 6,100                      | 120                     |
| 140                 | 30                 | 130                     | 43.5                | 122.4                  | 6,300                         | 5,000                      | 44.9                | 121.5                  | 6,400                         | 5,100                      | 46.1                | 119.1                  | 6,500                         | 5,200                      | 130                     |
| 140                 | 30                 | 140                     | 38.3                | 110.4                  | 5,400                         | 4,200                      | 39.7                | 109.5                  | 5,500                         | 4,300                      |                     |                        |                               |                            | 140                     |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttw

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length<br>(ft) | Jib Length<br>(ft) | Jib Load Radius<br>(ft) | Jib Angle to Boom   |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            | Jib Load Radius<br>(ft) |
|---------------------|--------------------|-------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|-------------------------|
|                     |                    |                         | 5 Degrees           |                        |                               |                            | 15 Degrees          |                        |                               |                            | 25 Degrees          |                        |                               |                            |                         |
|                     |                    |                         | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) |                         |
| 140                 | 30                 | 150                     | 32.4                | 95.9                   | 4,700                         | 3,500                      |                     |                        |                               |                            |                     |                        |                               |                            | 150                     |
| 140                 | 30                 | 160                     | 25.3                | 77.1                   | 4,000                         | 2,900                      |                     |                        |                               |                            |                     |                        |                               |                            | 160                     |
| 140                 | 45                 | 39.63                   | 80.0                | 189.1                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 39.63                   |
| 140                 | 45                 | 40                      | 79.9                | 189.0                  | 24,000 *                      | 24,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 40                      |
| 140                 | 45                 | 50                      | 76.7                | 186.7                  | 22,200 *                      | 22,200 *                   | 79.0                | 185.7                  | 18,400 *                      | 18,400 *                   |                     |                        |                               |                            | 50                      |
| 140                 | 45                 | 60                      | 73.6                | 183.8                  | 19,400 *                      | 18,700                     | 75.8                | 182.8                  | 17,200 *                      | 17,200 *                   | 78.0                | 180.3                  | 12,600 *                      | 12,600 *                   | 60                      |
| 140                 | 45                 | 70                      | 70.3                | 180.2                  | 17,200 *                      | 15,100                     | 72.6                | 179.2                  | 15,800 *                      | 15,600                     | 74.7                | 176.7                  | 11,600 *                      | 11,600 *                   | 70                      |
| 140                 | 45                 | 80                      | 67.0                | 176.0                  | 14,800                        | 12,300                     | 69.2                | 175.0                  | 14,400 *                      | 12,700                     | 71.3                | 172.5                  | 10,800 *                      | 10,800 *                   | 80                      |
| 140                 | 45                 | 90                      | 63.6                | 171.1                  | 12,300                        | 10,200                     | 65.8                | 170.1                  | 12,700                        | 10,600                     | 67.8                | 167.5                  | 10,100 *                      | 10,100 *                   | 90                      |
| 140                 | 45                 | 100                     | 60.1                | 165.4                  | 10,400                        | 8,500                      | 62.3                | 164.4                  | 10,700                        | 8,800                      | 64.2                | 161.7                  | 9,500 *                       | 9,100                      | 100                     |
| 140                 | 45                 | 110                     | 56.4                | 158.9                  | 8,800                         | 7,200                      | 58.6                | 157.8                  | 9,100                         | 7,400                      | 60.5                | 155.0                  | 9,000 *                       | 7,700                      | 110                     |
| 140                 | 45                 | 120                     | 52.6                | 151.4                  | 7,600                         | 6,100                      | 54.7                | 150.3                  | 7,800                         | 6,300                      | 56.6                | 147.3                  | 8,000                         | 6,500                      | 120                     |
| 140                 | 45                 | 130                     | 48.6                | 142.8                  | 6,500                         | 5,100                      | 50.7                | 141.6                  | 6,700                         | 5,300                      | 52.4                | 138.5                  | 6,900                         | 5,500                      | 130                     |
| 140                 | 45                 | 140                     | 44.3                | 132.8                  | 5,600                         | 4,300                      | 46.3                | 131.6                  | 5,800                         | 4,500                      | 47.9                | 128.2                  | 5,900                         | 4,600                      | 140                     |
| 140                 | 45                 | 150                     | 39.6                | 121.1                  | 4,800                         | 3,700                      | 41.5                | 119.8                  | 5,000                         | 3,800                      |                     |                        |                               |                            | 150                     |
| 140                 | 45                 | 160                     | 34.3                | 107.2                  | 4,200                         | 3,100                      | 36.2                | 105.6                  | 4,300                         | 3,200                      |                     |                        |                               |                            | 160                     |
| 140                 | 45                 | 170                     | 28.2                | 89.9                   | 3,600                         | 2,600                      |                     |                        |                               |                            |                     |                        |                               |                            | 170                     |
| 140                 | 60                 | 43.51                   | 80.0                | 203.7                  | 20,900 *                      | 20,900 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 43.51                   |
| 140                 | 60                 | 50                      | 78.1                | 202.2                  | 19,000 *                      | 19,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 50                      |
| 140                 | 60                 | 60                      | 75.2                | 199.5                  | 17,200 *                      | 17,200 *                   | 78.0                | 198.4                  | 13,900 *                      | 13,900 *                   |                     |                        |                               |                            | 60                      |
| 140                 | 60                 | 70                      | 72.2                | 196.3                  | 15,200 *                      | 15,200 *                   | 75.0                | 195.1                  | 12,400 *                      | 12,400 *                   | 77.7                | 192.2                  | 8,600 *                       | 8,600 *                    | 70                      |
| 140                 | 60                 | 80                      | 69.2                | 192.5                  | 13,600 *                      | 12,400                     | 72.0                | 191.3                  | 11,200 *                      | 11,200 *                   | 74.6                | 188.3                  | 8,000 *                       | 8,000 *                    | 80                      |
| 140                 | 60                 | 90                      | 66.1                | 188.0                  | 12,300 *                      | 10,300                     | 68.9                | 186.9                  | 10,300 *                      | 10,300 *                   | 71.4                | 183.7                  | 7,400 *                       | 7,400 *                    | 90                      |
| 140                 | 60                 | 100                     | 62.9                | 182.9                  | 10,500                        | 8,600                      | 65.6                | 181.7                  | 9,400 *                       | 9,000                      | 68.1                | 178.5                  | 6,900 *                       | 6,900 *                    | 100                     |
| 140                 | 60                 | 110                     | 59.6                | 177.0                  | 9,000                         | 7,300                      | 62.3                | 175.8                  | 8,700 *                       | 7,600                      | 64.8                | 172.5                  | 6,500 *                       | 6,500 *                    | 110                     |
| 140                 | 60                 | 120                     | 56.2                | 170.3                  | 7,700                         | 6,200                      | 58.9                | 169.1                  | 8,000                         | 6,500                      | 61.3                | 165.6                  | 6,200 *                       | 6,200 *                    | 120                     |
| 140                 | 60                 | 130                     | 52.7                | 162.7                  | 6,600                         | 5,200                      | 55.3                | 161.5                  | 6,900                         | 5,500                      | 57.6                | 157.8                  | 5,900 *                       | 5,700                      | 130                     |
| 140                 | 60                 | 140                     | 48.9                | 154.1                  | 5,700                         | 4,500                      | 51.5                | 152.8                  | 5,900                         | 4,700                      | 53.8                | 148.9                  | 5,600 *                       | 4,900                      | 140                     |
