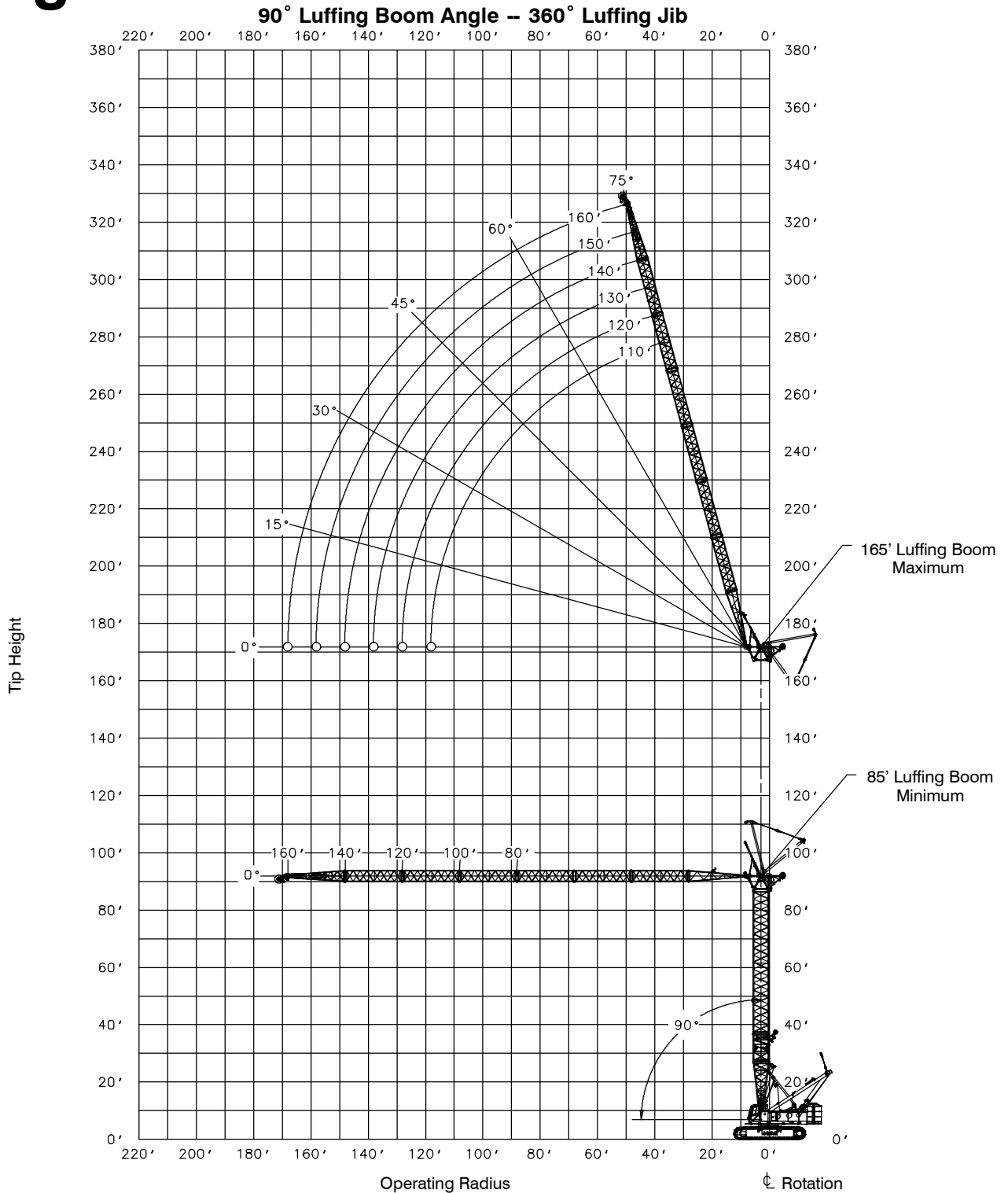
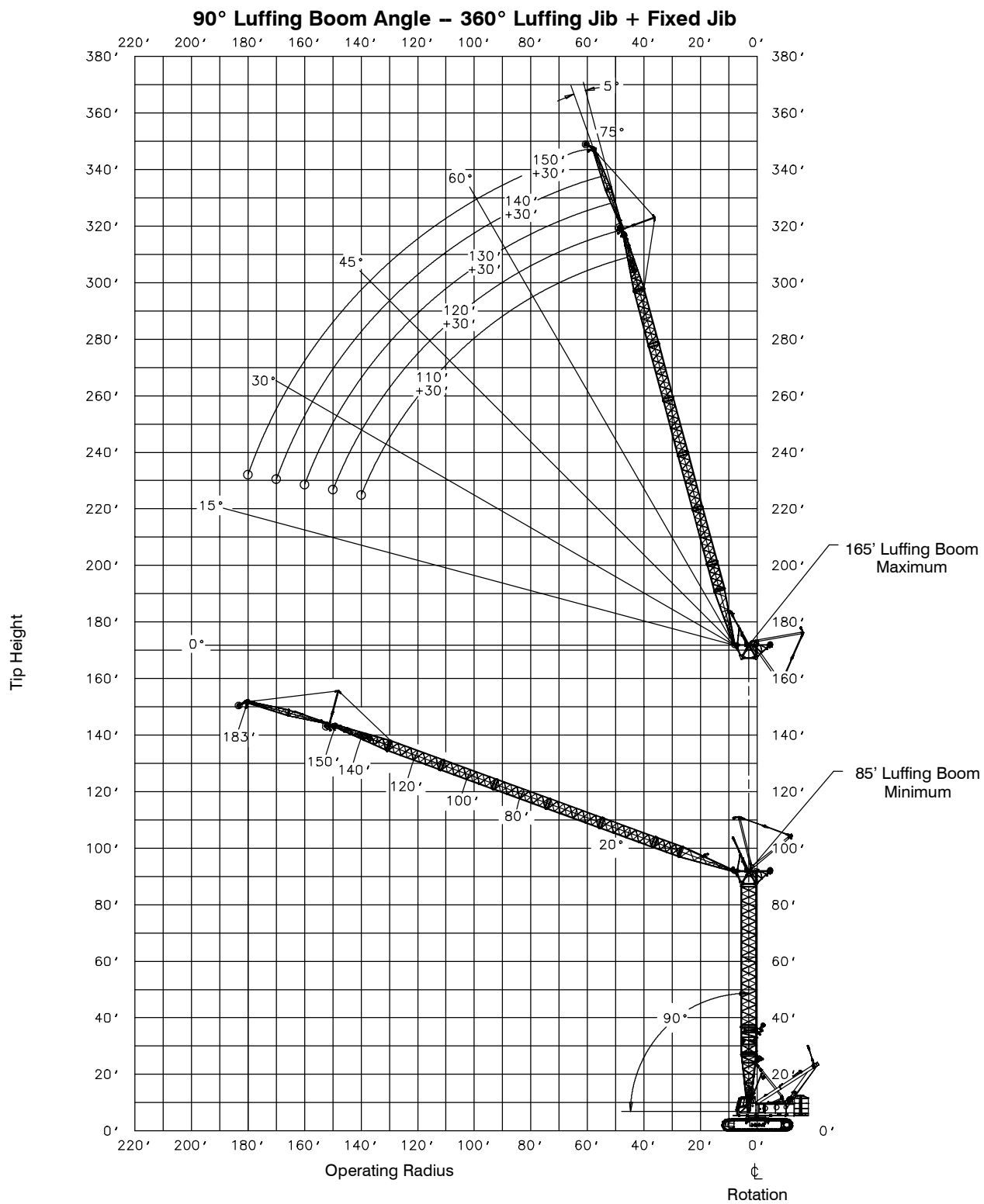