| 140                 | 60                 | 150                     | 44.9                | 144.2                  | 4,900                         | 3,800                      | 47.5                | 142.8                  | 5,100                         | 4,000                      | 49.6                | 138.6                  | 5,300                         | 4,100                      | 150                     |
| 140                 | 60                 | 160                     | 40.6                | 132.8                  | 4,300                         | 3,200                      | 43.1                | 131.2                  | 4,400                         | 3,400                      |                     |                        |                               |                            | 160                     |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom |                     |                            |                         |                  |                     |                            |                         |                  |                     |                            |                         | Jib Load Radius (ft) |
|------------------|-----------------|----------------------|-------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|----------------------|
|                  |                 |                      | 5 Degrees         |                     |                            |                         | 15 Degrees       |                     |                            |                         | 25 Degrees       |                     |                            |                         |                      |
|                  |                 |                      | Boom Angle (deg)  | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) |                      |
| 140              | 60              | 170                  | 35.9              | 119.4               | 3,700                      | 2,700                   | 38.3             | 117.6               | 3,800                      | 2,800                   |                  |                     |                            |                         | 170                  |
| 140              | 60              | 180                  | 30.5              | 103.2               | 3,200                      | 2,200                   |                  |                     |                            |                         |                  |                     |                            |                         | 180                  |
| 150              | 30              | 37.49                | 80.0              | 184.7               | 24,000                     | 24,000                  |                  |                     |                            |                         |                  |                     |                            |                         | 37.49                |
| 150              | 30              | 40                   | 79.2              | 184.2               | 24,000                     | 24,000                  |                  |                     |                            |                         |                  |                     |                            |                         | 40                   |
| 150              | 30              | 50                   | 76.0              | 181.9               | 24,000                     | 23,900                  | 77.5             | 181.2               | 23,700                     | 23,700                  | 79.0             | 179.6               | 19,900                     | 19,900                  | 50                   |
| 150              | 30              | 60                   | 72.7              | 178.9               | 21,900                     | 18,300                  | 74.2             | 178.3               | 21,300                     | 18,700                  | 75.7             | 176.6               | 18,400                     | 18,300                  | 60                   |
| 150              | 30              | 70                   | 69.3              | 175.3               | 17,400                     | 14,700                  | 70.9             | 174.7               | 17,800                     | 15,000                  | 72.3             | 172.9               | 17,000                     | 15,400                  | 70                   |
| 150              | 30              | 80                   | 65.9              | 171.0               | 14,400                     | 11,900                  | 67.4             | 170.4               | 14,700                     | 12,200                  | 68.8             | 168.6               | 14,900                     | 12,500                  | 80                   |
| 150              | 30              | 90                   | 62.4              | 166.0               | 11,900                     | 9,800                   | 63.9             | 165.3               | 12,200                     | 10,000                  | 65.2             | 163.5               | 12,400                     | 10,300                  | 90                   |
| 150              | 30              | 100                  | 58.8              | 160.2               | 10,000                     | 8,100                   | 60.2             | 159.5               | 10,200                     | 8,300                   | 61.5             | 157.6               | 10,400                     | 8,500                   | 100                  |
| 150              | 30              | 110                  | 55.0              | 153.4               | 8,400                      | 6,800                   | 56.4             | 152.7               | 8,600                      | 7,000                   | 57.7             | 150.7               | 8,800                      | 7,100                   | 110                  |
| 150              | 30              | 120                  | 51.0              | 145.7               | 7,200                      | 5,700                   | 52.4             | 144.9               | 7,300                      | 5,800                   | 53.6             | 142.8               | 7,500                      | 6,000                   | 120                  |
| 150              | 30              | 130                  | 46.7              | 136.7               | 6,100                      | 4,800                   | 48.1             | 135.9               | 6,300                      | 4,900                   | 49.3             | 133.6               | 6,400                      | 5,000                   | 130                  |
| 150              | 30              | 140                  | 42.2              | 126.2               | 5,200                      | 4,000                   | 43.5             | 125.3               | 5,300                      | 4,100                   |                  |                     |                            |                         | 140                  |
| 150              | 30              | 150                  | 37.2              | 113.8               | 4,500                      | 3,300                   | 38.5             | 112.8               | 4,600                      | 3,400                   |                  |                     |                            |                         | 150                  |
| 150              | 30              | 160                  | 31.5              | 98.7                | 3,800                      | 2,700                   |                  |                     |                            |                         |                  |                     |                            |                         | 160                  |
| 150              | 45              | 41.37                | 80.0              | 198.9               | 24,000                     | 24,000                  |                  |                     |                            |                         |                  |                     |                            |                         | 41.37                |
| 150              | 45              | 50                   | 77.4              | 197.0               | 21,600                     | 21,600                  | 79.6             | 196.0               | 18,800                     | 18,800                  |                  |                     |                            |                         | 50                   |
| 150              | 45              | 60                   | 74.4              | 194.2               | 19,100                     | 18,500                  | 76.6             | 193.2               | 17,200                     | 17,200                  | 78.6             | 190.8               | 12,800                     | 12,800                  | 60                   |
| 150              | 45              | 70                   | 71.4              | 190.9               | 17,000                     | 14,900                  | 73.5             | 189.9               | 15,600                     | 15,400                  | 75.5             | 187.4               | 11,800                     | 11,800                  | 70                   |
| 150              | 45              | 80                   | 68.2              | 186.9               | 14,600                     | 12,100                  | 70.4             | 185.9               | 14,200                     | 12,500                  | 72.3             | 183.4               | 11,000                     | 11,000                  | 80                   |
| 150              | 45              | 90                   | 65.0              | 182.3               | 12,100                     | 10,000                  | 67.2             | 181.3               | 12,500                     | 10,300                  | 69.1             | 178.7               | 10,300                     | 10,300                  | 90                   |
| 150              | 45              | 100                  | 61.8              | 177.0               | 10,200                     | 8,300                   | 63.8             | 176.0               | 10,500                     | 8,600                   | 65.7             | 173.3               | 9,700                      | 8,900                   | 100                  |
| 150              | 45              | 110                  | 58.4              | 170.9               | 8,600                      | 7,000                   | 60.4             | 169.9               | 8,900                      | 7,200                   | 62.2             | 167.1               | 9,200                      | 7,500                   | 110                  |
| 150              | 45              | 120                  | 54.8              | 164.0               | 7,400                      | 5,900                   | 56.9             | 162.9               | 7,600                      | 6,100                   | 58.6             | 160.0               | 7,800                      | 6,300                   | 120                  |
| 150              | 45              | 130                  | 51.1              | 156.1               | 6,300                      | 4,900                   | 53.1             | 155.0               | 6,500                      | 5,100                   | 54.8             | 151.9               | 6,700                      | 5,300                   | 130                  |
| 150              | 45              | 140                  | 47.2              | 147.1               | 5,400                      | 4,100                   | 49.2             | 145.9               | 5,600                      | 4,300                   | 50.8             | 142.6               | 5,700                      | 4,500                   | 140                  |
| 150              | 45              | 150                  | 43.0              | 136.7               | 4,600                      | 3,500                   | 45.0             | 135.4               | 4,800                      | 3,600                   | 46.5             | 131.9               | 4,900                      | 3,700                   | 150                  |
| 150              | 45              | 160                  | 38.5              | 124.5               | 3,900                      | 2,900                   | 40.3             | 123.1               | 4,100                      | 3,000                   |                  |                     |                            |                         | 160                  |