Luffing Attachment Working Range Diagrams

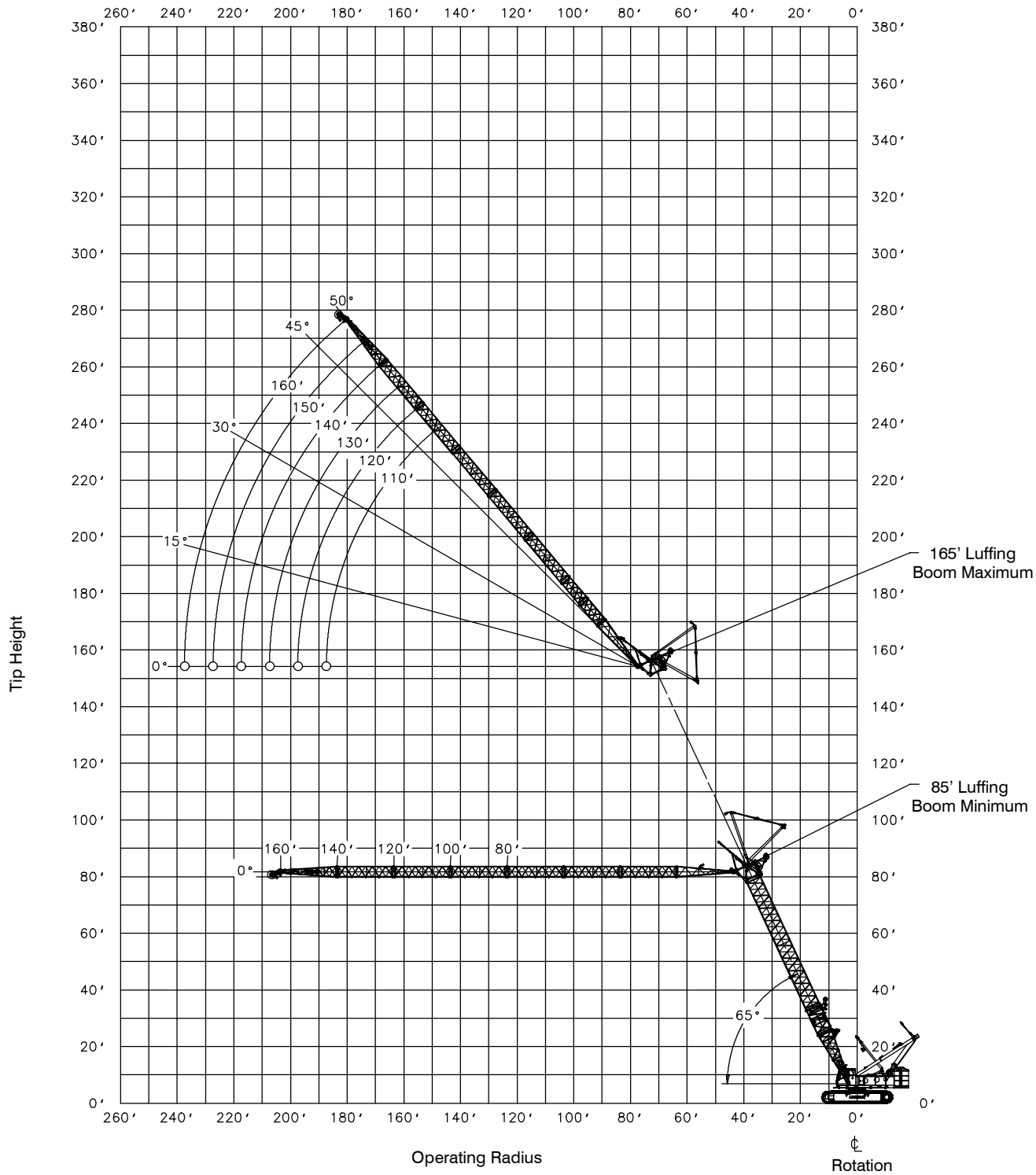


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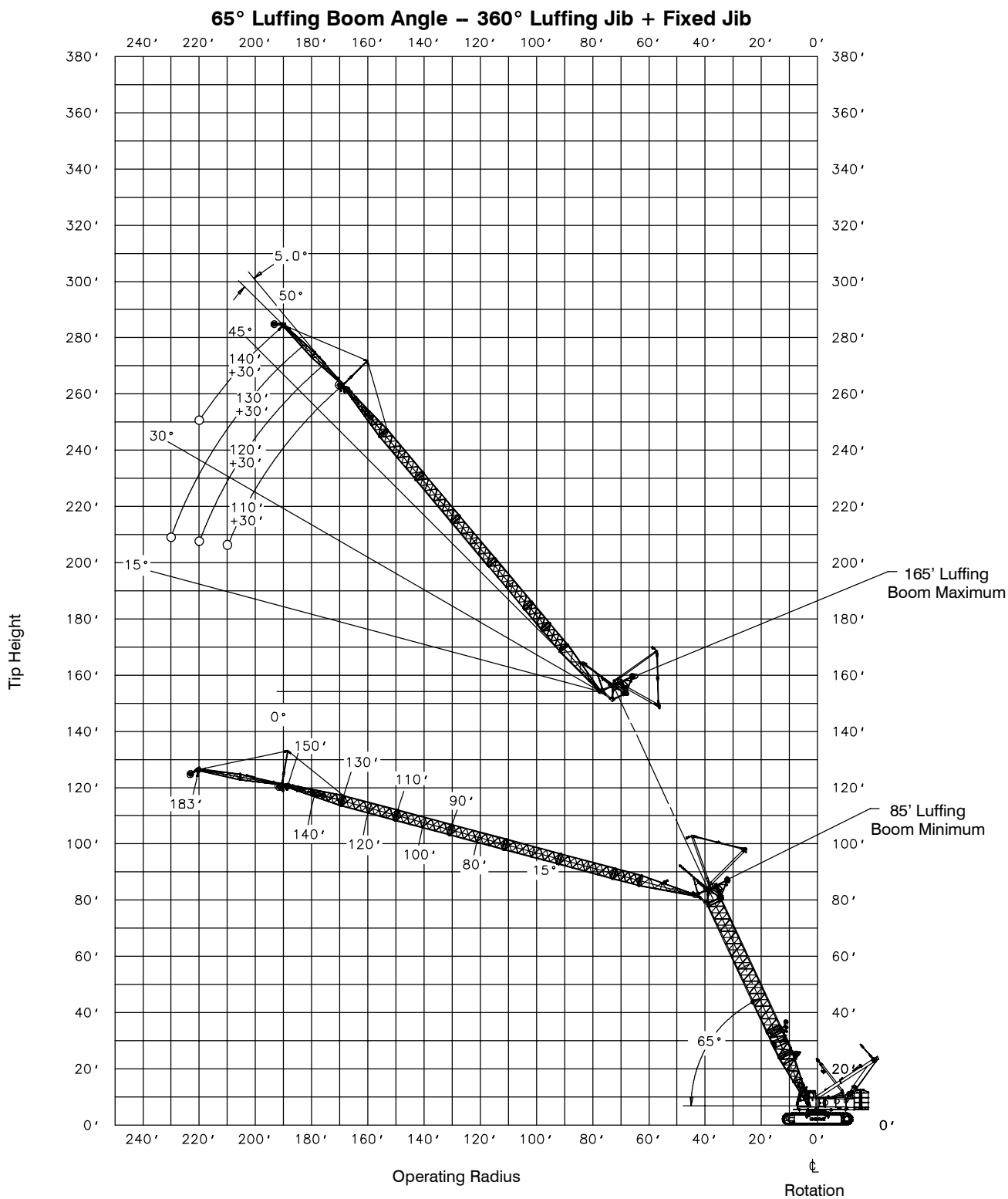


STERLING CRANE

65° Luffing Boom Angle – 360° Luffing Jib



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Luffing Attachment Load Charts

| 85 ft (25.9m) Luffing Boom Length – 360° Rotation ABC + A Counterweight [92,000 lb (41.7mt) + 48,000 lb (21.8mt)] [All capacities are listed in kips (mt)] | | | | | | | | | | | | | |
|--|--------------------|----------------|----------------|----------------|----------------|----------------|-----------------------------------|--------------------|----------------|----------------|----------------|----------------|---------------|
| 80 ft (24.4m) Luffing Jib Length | | | | | | | 100 ft (30.5m) Luffing Jib Length | | | | | | |
| Load Radius ft (m) | Luffing Boom Angle | | | | | | Load Radius ft (m) | Luffing Boom Angle | | | | | |
| | 90° | 85° | 80° | 75° | 70° | 65° | | 90° | 85° | 80° | 75° | 70° | 65° |
| 29 (8.8) | 53.9 (24.4) | | | | | | 29 (8.8) | | | | | | |
| 30 (9.1) | 52.7 (23.9) | | | | | | 30 (9.1) | | | | | | |
| 40 (12.2) | 43.8 (19.9) | | | | | | 40 (12.2) | 40.4 (18.3) | | | | | |
| 50 (15.2) | 38.5 (17.5) | 41.3 (18.7) | | | | | 50 (15.2) | 34.8 (15.8) | 38.3 (17.4) | | | | |
| 60 (18.3) | 35.0 (15.9) | 36.4 (16.5) | 39.2 (17.8) | | | | 60 (18.3) | 31.0 (14.1) | 33.1 (15.0) | | | | |
| 70 (21.3) | 32.9 (14.9) | 33.2 (15.1) | 34.5 (15.6) | 37.2 (16.9) | | | 70 (21.3) | 28.2 (12.8) | 29.4 (13.3) | 31.5 (14.3) | | | |
| 80 (24.4) | 26.7 (12.1) | 31.4 (14.2) | 31.7 (14.4) | 32.9 (14.9) | | | 80 (24.4) | 26.3 (11.9) | 26.9 (12.2) | 28.0 (12.7) | 30.0 (13.6) | | |
| 90 (27.4) | | 25.6 (11.6) | 29.9 (13.6) | 28.9 (13.1) | 27.9 (12.7) | | 90 (27.4) | 23.8 (10.8) | 25.1 (11.4) | 25.7 (11.7) | 26.9 (12.2) | | |
| 100 (30.5) | | | 24.4 (11.1) | 25.4 (11.5) | 24.5 (11.1) | 23.6 (10.7) | 100 (30.5) | 19.8 (9.0) | 23.2 (10.5) | 24.1 (10.9) | 24.6 (11.2) | 24.0 (10.9) | |
| 110 (33.5) | | | | 22.4 (10.2) | 21.8 (9.9) | 21.1 (9.6) | 110 (33.5) | | 19.2 (8.7) | 22.5 (10.2) | 22.2 (10.1) | 21.4 (9.7) | 20.6 (9.3) |
| 120 (36.6) | | | | | | 18.8 (8.5) | 120 (36.6) | | | 18.4 (8.3) | 19.9 (9.0) | 19.1 (8.7) | 18.4 (8.3) |
| 130 (39.6) | | | | | | | 130 (39.6) | | | | 16.7 (7.6) | 17.2 (7.8) | 16.5 (7.5) |
| 140 (42.7) | | | | | | | 140 (42.7) | | | | | | 15.0 (6.8) |

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Luffing Attachment Load Charts