| 150              | 45              | 170                  | 33.4              | 110.1               | 3,400                      | 2,400                   |                  |                     |                            |                         |                  |                     |                            |                         | 170                  |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length<br>(ft) | Jib Length<br>(ft) | Jib Load Radius<br>(ft) | Jib Angle to Boom   |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            | Jib Load Radius<br>(ft) |
|---------------------|--------------------|-------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|-------------------------|
|                     |                    |                         | 5 Degrees           |                        |                               |                            | 15 Degrees          |                        |                               |                            | 25 Degrees          |                        |                               |                            |                         |
|                     |                    |                         | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) |                         |
| 150                 | 45                 | 180                     | 27.4                | 92.2                   | 2,800                         | 1,900                      |                     |                        |                               |                            |                     |                        |                               |                            | 180                     |
| 150                 | 60                 | 45.25                   | 80.0                | 213.5                  | 19,900                        | 19,900                     |                     |                        |                               |                            |                     |                        |                               |                            | 45.25                   |
| 150                 | 60                 | 50                      | 78.7                | 212.5                  | 18,700                        | 18,700                     |                     |                        |                               |                            |                     |                        |                               |                            | 50                      |
| 150                 | 60                 | 60                      | 75.9                | 209.9                  | 16,900                        | 16,900                     | 78.6                | 208.8                  | 14,200                        | 14,200                     |                     |                        |                               |                            | 60                      |
| 150                 | 60                 | 70                      | 73.1                | 206.9                  | 15,100                        | 15,100                     | 75.8                | 205.7                  | 12,700                        | 12,700                     | 78.3                | 202.7                  | 8,700                         | 8,700                      | 70                      |
| 150                 | 60                 | 80                      | 70.2                | 203.2                  | 13,500                        | 12,200                     | 72.9                | 202.1                  | 11,500                        | 11,600                     | 75.4                | 199.0                  | 8,100                         | 8,100                      | 80                      |
| 150                 | 60                 | 90                      | 67.3                | 199.0                  | 12,200                        | 10,100                     | 69.9                | 197.8                  | 10,600                        | 10,600                     | 72.4                | 194.7                  | 7,600                         | 7,600                      | 90                      |
| 150                 | 60                 | 100                     | 64.3                | 194.2                  | 10,300                        | 8,400                      | 66.9                | 193.0                  | 9,700                         | 8,900                      | 69.3                | 189.8                  | 7,100                         | 7,100                      | 100                     |
| 150                 | 60                 | 110                     | 61.2                | 188.7                  | 8,800                         | 7,100                      | 63.8                | 187.5                  | 9,000                         | 7,400                      | 66.2                | 184.1                  | 6,700                         | 6,700                      | 110                     |
| 150                 | 60                 | 120                     | 58.0                | 182.5                  | 7,500                         | 6,000                      | 60.6                | 181.2                  | 7,800                         | 6,300                      | 62.9                | 177.7                  | 6,300                         | 6,300                      | 120                     |
| 150                 | 60                 | 130                     | 54.7                | 175.4                  | 6,400                         | 5,000                      | 57.3                | 174.1                  | 6,700                         | 5,300                      | 59.5                | 170.5                  | 6,000                         | 5,600                      | 130                     |
| 150                 | 60                 | 140                     | 51.3                | 167.4                  | 5,500                         | 4,200                      | 53.8                | 166.1                  | 5,800                         | 4,500                      | 55.9                | 162.3                  | 5,700                         | 4,700                      | 140                     |
| 150                 | 60                 | 150                     | 47.6                | 158.4                  | 4,700                         | 3,600                      | 50.1                | 157.0                  | 4,900                         | 3,800                      | 52.2                | 153.0                  | 5,100                         | 4,000                      | 150                     |
| 150                 | 60                 | 160                     | 43.8                | 148.1                  | 4,100                         | 3,000                      | 46.2                | 146.6                  | 4,200                         | 3,200                      | 48.2                | 142.3                  | 4,400                         | 3,300                      | 160                     |
| 150                 | 60                 | 170                     | 39.6                | 136.3                  | 3,500                         | 2,500                      | 41.9                | 134.7                  | 3,600                         | 2,600                      |                     |                        |                               |                            | 170                     |
| 150                 | 60                 | 180                     | 35.0                | 122.4                  | 2,900                         | 2,000                      | 37.3                | 120.6                  | 3,100                         | 2,100                      |                     |                        |                               |                            | 180                     |
| 150                 | 60                 | 190                     | 29.7                | 105.7                  | 2,500                         | 1,600                      |                     |                        |                               |                            |                     |                        |                               |                            | 190                     |
| 160                 | 30                 | 39.22                   | 80.0                | 194.6                  | 24,000                        | 24,000                     |                     |                        |                               |                            |                     |                        |                               |                            | 39.22                   |
| 160                 | 30                 | 40                      | 79.8                | 194.4                  | 24,000                        | 24,000                     |                     |                        |                               |                            |                     |                        |                               |                            | 40                      |
| 160                 | 30                 | 50                      | 76.7                | 192.2                  | 24,000                        | 23,700                     | 78.2                | 191.5                  | 22,600                        | 22,600                     | 79.6                | 189.9                  | 20,000                        | 20,000                     | 50                      |
| 160                 | 30                 | 60                      | 73.6                | 189.4                  | 21,700                        | 18,100                     | 75.1                | 188.8                  | 20,400                        | 18,600                     | 76.4                | 187.1                  | 18,500                        | 18,500                     | 60                      |
| 160                 | 30                 | 70                      | 70.5                | 186.0                  | 17,200                        | 14,500                     | 71.9                | 185.4                  | 17,600                        | 14,900                     | 73.3                | 183.6                  | 16,900                        | 15,200                     | 70                      |
| 160                 | 30                 | 80                      | 67.2                | 182.0                  | 14,200                        | 11,700                     | 68.7                | 181.3                  | 14,500                        | 12,000                     | 70.0                | 179.5                  | 14,800                        | 12,300                     | 80                      |
| 160                 | 30                 | 90                      | 64.0                | 177.3                  | 11,700                        | 9,600                      | 65.4                | 176.6                  | 12,000                        | 9,900                      | 66.7                | 174.8                  | 12,200                        | 10,100                     | 90                      |
| 160                 | 30                 | 100                     | 60.6                | 171.9                  | 9,800                         | 7,900                      | 62.0                | 171.2                  | 10,000                        | 8,100                      | 63.2                | 169.3                  | 10,200                        | 8,400                      | 100                     |
| 160                 | 30                 | 110                     | 57.0                | 165.6                  | 8,200                         | 6,600                      | 58.4                | 164.9                  | 8,400                         | 6,800                      | 59.6                | 162.9                  | 8,600                         | 6,900                      | 110                     |
| 160                 | 30                 | 120                     | 53.4                | 158.5                  | 7,000                         | 5,500                      | 54.7                | 157.7                  | 7,100                         | 5,600                      | 55.9                | 155.6                  | 7,300                         | 5,800                      | 120                     |
| 160                 | 30                 | 130                     | 49.5                | 150.3                  | 5,900                         | 4,600                      | 50.9                | 149.5                  | 6,100                         | 4,700                      | 52.0                | 147.3                  | 6,200                         | 4,800                      | 130                     |