| 85 ft (25.9m) Luffing Boom Length – 360° Rotation ABC + A Counterweight [92,000 lb (41.7mt) + 48,000 lb (21.8mt)] [All capacities are listed in kips (mt)] | | | | | | | | | | | | | |
|--|--------------------|----------------|----------------|---------------|---------------|---------------|-----------------------------------|--------------------|---------------|---------------|---------------|---------------|---------------|
| 130 ft (39.6m) Luffing Jib Length | | | | | | | 160 ft (48.8m) Luffing Jib Length | | | | | | |
| Load Radius ft (m) | Luffing Boom Angle | | | | | | Load Radius ft (m) | Luffing Boom Angle | | | | | |
| | 90° | 85° | 80° | 75° | 70° | 65° | | 90° | 85° | 80° | 75° | 70° | 65° |
| 50 (15.2) | 30.4 (13.8) | | | | | | 50 (15.2) | 26.0 (11.8) | | | | | |
| 60 (18.3) | 26.6 (12.1) | 28.9 (13.1) | | | | | 60 (18.3) | 22.2 (10.1) | | | | | |
| 70 (21.3) | 23.8 (10.8) | 25.5 (11.6) | | | | | 70 (21.3) | 19.8 (9.0) | 21.2 (9.6) | | | | |
| 80 (24.4) | 21.2 (9.6) | 22.1 (10.0) | 24.4 (11.1) | | | | 80 (24.4) | 17.8 (8.1) | 19.0 (8.6) | | | | |
| 90 (27.4) | 19.7 (8.9) | 20.3 (9.2) | 21.3 (9.7) | | | | 90 (27.4) | 16.3 (7.4) | 17.1 (7.8) | 18.2 (8.3) | | | |
| 100 (30.5) | 18.5 (8.4) | 18.8 (8.5) | 19.4 (8.8) | 20.4 (9.3) | | | 100 (30.5) | 15.1 (6.8) | 15.6 (7.1) | 16.5 (7.5) | | | |
| 110 (33.5) | 17.7 (8.0) | 17.7 (8.0) | 18.0 (8.2) | 18.7 (8.5) | | | 110 (33.5) | 14.0 (6.4) | 14.4 (6.5) | 15.0 (6.8) | 15.9 (7.2) | | |
| 120 (36.6) | 15.4 (7.0) | 16.9 (7.7) | 17.0 (7.7) | 17.3 (7.8) | 18.0 (8.2) | | 120 (36.6) | 13.2 (6.0) | 13.4 (6.1) | 13.8 (6.3) | 14.5 (6.6) | | |
| 130 (39.6) | 12.6 (5.7) | 15.2 (6.9) | 16.3 (7.4) | 16.3 (7.4) | 16.5 (7.5) | 15.8 (7.2) | 130 (39.6) | 12.6 (5.7) | 12.6 (5.7) | 12.9 (5.9) | 13.3 (6.0) | 13.9 (6.3) | |
| 140 (42.7) | | 12.4 (5.6) | 14.9 (6.8) | 15.6 (7.1) | 14.9 (6.8) | 14.3 (6.5) | 140 (42.7) | 11.7 (5.3) | 12.0 (5.4) | 12.2 (5.5) | 12.4 (5.6) | 12.9 (5.9) | |
| 150 (45.7) | | | 12.0 (5.4) | 14.2 (6.4) | 13.6 (6.2) | 12.9 (5.9) | 150 (45.7) | 9.9 (4.5) | 11.6 (5.3) | 11.6 (5.3) | 11.7 (5.3) | 11.9 (5.4) | 12.2 (5.5) |
| 160 (48.8) | | | | 11.0 (5.0) | 12.4 (5.6) | 11.8 (5.4) | 160 (48.8) | 8.1 (3.7) | 9.8 (4.4) | 11.2 (5.1) | 11.2 (5.1) | 11.3 (5.1) | 11.1 (5.0) |
| 170 (51.8) | | | | | | 10.8 (4.9) | 170 (51.8) | | 8.0 (3.6) | 9.7 (4.4) | 10.8 (4.9) | 10.7 (4.9) | 10.1 (4.6) |
| 180 (54.9) | | | | | | | 180 (54.9) | | | 7.8 (3.5) | 9.5 (4.3) | 9.7 (4.4) | 9.2 (4.2) |
| 190 (57.9) | | | | | | | 190 (57.9) | | | | 7.2 (3.3) | 8.9 (4.0) | 8.4 (3.8) |
| 200 (61.0) | | | | | | | 200 (61.0) | | | | | | 7.7 (3.5) |

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Luffing Attachment Load Charts

| 105 ft (30.0m) Luffing Boom Length – 360° Rotation ABC + A Counterweight [92,000 lb (41.7mt) + 48,000 lb (21.8mt)] [All capacities are listed in kips (mt)] | | | | | | | | | | | | | |
|---|--------------------|----------------|----------------|----------------|----------------|---------------|-----------------------------------|--------------------|----------------|----------------|----------------|---------------|---------------|
| 80 ft (24.4m) Luffing Jib Length | | | | | | | 100 ft (30.5m) Luffing Jib Length | | | | | | |
| Load Radius ft (m) | Luffing Boom Angle | | | | | | Load Radius ft (m) | Luffing Boom Angle | | | | | |
| | 90° | 85° | 80° | 75° | 70° | 65° | | 90° | 85° | 80° | 75° | 70° | 65° |
| 29 (8.8) | 52.2 (23.7) | | | | | | 29 (8.8) | | | | | | |
| 30 (9.1) | 51.1 (23.2) | | | | | | 30 (9.1) | | | | | | |
| 40 (12.2) | 42.7 (19.4) | | | | | | 40 (12.2) | 39.2 (17.8) | | | | | |
| 50 (15.2) | 37.8 (17.1) | 41.5 (18.8) | | | | | 50 (15.2) | 33.9 (15.4) | | | | | |
| 60 (18.3) | 34.5 (15.6) | 36.4 (16.5) | 40.3 (18.3) | | | | 60 (18.3) | 30.3 (13.7) | 33.0 (15.0) | | | | |
| 70 (21.3) | 32.6 (14.8) | 33.2 (15.1) | 35.3 (16.0) | | | | 70 (21.3) | 27.7 (12.6) | 29.3 (13.3) | 32.2 (14.6) | | | |
| 80 (24.4) | 26.6 (12.1) | 31.3 (14.2) | 32.1 (14.6) | 32.7 (14.8) | | | 80 (24.4) | 25.9 (11.7) | 26.8 (12.2) | 28.5 (12.9) | | | |
| 90 (27.4) | | 26.8 (12.2) | 29.5 (13.4) | 28.2 (12.8) | 27.1 (12.3) | | 90 (27.4) | 23.8 (10.8) | 25.0 (11.3) | 26.0 (11.8) | 27.7 (12.6) | | |
| 100 (30.5) | | | 25.9 (11.7) | 24.7 (11.2) | 23.6 (10.7) | | 100 (30.5) | 19.8 (9.0) | 23.9 (10.8) | 24.2 (11.0) | 24.2 (11.0) | | |
| 110 (33.5) | | | | 22.1 (10.0) | 21.1 (9.6) | 20.1 (9.1) | 110 (33.5) | | 20.0 (9.1) | 22.5 (10.2) | 21.6 (9.8) | 20.6 (9.3) | |
| 120 (36.6) | | | | | 18.9 (8.6) | 18.0 (8.2) | 120 (36.6) | | | 20.2 (9.2) | 19.4 (8.8) | 18.4 (8.3) | 17.5 (7.9) |
| 130 (39.6) | | | | | | 16.2 (7.3) | 130 (39.6) | | | | 17.4 (7.9) | 16.6 (7.5) | 15.7 (7.1) |
| 140 (42.7) | | | | | | | 140 (42.7) | | | | | 15.0 (6.8) | 14.2 (6.4) |
| 150 (45.7) | | | | | | | 150 (45.7) | | | | | | 12.9 (5.9) |