| 160                 | 30                 | 140                     | 45.4                | 140.8                  | 5,000                         | 3,800                      | 46.7                | 140.0                  | 5,100                         | 3,900                      | 47.8                | 137.6                  | 5,200                         | 4,000                      | 140                     |
| 160                 | 30                 | 150                     | 41.0                | 129.9                  | 4,300                         | 3,100                      | 42.3                | 129.0                  | 4,400                         | 3,200                      |                     |                        |                               |                            | 150                     |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom |                     |                            |                         |                  |                     |                            |                         |                  |                     |                            |                         | Jib Load Radius (ft) |
|------------------|-----------------|----------------------|-------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|----------------------|
|                  |                 |                      | 5 Degrees         |                     |                            |                         | 15 Degrees       |                     |                            |                         | 25 Degrees       |                     |                            |                         |                      |
|                  |                 |                      | Boom Angle (deg)  | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) |                      |
| 160              | 30              | 160                  | 36.1              | 117.0               | 3,600                      | 2,500                   | 37.4             | 115.9               | 3,700                      | 2,600                   |                  |                     |                            |                         | 160                  |
| 160              | 30              | 170                  | 30.6              | 101.4               | 3,000                      | 2,000                   |                  |                     |                            |                         |                  |                     |                            |                         | 170                  |
| 160              | 45              | 43.1                 | 80.0              | 208.8               | 21,800 *                   | 21,800 *                |                  |                     |                            |                         |                  |                     |                            |                         | 43.1                 |
| 160              | 45              | 50                   | 78.0              | 207.3               | 20,800 *                   | 20,800 *                |                  |                     |                            |                         |                  |                     |                            |                         | 50                   |
| 160              | 45              | 60                   | 75.2              | 204.7               | 18,500 *                   | 18,300 *                | 77.3             | 203.6               | 16,700 *                   | 16,700 *                | 79.2             | 201.2               | 13,000 *                   | 13,000 *                | 60                   |
| 160              | 45              | 70                   | 72.3              | 201.5               | 17,000 *                   | 14,700 *                | 74.3             | 200.5               | 15,200 *                   | 15,200 *                | 76.3             | 198.0               | 12,000 *                   | 12,000 *                | 70                   |
| 160              | 45              | 80                   | 69.3              | 197.8               | 14,400                     | 11,900                  | 71.4             | 196.7               | 13,900 *                   | 12,400                  | 73.3             | 194.2               | 11,200 *                   | 11,200 *                | 80                   |
| 160              | 45              | 90                   | 66.3              | 193.4               | 11,900                     | 9,800                   | 68.4             | 192.4               | 12,300                     | 10,200                  | 70.2             | 189.8               | 10,500 *                   | 10,500 *                | 90                   |
| 160              | 45              | 100                  | 63.2              | 188.4               | 10,000                     | 8,100                   | 65.2             | 187.4               | 10,300                     | 8,400                   | 67.0             | 184.7               | 9,900 *                    | 8,700                   | 100                  |
| 160              | 45              | 110                  | 60.1              | 182.7               | 8,400                      | 6,800                   | 62.0             | 181.7               | 8,700                      | 7,000                   | 63.8             | 178.9               | 9,000                      | 7,300                   | 110                  |
| 160              | 45              | 120                  | 56.8              | 176.3               | 7,100                      | 5,600                   | 58.7             | 175.2               | 7,400                      | 5,900                   | 60.4             | 172.3               | 7,600                      | 6,100                   | 120                  |
| 160              | 45              | 130                  | 53.4              | 169.0               | 6,100                      | 4,700                   | 55.3             | 167.9               | 6,300                      | 4,900                   | 56.9             | 164.8               | 6,500                      | 5,100                   | 130                  |
| 160              | 45              | 140                  | 49.8              | 160.7               | 5,200                      | 3,900                   | 51.7             | 159.5               | 5,400                      | 4,100                   | 53.3             | 156.3               | 5,500                      | 4,300                   | 140                  |
| 160              | 45              | 150                  | 46.0              | 151.2               | 4,400                      | 3,200                   | 47.8             | 150.0               | 4,600                      | 3,400                   | 49.3             | 146.6               | 4,700                      | 3,600                   | 150                  |
| 160              | 45              | 160                  | 41.9              | 140.4               | 3,700                      | 2,700                   | 43.7             | 139.1               | 3,900                      | 2,800                   |                  |                     |                            |                         | 160                  |
| 160              | 45              | 170                  | 37.5              | 127.9               | 3,100                      | 2,100                   | 39.2             | 126.4               | 3,300                      | 2,300                   |                  |                     |                            |                         | 170                  |
| 160              | 45              | 180                  | 32.5              | 112.9               | 2,600                      | 1,700                   |                  |                     |                            |                         |                  |                     |                            |                         | 180                  |
| 160              | 45              | 190                  | 26.7              | 94.5                | 2,200                      |                         |                  |                     |                            |                         |                  |                     |                            |                         | 190                  |
| 160              | 60              | 46.99                | 80.0              | 223.4               | 18,100 *                   | 18,100 *                |                  |                     |                            |                         |                  |                     |                            |                         | 46.99                |
| 160              | 60              | 50                   | 79.2              | 222.7               | 17,900 *                   | 17,900 *                |                  |                     |                            |                         |                  |                     |                            |                         | 50                   |
| 160              | 60              | 60                   | 76.6              | 220.3               | 16,400 *                   | 16,400 *                | 79.1             | 219.1               | 14,100 *                   | 14,100 *                |                  |                     |                            |                         | 60                   |
| 160              | 60              | 70                   | 73.9              | 217.4               | 14,700 *                   | 14,700 *                | 76.4             | 216.2               | 13,000 *                   | 13,000 *                | 78.9             | 213.1               | 8,900 *                    | 8,900 *                 | 70                   |
| 160              | 60              | 80                   | 71.1              | 213.9               | 13,300 *                   | 12,100                  | 73.7             | 212.7               | 11,800 *                   | 11,800 *                | 76.1             | 209.6               | 8,200 *                    | 8,200 *                 | 80                   |
| 160              | 60              | 90                   | 68.4              | 209.9               | 12,100                     | 9,900                   | 70.9             | 208.7               | 10,800 *                   | 10,400                  | 73.2             | 205.6               | 7,700 *                    | 7,700 *                 | 90                   |
| 160              | 60              | 100                  | 65.5              | 205.4               | 10,100                     | 8,200                   | 68.0             | 204.2               | 10,000 *                   | 8,700                   | 70.4             | 200.9               | 7,200 *                    | 7,200 *                 | 100                  |
| 160              | 60              | 110                  | 62.6              | 200.2               | 8,600                      | 6,900                   | 65.1             | 199.0               | 8,900                      | 7,300                   | 67.4             | 195.6               | 6,800 *                    | 6,800 *                 | 110                  |
| 160              | 60              | 120                  | 59.6              | 194.3               | 7,300                      | 5,800                   | 62.1             | 193.1               | 7,600                      | 6,100                   | 64.3             | 189.6               | 6,500 *                    | 6,400                   | 120                  |
| 160              | 60              | 130                  | 56.6              | 187.7               | 6,200                      | 4,800                   | 59.0             | 186.5               | 6,500                      | 5,100                   | 61.2             | 182.9               | 6,100 *                    | 5,400                   | 130                  |
| 160              | 60              | 140                  | 53.4              | 180.3               | 5,300                      | 4,000                   | 55.8             | 179.0               | 5,600                      | 4,300                   | 57.9             | 175.3               | 5,800                      | 4,500                   | 140                  |
| 160              | 60              | 150                  | 50.0              | 172.0               | 4,500                      | 3,400                   | 52.4             | 170.6               | 4,800                      | 3,600                   | 54.4             | 166.7               | 5,000                      | 3,800                   | 150                  |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom |                     |                            |                         |                  |                     |                            |                         |                  |                     |                            |                         | Jib Load Radius (ft) |
|------------------|-----------------|----------------------|-------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|------------------|---------------------|----------------------------|-------------------------|----------------------|
|                  |                 |                      | 5 Degrees         |                     |                            |                         | 15 Degrees       |                     |                            |                         | 25 Degrees       |                     |                            |                         |                      |
|                  |                 |                      | Boom Angle (deg)  | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) | Boom Angle (deg) | Jib Pt. Height (ft) | Overend Jib Capacity (lbs) | 360° Jib Capacity (lbs) |                      |
| 160              | 60              | 160                  | 46.5              | 162.6               | 3,800                      | 2,800                   | 48.8             | 161.2               | 4,000                      | 3,000                   | 50.7             | 157.0               | 4,200                      | 3,100                   | 160                  |
| 160              | 60              | 170                  | 42.7              | 152.0               | 3,300                      | 2,200                   | 45.0             | 150.4               | 3,400                      | 2,400                   | 46.8             | 145.9               | 3,600                      | 2,500                   | 170                  |
| 160              | 60              | 180                  | 38.6              | 139.7               | 2,700                      | 1,800                   | 40.9             | 138.0               | 2,900                      | 1,900                   |                  |                     |                            |                         | 180                  |
| 160              | 60              | 190                  | 34.1              | 125.4               | 2,300                      |                         | 36.3             | 123.4               | 2,400                      | 1,500                   |                  |                     |                            |                         | 190                  |
| 160              | 60              | 200                  | 29.0              | 108.2               | 1,900                      |                         |                  |                     |                            |                         |                  |                     |                            |                         | 200                  |
| 170              | 30              | 40.96                | 80.0              | 204.4               | 22,500 *                   | 22,500 *                |                  |                     |                            |                         |                  |                     |                            |                         | 40.96                |
| 170              | 30              | 50                   | 77.4              | 202.5               | 21,500 *                   | 21,500 *                | 78.8             | 201.8               | 20,200 *                   | 20,200 *                |                  |                     |                            |                         | 50                   |
| 170              | 30              | 60                   | 74.4              | 199.9               | 20,600 *                   | 17,900                  | 75.9             | 199.2               | 19,200 *                   | 18,400                  | 77.1             | 197.5               | 16,300 *                   | 16,300 *                | 60                   |
| 170              | 30              | 70                   | 71.5              | 196.6               | 16,900 *                   | 14,300                  | 72.9             | 196.0               | 17,400                     | 14,700                  | 74.1             | 194.2               | 15,700 *                   | 15,100                  | 70                   |
| 170              | 30              | 80                   | 68.4              | 192.8               | 14,000                     | 11,500                  | 69.8             | 192.2               | 14,300                     | 11,800                  | 71.1             | 190.4               | 14,600                     | 12,100                  | 80                   |
| 170              | 30              | 90                   | 65.3              | 188.4               | 11,500                     | 9,400                   | 66.7             | 187.7               | 11,800                     | 9,700                   | 67.9             | 185.9               | 12,100                     | 9,900                   | 90                   |
| 170              | 30              | 100                  | 62.2              | 183.3               | 9,600                      | 7,700                   | 63.5             | 182.6               | 9,800                      | 8,000                   | 64.7             | 180.8               | 10,100                     | 8,200                   | 100                  |
| 170              | 30              | 110                  | 58.9              | 177.5               | 8,000                      | 6,400                   | 60.2             | 176.8               | 8,300                      | 6,600                   | 61.4             | 174.8               | 8,400                      | 6,800                   | 110                  |
| 170              | 30              | 120                  | 55.5              | 170.9               | 6,800                      | 5,300                   | 56.8             | 170.1               | 7,000                      | 5,500                   | 57.9             | 168.1               | 7,100                      | 5,600                   | 120                  |
| 170              | 30              | 130                  | 51.9              | 163.3               | 5,700                      | 4,400                   | 53.2             | 162.6               | 5,900                      | 4,500                   | 54.3             | 160.4               | 6,000                      | 4,600                   | 130                  |
| 170              | 30              | 140                  | 48.2              | 154.7               | 4,800                      | 3,600                   | 49.5             | 153.9               | 5,000                      | 3,700                   | 50.5             | 151.6               | 5,100                      | 3,800                   | 140                  |
| 170              | 30              | 150                  | 44.2              | 144.9               | 4,100                      | 2,900                   | 45.4             | 144.0               | 4,200                      | 3,000                   | 46.4             | 141.6               | 4,300                      | 3,100                   | 150                  |
| 170              | 30              | 160                  | 39.9              | 133.5               | 3,400                      | 2,300                   | 41.1             | 132.5               | 3,500                      | 2,400                   |                  |                     |                            |                         | 160                  |
| 170              | 30              | 170                  | 35.2              | 120.1               | 2,800                      | 1,800                   | 36.3             | 119.0               | 2,900                      | 1,900                   |                  |                     |                            |                         | 170                  |
| 170              | 30              | 180                  | 29.8              | 104.0               | 2,300                      |                         |                  |                     |                            |                         |                  |                     |                            |                         | 180                  |
| 170              | 45              | 44.84                | 80.0              | 218.6               | 19,300 *                   | 19,300 *                |                  |                     |                            |                         |                  |                     |                            |                         | 44.84                |
| 170              | 45              | 50                   | 78.6              | 217.6               | 18,800 *                   | 18,800 *                |                  |                     |                            |                         |                  |                     |                            |                         | 50                   |
| 170              | 45              | 60                   | 75.9              | 215.1               | 17,700 *                   | 17,700 *                | 77.9             | 214.0               | 15,400 *                   | 15,400 *                | 79.7             | 211.5               | 12,900 *                   | 12,900 *                | 60                   |
| 170              | 45              | 70                   | 73.1              | 212.0               | 16,300 *                   | 14,600                  | 75.1             | 211.0               | 14,600 *                   | 14,600 *                | 76.9             | 208.5               | 12,200 *                   | 12,200 *                | 70                   |
| 170              | 45              | 80                   | 70.3              | 208.5               | 14,200                     | 11,700                  | 72.3             | 207.5               | 13,400 *                   | 12,200                  | 74.1             | 204.9               | 11,400 *                   | 11,400 *                | 80                   |
| 170              | 45              | 90                   | 67.5              | 204.4               | 11,700                     | 9,600                   | 69.4             | 203.3               | 12,100                     | 10,000                  | 71.2             | 200.7               | 10,700 *                   | 10,400                  | 90                   |
| 170              | 45              | 100                  | 64.6              | 199.7               | 9,800                      | 7,900                   | 66.5             | 198.6               | 10,100                     | 8,300                   | 68.2             | 195.9               | 10,100 *                   | 8,600                   | 100                  |
| 170              | 45              | 110                  | 61.6              | 194.3               | 8,200                      | 6,500                   | 63.5             | 193.3               | 8,500                      | 6,900                   | 65.2             | 190.5               | 8,800                      | 7,100                   | 110                  |
| 170              | 45              | 120                  | 58.5              | 188.3               | 6,900                      | 5,400                   | 60.4             | 187.2               | 7,200                      | 5,700                   | 62.0             | 184.3               | 7,500                      | 6,000                   | 120                  |
| 170              | 45              | 130                  | 55.3              | 181.5               | 5,900                      | 4,500                   | 57.2             | 180.4               | 6,100                      | 4,700                   | 58.8             | 177.4               | 6,300                      | 5,000                   | 130                  |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length<br>(ft) | Jib Length<br>(ft) | Jib Load Radius<br>(ft) | Jib Angle to Boom   |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            | Jib Load Radius<br>(ft) |