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Luffing Attachment Load Charts

| 105 ft (30.0m) Luffing Boom Length – 360° Rotation ABC + A Counterweight [92,000 lb (41.7mt) + 48,000 lb (21.8mt)] [All capacities are listed in kips (mt)] | | | | | | | | | | | | | |
|---|--------------------|----------------|---------------|---------------|---------------|---------------|-----------------------------------|--------------------|---------------|---------------|---------------|---------------|---------------|
| 130 ft (39.6m) Luffing Jib Length | | | | | | | 160 ft (48.8m) Luffing Jib Length | | | | | | |
| Load Radius ft (m) | Luffing Boom Angle | | | | | | Load Radius ft (m) | Luffing Boom Angle | | | | | |
| | 90° | 85° | 80° | 75° | 70° | 65° | | 90° | 85° | 80° | 75° | 70° | 65° |
| 50 (15.2) | 29.3 (13.3) | | | | | | 50 (15.2) | 24.8 (11.2) | | | | | |
| 60 (18.3) | 25.8 (11.7) | | | | | | 60 (18.3) | 21.3 (9.7) | | | | | |
| 70 (21.3) | 23.1 (10.5) | 25.2 (11.4) | | | | | 70 (21.3) | 19.0 (8.6) | | | | | |
| 80 (24.4) | 20.7 (9.4) | 21.9 (9.9) | | | | | 80 (24.4) | 17.2 (7.8) | 18.7 (8.5) | | | | |
| 90 (27.4) | 19.2 (8.7) | 20.1 (9.1) | 21.5 (9.8) | | | | 90 (27.4) | 15.8 (7.2) | 16.9 (7.7) | | | | |
| 100 (30.5) | 18.1 (8.2) | 18.6 (8.4) | 19.5 (8.8) | 21.0 (9.5) | | | 100 (30.5) | 14.6 (6.6) | 15.3 (6.9) | 16.5 (7.5) | | | |
| 110 (33.5) | 17.4 (7.9) | 17.5 (7.9) | 18.1 (8.2) | 19.1 (8.7) | | | 110 (33.5) | 13.6 (6.2) | 14.2 (6.4) | 15.1 (6.8) | | | |
| 120 (36.6) | 15.4 (7.0) | 16.7 (7.6) | 17.0 (7.7) | 17.6 (7.3) | 17.6 (7.3) | | 120 (36.6) | 12.8 (5.8) | 13.2 (6.0) | 13.8 (6.3) | 14.8 (6.7) | | |
| 130 (39.6) | 12.6 (5.7) | 15.7 (7.1) | 16.2 (7.3) | 16.5 (7.5) | 15.8 (7.2) | | 130 (39.6) | 12.2 (5.5) | 12.4 (5.6) | 12.8 (5.8) | 13.5 (6.1) | | |
| 140 (42.7) | | 12.9 (5.9) | 15.8 (7.2) | 15.1 (6.8) | 14.3 (6.5) | 13.5 (6.1) | 140 (42.7) | 11.7 (5.3) | 11.8 (5.4) | 12.1 (5.5) | 12.5 (5.7) | 13.3 (6.0) | |
| 150 (45.7) | | | 13.1 (5.9) | 13.8 (6.3) | 13.0 (5.9) | 12.2 (5.5) | 150 (45.7) | 9.8 (4.4) | 11.4 (5.2) | 11.4 (5.2) | 11.8 (5.4) | 12.2 (5.5) | |
| 160 (48.8) | | | | 12.6 (5.7) | 11.8 (5.4) | 11.1 (5.0) | 160 (48.8) | 8.1 (3.7) | 10.1 (4.6) | 11.0 (5.0) | 11.1 (5.0) | 11.1 (5.0) | 10.3 (4.7) |
| 170 (51.8) | | | | | 10.8 (4.9) | 10.1 (4.6) | 170 (51.8) | | 8.3 (3.8) | 10.3 (4.7) | 10.7 (4.9) | 10.1 (4.6) | 9.4 (4.3) |
| 180 (54.9) | | | | | | 9.3 (4.2) | 180 (54.9) | | | 8.5 (3.9) | 9.9 (4.5) | 9.2 (4.2) | 8.6 (3.9) |
| 190 (57.9) | | | | | | | 190 (57.9) | | | | 8.6 (3.9) | 8.4 (3.8) | 7.8 (3.5) |
| 200 (61.0) | | | | | | | 200 (61.0) | | | | | 7.7 (3.5) | 7.1 (3.2) |
| 210 (64.0) | | | | | | | 210 (64.0) | | | | | | 6.5 (2.9) |

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Luffing Attachment Load Charts

| 135 ft (41.1m) Luffing Boom Length – 360° Rotation ABC + A Counterweight [92,000 lb (41.7mt) + 48,000 lb (21.8mt)] [All capacities are listed in kips (mt)] | | | | | | | | | | | | | |
|---|--------------------|----------------|----------------|----------------|----------------|---------------|-----------------------------------|--------------------|----------------|----------------|----------------|---------------|---------------|
| 80 ft (24.4m) Luffing Jib Length | | | | | | | 100 ft (30.5m) Luffing Jib Length | | | | | | |
| Load Radius ft (m) | Luffing Boom Angle | | | | | | Load Radius ft (m) | Luffing Boom Angle | | | | | |
| | 90° | 85° | 80° | 75° | 70° | 65° | | 90° | 85° | 80° | 75° | 70° | 65° |
| 29 (8.8) | 47.5 (21.5) | | | | | | 29 (8.8) | | | | | | |
| 30 (9.1) | 46.9 (21.3) | | | | | | 30 (9.1) | | | | | | |
| 40 (12.2) | 40.6 (18.4) | | | | | | 40 (12.2) | 36.8 (16.7) | | | | | |
| 50 (15.2) | 36.1 (16.4) | 41.0 (18.6) | | | | | 50 (15.2) | 32.1 (14.6) | | | | | |
| 60 (18.3) | 33.1 (15.0) | 35.8 (16.2) | | | | | 60 (18.3) | 28.8 (13.1) | 32.4 (14.7) | | | | |
| 70 (21.3) | 30.6 (13.9) | 32.6 (14.8) | 36.1 (16.4) | | | | 70 (21.3) | 26.4 (12.0) | 28.7 (13.0) | | | | |
| 80 (24.4) | 26.6 (12.1) | 30.2 (13.7) | 32.3 (14.7) | | | | 80 (24.4) | 24.8 (11.2) | 26.1 (11.8) | 28.9 (13.1) | | | |
| 90 (27.4) | | 27.7 (12.6) | 28.7 (13.0) | 27.0 (12.2) | | | 90 (27.4) | 23.1 (10.5) | 24.3 (11.0) | 26.0 (11.8) | | | |
| 100 (30.5) | | 19.2 (8.7) | 25.2 (11.4) | 23.7 (10.8) | 22.4 (10.2) | | 100 (30.5) | 19.7 (8.9) | 22.9 (10.4) | 24.0 (10.9) | 23.1 (10.5) | | |
| 110 (33.5) | | | 22.3 (10.1) | 21.2 (9.6) | 19.8 (9.0) | | 110 (33.5) | | 21.1 (9.6) | 22.1 (10.0) | 20.7 (9.4) | | |
| 120 (36.6) | | | | 18.9 (8.6) | 17.7 (8.0) | 16.5 (7.5) | 120 (36.6) | | 14.5 (6.6) | 19.8 (9.0) | 18.5 (8.4) | 17.2 (7.8) | |
| 130 (39.6) | | | | | 15.9 (7.2) | 14.9 (6.8) | 130 (39.6) | | | 17.6 (8.0) | 16.6 (7.5) | 15.5 (7.0) | 14.3 (6.5) |
| 140 (42.7) | | | | | | 13.4 (6.1) | 140 (42.7) | | | | 15.0 (6.8) | 14.0 (6.4) | 12.9 (5.9) |
| 150 (45.7) | | | | | | | 150 (45.7) | | | | | 12.7 (5.8) | 11.7 (5.3) |
| 160 (48.8) | | | | | | | 160 (48.8) | | | | | | 10.7 (4.9) |

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Luffing Attachment Load Charts

| 135 ft (41.1m) Luffing Boom Length – 360° Rotation ABC + A Counterweight [92,000 lb (41.7mt) + 48,000 lb (21.8mt)] [All capacities are listed in kips (mt)] | | | | | | | | | | | | | |
|---|--------------------|----------------|---------------|---------------|---------------|---------------|-----------------------------------|--------------------|---------------|---------------|---------------|---------------|--------------|
| 130 ft (39.6m) Luffing Jib Length | | | | | | | 160 ft (48.8m) Luffing Jib Length | | | | | | |
| Load Radius ft (m) | Luffing Boom Angle | | | | | | Load Radius ft (m) | Luffing Boom Angle | | | | | |
| | 90° | 85° | 80° | 75° | 70° | 65° | | 90° | 85° | 80° | 75° | 70° | 65° |
| 50 (15.2) | 27.3 (12.4) | | | | | | 50 (15.2) | 21.1 (9.6) | | | | | |
| 60 (18.3) | 24.1 (10.9) | | | | | | 60 (18.3) | 19.7 (8.9) | | | | | |
| 70 (21.3) | 21.3 (9.7) | 24.4 (11.1) | | | | | 70 (21.3) | 17.6 (8.0) | | | | | |
| 80 (24.4) | 19.6 (8.9) | 21.3 (9.7) | | | | | 80 (24.4) | 16.0 (7.3) | 17.9 (8.1) | | | | |
| 90 (27.4) | 18.2 (8.3) | 19.4 (8.8) | 21.5 (9.8) | | | | 90 (27.4) | 14.7 (6.7) | 16.2 (7.3) | | | | |
| 100 (30.5) | 17.2 (7.8) | 18.0 (8.2) | 19.5 (8.8) | | | | 100 (30.5) | 13.6 (6.2) | 14.7 (6.7) | 16.3 (7.4) | | | |
| 110 (33.5) | 16.5 (7.5) | 16.9 (7.7) | 17.9 (8.1) | 19.6 (8.9) | | | 110 (33.5) | 12.7 (5.8) | 13.5 (6.1) | 14.9 (6.8) | | | |
| 120 (36.6) | 15.4 (7.0) | 16.1 (7.3) | 16.7 (7.6) | 17.7 (8.0) | | | 120 (36.6) | 12.0 (5.4) | 12.6 (5.7) | 13.6 (6.2) | | | |
| 130 (39.6) | 12.6 (5.7) | 15.4 (7.0) | 15.8 (7.2) | 15.9 (7.2) | 14.6 (6.6) | | 130 (39.6) | 11.4 (5.2) | 11.8 (5.4) | 12.5 (5.7) | 13.7 (6.2) | | |
| 140 (42.7) | | 13.6 (6.2) | 15.2 (6.9) | 14.3 (6.5) | 13.2 (6.0) | | 140 (42.7) | 11.0 (5.0) | 11.2 (5.1) | 11.7 (5.3) | 12.6 (5.7) | | |
| 150 (45.7) | | 9.6 (4.4) | 14.1 (6.4) | 13.0 (5.9) | 12.0 (5.4) | 10.9 (4.9) | 150 (45.7) | 9.8 (4.4) | 10.7 (4.9) | 11.1 (5.0) | 11.7 (5.3) | 11.2 (5.1) | |
| 160 (48.8) | | | 11.5 (5.2) | 11.9 (5.4) | 10.9 (4.9) | 9.9 (4.5) | 160 (48.8) | 8.0 (3.6) | 10.3 (4.7) | 10.6 (4.8) | 11.0 (5.0) | 10.1 (4.6) | |
| 170 (51.8) | | | | 10.8 (4.9) | 9.9 (4.5) | 9.0 (4.1) | 170 (51.8) | | 8.7 (3.9) | 10.2 (4.6) | 10.1 (4.6) | 9.2 (4.2) | 8.2 (3.7) |
| 180 (54.9) | | | | | 9.1 (4.1) | 8.2 (3.7) | 180 (54.9) | | 6.2 (2.8) | 9.4 (4.3) | 9.3 (4.2) | 8.3 (3.8) | 7.4 (3.4) |
| 190 (57.9) | | | | | | 7.5 (3.4) | 190 (57.9) | | | 7.4 (3.4) | 8.5 (3.9) | 7.6 (3.4) | 6.7 (3.0) |
| 200 (61.0) | | | | | | | 200 (61.0) | | | | 7.8 (3.5) | 6.9 (3.1) | 6.0 (2.7) |
| 210 (64.0) | | | | | | | 210 (64.0) | | | | | 6.4 (2.9) | 5.3 (2.4) |
| 220 (67.1) | | | | | | | 220 (67.1) | | | | | | 4.8 (2.2) |