|---------------------|--------------------|-------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|-------------------------|
|                     |                    |                         | 5 Degree            |                        |                               |                            | 15 Degrees          |                        |                               |                            | 25 Degrees          |                        |                               |                            |                         |
|                     |                    |                         | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) |                         |
| 170                 | 45                 | 140                     | 52.0                | 173.8                  | 5,000                         | 3,700                      | 53.8                | 172.6                  | 5,200                         | 3,900                      | 55.4                | 169.5                  | 5,400                         | 4,100                      | 140                     |
| 170                 | 45                 | 150                     | 48.5                | 165.1                  | 4,200                         | 3,000                      | 50.3                | 163.9                  | 4,400                         | 3,200                      | 51.8                | 160.6                  | 4,500                         | 3,400                      | 150                     |
| 170                 | 45                 | 160                     | 44.8                | 155.3                  | 3,500                         | 2,400                      | 46.6                | 154.0                  | 3,700                         | 2,600                      | 48.0                | 150.6                  | 3,800                         | 2,700                      | 160                     |
| 170                 | 45                 | 170                     | 40.9                | 144.1                  | 2,900                         | 1,900                      | 42.6                | 142.7                  | 3,100                         | 2,100                      |                     |                        |                               |                            | 170                     |
| 170                 | 45                 | 180                     | 36.6                | 131.1                  | 2,400                         | 1,500                      | 38.2                | 129.6                  | 2,500                         | 1,600                      |                     |                        |                               |                            | 180                     |
| 170                 | 45                 | 190                     | 31.7                | 115.7                  | 2,000                         |                            |                     |                        |                               |                            |                     |                        |                               |                            | 190                     |
| 170                 | 60                 | 48.72                   | 80.0                | 233.2                  | 15,600 *                      | 15,600 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 48.72                   |
| 170                 | 60                 | 50                      | 79.7                | 232.9                  | 15,500 *                      | 15,500 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 50                      |
| 170                 | 60                 | 60                      | 77.1                | 230.6                  | 14,900 *                      | 14,900 *                   | 79.6                | 229.4                  | 12,800 *                      | 12,800 *                   |                     |                        |                               |                            | 60                      |
| 170                 | 80                 | 70                      | 74.6                | 227.8                  | 14,200 *                      | 14,200 *                   | 77.1                | 226.6                  | 12,400 *                      | 12,400 *                   | 79.4                | 223.5                  | 9,000 *                       | 9,000 *                    | 70                      |
| 170                 | 60                 | 80                      | 72.0                | 224.6                  | 12,900 *                      | 11,900 *                   | 74.4                | 223.3                  | 11,500 *                      | 11,500 *                   | 76.7                | 220.2                  | 8,400 *                       | 8,400 *                    | 80                      |
| 170                 | 60                 | 90                      | 69.4                | 220.8                  | 11,800 *                      | 9,700 *                    | 71.8                | 219.6                  | 10,600 *                      | 10,300 *                   | 74.0                | 216.4                  | 7,800 *                       | 7,800 *                    | 90                      |
| 170                 | 60                 | 100                     | 66.7                | 216.4                  | 9,900 *                       | 8,000 *                    | 69.1                | 215.2                  | 9,800 *                       | 8,500 *                    | 71.3                | 211.9                  | 7,400 *                       | 7,400 *                    | 100                     |
| 170                 | 60                 | 110                     | 63.9                | 211.5                  | 8,300 *                       | 6,700 *                    | 66.3                | 210.3                  | 8,800 *                       | 7,100 *                    | 68.5                | 206.9                  | 6,900 *                       | 7,000 *                    | 110                     |
| 170                 | 60                 | 120                     | 61.1                | 206.0                  | 7,100 *                       | 5,600 *                    | 63.5                | 204.8                  | 7,400 *                       | 5,900 *                    | 65.6                | 201.3                  | 6,600 *                       | 6,300 *                    | 120                     |
| 170                 | 60                 | 130                     | 58.2                | 199.8                  | 6,000 *                       | 4,600 *                    | 60.5                | 198.5                  | 6,300 *                       | 4,900 *                    | 62.6                | 195.0                  | 6,300 *                       | 5,200 *                    | 130                     |
| 170                 | 60                 | 140                     | 55.2                | 192.9                  | 5,100 *                       | 3,800 *                    | 57.5                | 191.6                  | 5,400 *                       | 4,100 *                    | 59.5                | 187.9                  | 5,600 *                       | 4,400 *                    | 140                     |
| 170                 | 60                 | 150                     | 52.1                | 185.1                  | 4,300 *                       | 3,100 *                    | 54.4                | 183.8                  | 4,600 *                       | 3,400 *                    | 56.3                | 179.9                  | 4,800 *                       | 3,600 *                    | 150                     |
| 170                 | 60                 | 160                     | 48.8                | 176.5                  | 3,600 *                       | 2,500 *                    | 51.1                | 175.0                  | 3,900 *                       | 2,800 *                    | 53.0                | 171.0                  | 4,100 *                       | 3,000 *                    | 160                     |
| 170                 | 60                 | 170                     | 45.4                | 166.7                  | 3,000 *                       | 2,000 *                    | 47.6                | 165.2                  | 3,200 *                       | 2,200 *                    | 49.4                | 160.9                  | 3,400 *                       | 2,400 *                    | 170                     |
| 170                 | 60                 | 180                     | 41.7                | 155.7                  | 2,500 *                       | 1,600 *                    | 43.9                | 154.0                  | 2,700 *                       | 1,700 *                    | 45.6                | 149.4                  | 2,800 *                       | 1,900 *                    | 180                     |
| 170                 | 60                 | 190                     | 37.7                | 143.0                  | 2,100 *                       |                            | 39.8                | 141.2                  | 2,200 *                       |                            |                     |                        |                               |                            | 190                     |
| 170                 | 60                 | 200                     | 33.3                | 128.3                  | 1,600 *                       |                            | 35.4                | 126.3                  | 1,800 *                       |                            |                     |                        |                               |                            | 200                     |
| 180                 | 30                 | 42.69                   | 80.0                | 214.3                  | 19,800 *                      | 19,800 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 42.69                   |
| 180                 | 30                 | 50                      | 78.0                | 212.8                  | 19,100 *                      | 19,100 *                   | 79.3                | 212.1                  | 18,000 *                      | 18,000 *                   |                     |                        |                               |                            | 50                      |
| 180                 | 30                 | 60                      | 75.2                | 210.2                  | 18,200 *                      | 17,700 *                   | 76.5                | 209.6                  | 17,100 *                      | 17,100 *                   | 77.8                | 207.9                  | 14,600 *                      | 14,600 *                   | 60                      |
| 180                 | 30                 | 70                      | 72.4                | 207.2                  | 16,500 *                      | 14,100 *                   | 73.7                | 206.5                  | 15,500 *                      | 14,500 *                   | 74.9                | 204.8                  | 14,000 *                      | 14,000 *                   | 70                      |
| 180                 | 30                 | 80                      | 69.5                | 203.6                  | 13,800 *                      | 11,300 *                   | 70.8                | 202.9                  | 14,100 *                      | 11,700 *                   | 72.0                | 201.2                  | 13,400 *                      | 12,000 *                   | 80                      |
| 180                 | 30                 | 90                      | 66.6                | 199.4                  | 11,300 *                      | 9,200 *                    | 67.9                | 198.8                  | 11,600 *                      | 9,500 *                    | 69.1                | 196.9                  | 11,900 *                      | 9,700 *                    | 90                      |
| 180                 | 30                 | 100                     | 63.6                | 194.6                  | 9,400 *                       | 7,500 *                    | 64.9                | 194.0                  | 9,600 *                       | 7,800 *                    | 66.0                | 192.1                  | 9,900 *                       | 8,000 *                    | 100                     |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length<br>(ft) | Jib Length<br>(ft) | Jib Load Radius<br>(ft) | Jib Angle to Boom   |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            | Jib Load Radius<br>(ft) |