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Luffing Attachment Load Charts

| 165 ft (50.3m) Luffing Boom Length – 360° Rotation ABC + A Counterweight [92,000 lb (41.7mt) + 48,000 lb (21.8mt)] [All capacities are listed in kips (mt)] | | | | | | | | | | | | | |
|---|--------------------|----------------|---------------|---------------|---------------|---------------|-----------------------------------|--------------------|---------------|---------------|---------------|---------------|--------------|
| 110 ft (33.5m) Luffing Jib Length | | | | | | | 130 ft (39.6m) Luffing Jib Length | | | | | | |
| Load Radius ft (m) | Luffing Boom Angle | | | | | | Load Radius ft (m) | Luffing Boom Angle | | | | | |
| | 90° | 85° | 80° | 75° | 70° | 65° | | 90° | 85° | 80° | 75° | 70° | 65° |
| 37 (11.3) | 28.9 (13.1) | | | | | | 37 (11.3) | | | | | | |
| 40 (12.2) | 28.2 (12.8) | | | | | | 40 (12.2) | | | | | | |
| 50 (15.2) | 25.6 (11.6) | | | | | | 50 (15.2) | 21.8 (9.9) | | | | | |
| 60 (18.3) | 23.3 (10.6) | 25.6 (11.6) | | | | | 60 (18.3) | 20.4 (9.3) | | | | | |
| 70 (21.3) | 21.2 (9.6) | 23.4 (10.6) | | | | | 70 (21.3) | 18.7 (8.5) | 20.5 (9.3) | | | | |
| 80 (24.4) | 19.5 (8.8) | 21.3 (9.7) | | | | | 80 (24.4) | 17.2 (7.8) | 18.8 (8.5) | | | | |
| 90 (27.4) | 18.1 (8.2) | 19.7 (8.9) | 21.5 (9.8) | | | | 90 (27.4) | 15.9 (7.2) | 17.4 (7.9) | | | | |
| 100 (30.5) | 16.8 (7.6) | 18.2 (8.3) | 19.9 (9.0) | | | | 100 (30.5) | 14.7 (6.7) | 16.1 (7.3) | 17.6 (8.0) | | | |
| 110 (33.5) | 15.7 (7.1) | 16.9 (7.7) | 18.4 (8.3) | 19.0 (8.6) | | | 110 (33.5) | 13.7 (6.2) | 14.9 (6.8) | 16.3 (7.4) | | | |
| 120 (36.6) | | 15.8 (7.2) | 17.1 (7.8) | 17.2 (7.8) | | | 120 (36.6) | 12.8 (5.8) | 13.8 (6.3) | 15.1 (6.8) | 15.5 (7.0) | | |
| 130 (39.6) | | 13.6 (6.2) | 15.7 (7.1) | 15.4 (7.0) | 13.9 (6.3) | | 130 (39.6) | 12.0 (5.4) | 12.9 (5.9) | 14.1 (6.4) | 14.6 (6.6) | | |
| 140 (42.7) | | | 13.7 (6.2) | 13.9 (6.3) | 12.5 (5.7) | | 140 (42.7) | | 12.1 (5.5) | 13.1 (5.9) | 13.4 (6.1) | 11.9 (5.4) | |
| 150 (45.7) | | | | 12.6 (5.7) | 11.3 (5.1) | 10.1 (4.6) | 150 (45.7) | | 10.3 (4.7) | 11.9 (5.4) | 12.2 (5.5) | 10.8 (4.9) | |
| 160 (48.8) | | | | 11.1 (5.0) | 10.3 (4.7) | 9.0 (4.1) | 160 (48.8) | | | 10.4 (4.7) | 11.1 (5.0) | 9.8 (4.4) | |
| 170 (51.8) | | | | | 9.4 (4.3) | 8.0 (3.6) | 170 (51.8) | | | | 10.1 (4.6) | 8.9 (4.0) | 7.4 (3.4) |
| 180 (54.9) | | | | | | 7.2 (3.3) | 180 (54.9) | | | | 8.5 (3.9) | 8.1 (3.7) | 6.5 (2.9) |
| 190 (57.9) | | | | | | | 190 (57.9) | | | | | 7.3 (3.3) | 5.8 (2.6) |
| 200 (61.0) | | | | | | | 200 (61.0) | | | | | | 5.2 (2.4) |

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Luffing Attachment Load Charts

| 165 ft (50.3m) Luffing Boom Length – 360° Rotation ABC + A Counterweight [92,000 lb (41.7mt) + 48,000 lb (21.8mt)] [All capacities are listed in kips (mt)] | | | | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|--------------|-----------------------------------|--------------------|---------------|---------------|---------------|--------------|--------------|
| 140 ft (42.76m) Luffing Jib Length | | | | | | | 160 ft (48.8m) Luffing Jib Length | | | | | | |
| Load Radius ft (m) | Luffing Boom Angle | | | | | | Load Radius ft (m) | Luffing Boom Angle | | | | | |
| | 90° | 85° | 80° | 75° | 70° | 65° | | 90° | 85° | 80° | 75° | 70° | 65° |
| 50 (15.2) | 19.4 (8.8) | | | | | | 50 (15.2) | 14.8 (6.7) | | | | | |
| 60 (18.3) | 18.4 (8.3) | | | | | | 60 (18.3) | 14.2 (6.4) | | | | | |
| 70 (21.3) | 17.2 (7.8) | 19.0 (8.6) | | | | | 70 (21.3) | 13.4 (6.1) | | | | | |
| 80 (24.4) | 16.0 (7.3) | 17.6 (8.0) | | | | | 80 (24.4) | 12.5 (5.7) | 15.2 (6.9) | | | | |
| 90 (27.4) | 14.8 (6.7) | 16.2 (7.3) | | | | | 90 (27.4) | 11.7 (5.3) | 14.0 (6.4) | | | | |
| 100 (30.5) | 13.7 (6.2) | 15.0 (6.8) | 16.5 (7.5) | | | | 100 (30.5) | 10.8 (4.9) | 12.9 (5.6) | | | | |
| 110 (33.5) | 12.6 (5.7) | 13.9 (6.3) | 15.3 (6.9) | | | | 110 (33.5) | 9.9 (4.5) | 12.0 (5.4) | 13.2 (6.0) | | | |
| 120 (36.6) | 11.7 (5.3) | 12.9 (5.9) | 14.2 (6.4) | | | | 120 (36.6) | 9.1 (4.1) | 11.1 (5.0) | 12.2 (5.5) | | | |
| 130 (39.6) | 10.9 (4.9) | 12.0 (5.4) | 13.2 (6.0) | 13.5 (6.1) | | | 130 (39.6) | 8.4 (3.8) | 10.3 (4.7) | 11.4 (5.2) | | | |
| 140 (42.7) | 10.3 (4.7) | 11.2 (5.1) | 12.3 (5.6) | 12.8 (5.8) | | | 140 (42.7) | 7.7 (3.5) | 9.6 (4.4) | 10.6 (4.8) | 10.8 (4.9) | | |
| 150 (45.7) | | 10.5 (4.8) | 11.4 (5.2) | 11.9 (5.4) | 10.5 (4.8) | | 150 (45.7) | 7.2 (3.3) | 8.9 (4.0) | 9.8 (4.4) | 10.2 (4.6) | | |
| 160 (48.8) | | 9.0 (4.1) | 10.3 (4.7) | 10.8 (4.9) | 9.5 (4.3) | | 160 (48.8) | 6.9 (3.1) | 8.3 (3.8) | 9.2 (4.2) | 9.5 (4.3) | 8.9 (4.0) | |
| 170 (51.8) | | | 9.0 (4.1) | 9.8 (4.4) | 8.6 (3.9) | 7.0 (3.2) | 170 (51.8) | | 7.8 (3.5) | 8.4 (3.8) | 8.8 (4.0) | 8.0 (3.6) | |
| 180 (54.9) | | | | 8.9 (4.0) | 7.7 (3.5) | 6.2 (2.8) | 180 (54.9) | | 6.5 (2.9) | 7.6 (3.4) | 8.0 (3.6) | 7.0 (3.2) | 5.5 (2.5) |
| 190 (57.9) | | | | 7.3 (3.3) | 6.9 (3.1) | 5.5 (2.5) | 190 (57.9) | | | 6.6 (3.0) | 7.3 (3.3) | 6.3 (2.9) | 4.8 (2.2) |
| 200 (61.0) | | | | | 6.3 (2.9) | 4.8 (2.2) | 200 (61.0) | | | | 6.5 (2.9) | 5.6 (2.5) | 4.1 (1.9) |
| 210 (64.0) | | | | | | 4.3 (2.0) | 210 (64.0) | | | | 5.2 (2.4) | 4.9 (2.2) | 3.6 (1.6) |
| 220 (67.1) | | | | | | | 220 (67.1) | | | | | 4.4 (2.0) | 3.0 (1.4) |
| 230 (70.1) | | | | | | | 230 (70.1) | | | | | | 2.6 (1.2) |