|---------------------|--------------------|-------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|-------------------------|
|                     |                    |                         | 5 Degrees           |                        |                               |                            | 15 Degrees          |                        |                               |                            | 25 Degrees          |                        |                               |                            |                         |
|                     |                    |                         | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) |                         |
| 180                 | 30                 | 110                     | 60.5                | 189.2                  | 7,800                         | 6,200                      | 61.8                | 188.5                  | 8,100                         | 6,400                      | 62.9                | 186.5                  | 8,300                         | 6,600                      | 110                     |
| 180                 | 30                 | 120                     | 57.3                | 183.0                  | 6,600                         | 5,100                      | 58.6                | 182.3                  | 6,800                         | 5,300                      | 59.7                | 180.2                  | 6,900                         | 5,400                      | 120                     |
| 180                 | 30                 | 130                     | 54.0                | 176.0                  | 5,500                         | 4,100                      | 55.3                | 175.2                  | 5,700                         | 4,300                      | 56.3                | 173.1                  | 5,800                         | 4,500                      | 130                     |
| 180                 | 30                 | 140                     | 50.6                | 168.0                  | 4,600                         | 3,400                      | 51.8                | 167.3                  | 4,800                         | 3,500                      | 52.8                | 165.1                  | 4,900                         | 3,600                      | 140                     |
| 180                 | 30                 | 150                     | 47.0                | 159.1                  | 3,800                         | 2,700                      | 48.1                | 158.2                  | 4,000                         | 2,800                      | 49.1                | 155.9                  | 4,100                         | 2,900                      | 150                     |
| 180                 | 30                 | 160                     | 43.1                | 148.8                  | 3,200                         | 2,100                      | 44.3                | 147.9                  | 3,300                         | 2,200                      | 45.1                | 145.4                  | 3,400                         | 2,300                      | 160                     |
| 180                 | 30                 | 170                     | 38.9                | 137.0                  | 2,600                         | 1,600                      | 40.0                | 136.0                  | 2,700                         | 1,700                      |                     |                        |                               |                            | 170                     |
| 180                 | 30                 | 180                     | 34.3                | 123.2                  | 2,100                         |                            | 35.4                | 122.1                  | 2,100                         |                            |                     |                        |                               |                            | 180                     |
| 180                 | 45                 | 46.58                   | 80.0                | 228.5                  | 16,200 *                      | 16,200 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 46.58                   |
| 180                 | 45                 | 50                      | 79.1                | 227.8                  | 16,000 *                      | 16,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 50                      |
| 180                 | 45                 | 60                      | 76.5                | 225.4                  | 15,300 *                      | 15,300 *                   | 78.4                | 224.3                  | 13,800 *                      | 13,800 *                   |                     |                        |                               |                            | 60                      |
| 180                 | 45                 | 70                      | 73.9                | 222.5                  | 14,600 *                      | 14,300 *                   | 75.8                | 221.5                  | 13,300 *                      | 13,300 *                   | 77.5                | 218.9                  | 11,300 *                      | 11,300 *                   | 70                      |
| 180                 | 45                 | 80                      | 71.2                | 219.2                  | 14,000 *                      | 11,500 *                   | 73.1                | 218.1                  | 12,700 *                      | 12,000 *                   | 74.8                | 215.5                  | 10,800 *                      | 10,800 *                   | 80                      |
| 180                 | 45                 | 90                      | 68.5                | 215.3                  | 11,500                        | 9,400                      | 70.4                | 214.2                  | 11,900 *                      | 9,800                      | 72.1                | 211.6                  | 10,500 *                      | 10,200 *                   | 90                      |
| 180                 | 45                 | 100                     | 65.8                | 210.8                  | 9,600                         | 7,700                      | 67.6                | 209.7                  | 10,000                        | 8,100                      | 69.3                | 207.0                  | 10,100 *                      | 8,400                      | 100                     |
| 180                 | 45                 | 110                     | 63.0                | 205.8                  | 8,000                         | 6,300                      | 64.8                | 204.7                  | 8,400                         | 6,700                      | 66.4                | 201.9                  | 8,700                         | 7,000                      | 110                     |
| 180                 | 45                 | 120                     | 60.1                | 200.1                  | 6,700                         | 5,200                      | 61.9                | 199.0                  | 7,000                         | 5,500                      | 63.4                | 196.1                  | 7,300                         | 5,800                      | 120                     |
| 180                 | 45                 | 130                     | 57.1                | 193.7                  | 5,700                         | 4,300                      | 58.9                | 192.6                  | 5,900                         | 4,600                      | 60.4                | 189.6                  | 6,200                         | 4,800                      | 130                     |
| 180                 | 45                 | 140                     | 54.0                | 186.5                  | 4,800                         | 3,500                      | 55.7                | 185.4                  | 5,000                         | 3,700                      | 57.2                | 182.3                  | 5,200                         | 3,900                      | 140                     |
| 180                 | 45                 | 150                     | 50.7                | 178.5                  | 4,000                         | 2,800                      | 52.5                | 177.3                  | 4,200                         | 3,000                      | 53.9                | 174.1                  | 4,400                         | 3,200                      | 150                     |
| 180                 | 45                 | 160                     | 47.4                | 169.4                  | 3,300                         | 2,200                      | 49.1                | 168.2                  | 3,500                         | 2,400                      | 50.4                | 164.8                  | 3,600                         | 2,600                      | 160                     |
| 180                 | 45                 | 170                     | 43.8                | 159.3                  | 2,700                         | 1,700                      | 45.4                | 157.9                  | 2,900                         | 1,900                      | 46.7                | 154.4                  | 3,000                         | 2,000                      | 170                     |
| 180                 | 45                 | 180                     | 39.9                | 147.6                  | 2,200                         |                            | 41.5                | 146.2                  | 2,300                         |                            |                     |                        |                               |                            | 180                     |
| 180                 | 45                 | 190                     | 35.7                | 134.2                  | 1,700                         |                            | 37.3                | 132.7                  | 1,900                         |                            |                     |                        |                               |                            | 190                     |
| 180                 | 60                 | 50.46                   | 80.0                | 243.1                  | 14,000 *                      | 14,000 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 50.46                   |
| 180                 | 60                 | 60                      | 77.7                | 240.9                  | 13,400 *                      | 13,400 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 60                      |
| 180                 | 60                 | 70                      | 75.2                | 238.3                  | 12,900 *                      | 12,900 *                   | 77.6                | 237.0                  | 11,200 *                      | 11,200 *                   | 79.8                | 233.9                  | 9,000 *                       | 9,000 *                    | 70                      |
| 180                 | 60                 | 80                      | 72.8                | 235.1                  | 12,300 *                      | 11,700 *                   | 75.1                | 233.9                  | 10,800 *                      | 10,800 *                   | 77.3                | 230.7                  | 8,500 *                       | 8,500 *                    | 80                      |
| 180                 | 60                 | 90                      | 70.2                | 231.5                  | 11,300 *                      | 9,500                      | 72.6                | 230.3                  | 10,200 *                      | 10,100                     | 74.7                | 227.1                  | 7,900 *                       | 7,900 *                    | 90                      |
| 180                 | 60                 | 100                     | 67.7                | 227.4                  | 9,700                         | 7,800                      | 70.0                | 226.2                  | 9,400 *                       | 8,300                      | 72.1                | 222.9                  | 7,500 *                       | 7,500 *                    | 100                     |

# STERLING CRANE

## LS-138H II - w/ 44" x 54" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt

Refer to all notes on the cover page of the jib capacity book before operating the machine.

| Boom Length<br>(ft) | Jib Length<br>(ft) | Jib Load Radius<br>(ft) | Jib Angle to Boom   |                        |                               |                            |                     |                        |                               |                            |                     |                        |                               |                            | Jib Load Radius<br>(ft) |
|---------------------|--------------------|-------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|---------------------|------------------------|-------------------------------|----------------------------|-------------------------|
|                     |                    |                         | 5 Degree            |                        |                               |                            | 15 Degrees          |                        |                               |                            | 25 Degrees          |                        |                               |                            |                         |
|                     |                    |                         | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) | Boom Angle<br>(deg) | Jib Pt. Height<br>(ft) | Overend Jib Capacity<br>(lbs) | 360° Jib Capacity<br>(lbs) |                         |
| 180                 | 60                 | 110                     | 65.1                | 222.7                  | 8,100                         | 6,500                      | 67.4                | 221.5                  | 8,600                         | 6,900                      | 69.5                | 218.1                  | 7,100 *                       | 7,100 *                    | 110                     |
| 180                 | 60                 | 120                     | 62.4                | 217.5                  | 6,900                         | 5,300                      | 64.7                | 216.2                  | 7,300                         | 5,700                      | 66.7                | 212.8                  | 6,700 *                       | 6,100                      | 120                     |
| 180                 | 60                 | 130                     | 59.7                | 211.7                  | 5,800                         | 4,400                      | 61.9                | 210.4                  | 6,100                         | 4,800                      | 63.9                | 206.8                  | 6,400 *                       | 5,100                      | 130                     |
| 180                 | 60                 | 140                     | 56.9                | 205.1                  | 4,900                         | 3,600                      | 59.1                | 203.8                  | 5,200                         | 3,900                      | 61.1                | 200.2                  | 5,500                         | 4,200                      | 140                     |
| 180                 | 60                 | 150                     | 53.9                | 197.9                  | 4,100                         | 2,900                      | 56.1                | 196.5                  | 4,400                         | 3,200                      | 58.1                | 192.7                  | 4,600                         | 3,400                      | 150                     |
| 180                 | 60                 | 160                     | 50.9                | 189.8                  | 3,400                         | 2,300                      | 53.1                | 188.4                  | 3,700                         | 2,600                      | 54.9                | 184.4                  | 3,900                         | 2,800                      | 160                     |
| 180                 | 60                 | 170                     | 47.7                | 180.8                  | 2,800                         | 1,800                      | 49.9                | 179.3                  | 3,000                         | 2,000                      | 51.6                | 175.1                  | 3,200                         | 2,200                      | 170                     |
| 180                 | 60                 | 180                     | 44.4                | 170.7                  | 2,300                         |                            | 46.5                | 169.1                  | 2,500                         |                            | 48.2                | 164.7                  | 2,700                         |                            | 180                     |
| 180                 | 60                 | 190                     | 40.8                | 159.3                  | 1,800                         |                            | 42.8                | 157.6                  | 2,000                         |                            |                     |                        |                               |                            | 190                     |
| 180                 | 60                 | 200                     |                     |                        |                               |                            | 38.9                | 144.4                  | 1,600                         |                            |                     |                        |                               |                            | 200                     |
| 190                 | 30                 | 44.43                   | 80.0                | 224.1                  | 17,500 *                      | 17,500 *                   |                     |                        |                               |                            |                     |                        |                               |                            | 44.43                   |
| 190                 | 30                 | 50                      | 78.5                | 223.0                  | 16,100 *                      | 16,100 *                   | 79.8                | 222.3                  | 15,200 *                      |                            |                     |                        |                               |                            | 50                      |
| 190                 | 30                 | 60                      | 75.9                | 220.6                  | 15,300 *                      | 15,300 *                   | 77.2                | 219.9                  | 14,500 *                      |                            | 78.4                | 218.2                  | 13,100 *                      |                            | 60                      |
| 190                 | 30                 | 70                      | 73.2                | 217.7                  | 14,600 *                      | 13,900                     | 74.5                | 217.0                  | 13,800 *                      |                            | 75.6                | 215.3                  | 12,500 *                      |                            | 70                      |
| 190                 | 30                 | 80                      | 70.5                | 214.3                  | 13,600                        | 11,100                     | 71.7                | 213.6                  | 13,100 *                      |                            | 72.9                | 211.9                  | 12,000 *                      |                            | 80                      |
| 190                 | 30                 | 90                      | 67.7                | 210.3                  | 11,100                        | 9,000                      | 68.9                | 209.7                  | 11,400                        |                            | 70.1                | 207.9                  | 11,400 *                      |                            | 90                      |
| 190                 | 30                 | 100                     | 64.9                | 205.8                  | 9,200                         | 7,300                      | 66.1                | 205.1                  | 9,500                         |                            | 67.2                | 203.3                  | 9,700                         |                            | 100                     |
| 190                 | 30                 | 110                     | 62.0                | 200.7                  | 7,600                         | 6,000                      | 63.2                | 200.0                  | 7,900                         |                            | 64.3                | 198.0                  | 8,100                         |                            | 110                     |
| 190                 | 30                 | 120                     | 59.0                | 194.8                  | 6,400                         | 4,900                      | 60.2                | 194.1                  | 6,600                         |                            | 61.2                | 192.1                  | 6,800                         |                            | 120                     |
| 190                 | 30                 | 130                     | 55.9                | 188.3                  | 5,300                         | 3,900                      | 57.1                | 187.5                  | 5,500                         |                            | 58.1                | 185.5                  | 5,600                         |                            | 130                     |
| 190                 | 30                 | 140                     | 52.7                | 180.9                  | 4,400                         | 3,100                      | 53.9                | 180.1                  | 4,600                         |                            | 54.8                | 178.0                  | 4,700                         |                            | 140                     |
| 190                 | 30                 | 150                     | 49.3                | 172.6                  | 3,600                         | 2,500                      | 50.5                | 171.8                  | 3,800                         |                            | 51.4                | 169.6                  | 3,900                         |                            | 150                     |
| 190                 | 30                 | 160                     | 45.8                | 163.3                  | 2,800 *                       | 1,900                      | 46.9                | 162.4                  | 3,100                         |                            | 47.8                | 160.0                  | 3,200                         |                            | 160                     |
| 190                 | 30                 | 170                     | 42.0                | 152.6                  | 1,500 *                       |                            | 43.1                | 151.7                  | 2,000 *                       |                            |                     |                        |                               |                            | 170                     |

## TUBULAR JIB NOTES FOR OPEN THROAT BOOM

1. Capacities are for a LS-138H II crawler crane with AB (50,500 lb) counterweight.
2. Separate capacity charts are listed for 360° and for over-end blocked crawler working areas. Verify operating conditions as described on the Working Area Chart found in the general information section of this Crane Rating Manual. Apply the appropriate lift capacity chart based on the working area and the specific operating conditions.
3. Over-end blocked capacities can be lifted over either end with the crane standing level on a firm supporting surface. Adequate blocking must be placed under the treadmember sprockets/idlers to prevent rocking.
4. Capacities are for side frames in the extended position only and are based on the crane standing level on a firm supporting surface.
5. Capacities are limited to a LBCE 44" x 54" tubular boom with an open throat and a LBCE 12 ton, 24" x 32" cross section jib with a 11'6" high jib mast properly assembled.
6. Two parts of 7/8" Diameter Type "DB" or Type "RB" wire rope are required for maximum lift.
7. Capacities are for 30', 45', and 60' jib lengths only.
8. A jib cannot be used on open throat boom lengths longer than 190'. Maximum boom plus jib combination is 180' + 60' or 190' + 30'. The only jib length available on 190' open throat boom is 30'. Midpoint pendants must be used with 190' + 30' combination.
9. The least stable condition is over the side.
10. All capacities are listed in pounds and are not more than 75% of the tipping loads. Those capacities followed by an asterisk (\*) are governed by factors other than those that would cause a tipping condition.
11. A deduction must be made from the jib capacities for the weight of the following: Main boom hook block or hook ball, jib hook block or hook ball, slings, grapple, load weighing devices, etc.