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Luffing Attachment Load Charts

| 135 ft (41.1m) Luffing Boom Length – 30 ft (9.1m) Fixed Jib Length – 360° Rotation ABC + A Counterweight [92,000 lb (41.7mt) + 48,000 lb (21.8mt)] [All capacities are listed in kips (mt)] | | | | | | | | | | | | | |
|---|--------------------|----------------|----------------|---------------|---------------|---------------|-----------------------------------|--------------------|----------------|---------------|---------------|---------------|--------------|
| 80 ft (24.4m) Luffing Jib Length | | | | | | | 100 ft (30.5m) Luffing Jib Length | | | | | | |
| Load Radius ft (m) | Luffing Boom Angle | | | | | | Load Radius ft (m) | Luffing Boom Angle | | | | | |
| | 90° | 85° | 80° | 75° | 70° | 65° | | 90° | 85° | 80° | 75° | 70° | 65° |
| 40 (12.2) | 22.7 (10.3) | | | | | | 40 (12.2) | | | | | | |
| 50 (15.2) | 22.7 (10.3) | | | | | | 50 (15.2) | 22.7 (10.3) | | | | | |
| 60 (18.3) | 22.7 (10.3) | | | | | | 60 (18.3) | 22.7 (10.3) | | | | | |
| 70 (21.3) | 22.7 (10.3) | 22.7 (10.3) | | | | | 70 (21.3) | 20.7 (9.4) | 22.7 (10.3) | | | | |
| 80 (24.4) | 22.1 (10.0) | 22.7 (10.3) | | | | | 80 (24.4) | 19.1 (8.7) | 20.8 (9.4) | | | | |
| 90 (27.4) | 20.2 (9.2) | 21.8 (9.9) | 22.7 (10.3) | | | | 90 (27.4) | 17.7 (8.0) | 18.9 (8.6) | 21.1 (9.6) | | | |
| 100 (30.5) | 17.8 (8.1) | 20.5 (9.3) | 21.6 (9.8) | | | | 100 (30.5) | 16.7 (7.6) | 17.5 (7.9) | 19.1 (8.7) | | | |
| 110 (33.5) | 16.0 (7.3) | 18.2 (8.3) | 20.2 (9.2) | 20.4 (9.3) | | | 110 (33.5) | 16.0 (7.3) | 16.4 (7.4) | 17.4 (7.9) | | | |
| 120 (36.6) | 12.6 (5.7) | 16.3 (7.4) | 18.5 (8.4) | 18.2 (8.3) | 16.8 (7.6) | | 120 (36.6) | 15.0 (6.8) | 15.6 (7.1) | 16.3 (7.4) | 17.5 (7.9) | | |
| 130 (39.6) | | 14.7 (6.7) | 16.6 (7.5) | 16.4 (7.4) | 15.1 (6.8) | | 130 (39.6) | 12.9 (5.9) | 15.0 (6.8) | 15.4 (7.0) | 15.8 (7.2) | | |
| 140 (42.7) | | | 15.0 (6.8) | 14.8 (6.7) | 13.7 (6.2) | 12.6 (5.7) | 140 (42.7) | | 13.9 (6.3) | 14.7 (6.7) | 14.3 (6.5) | 13.1 (5.9) | |
| 150 (45.7) | | | | 13.5 (6.1) | 12.4 (5.6) | 11.4 (5.2) | 150 (45.7) | | 11.0 (5.0) | 14.1 (6.4) | 13.0 (5.9) | 11.9 (5.4) | |
| 160 (48.8) | | | | | 11.3 (5.1) | 10.4 (4.7) | 160 (48.8) | | | 12.0 (5.4) | 11.8 (5.4) | 10.8 (4.9) | 9.8 (4.4) |
| 170 (51.8) | | | | | | 9.5 (4.3) | 170 (51.8) | | | | 10.8 (4.9) | 9.8 (4.4) | 8.9 (4.0) |
| 180 (54.9) | | | | | | | 180 (54.9) | | | | | 9.0 (4.1) | 8.1 (3.7) |
| 190 (57.9) | | | | | | | 190 (57.9) | | | | | | 7.4 (3.4) |

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Luffing Attachment Load Charts

| 135 ft (41.1m) Luffing Boom Length – 30 ft (9.1m) Fixed Jib Length – 360° Rotation ABC + A Counterweight [92,000 lb (41.7mt) + 48,000 lb (21.8mt)] [All capacities are listed in kips (mt)] | | | | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|--------------|-----------------------------------|--------------------|---------------|---------------|---------------|--------------|--------------|
| 130 ft (39.6m) Luffing Jib Length | | | | | | | 150 ft (45.7m) Luffing Jib Length | | | | | | |
| Load Radius ft (m) | Luffing Boom Angle | | | | | | Load Radius ft (m) | Luffing Boom Angle | | | | | |
| | 90° | 85° | 80° | 75° | 70° | 65° | | 90° | 85° | 80° | 75° | 70° | 65° |
| 60 (18.3) | 18.9 (8.6) | | | | | | 60 (18.3) | 14.2 (6.4) | | | | | |
| 70 (21.3) | 17.0 (7.7) | | | | | | 70 (21.3) | 13.6 (6.2) | | | | | |
| 80 (24.4) | 15.3 (6.9) | 17.2 (7.8) | | | | | 80 (24.4) | 12.9 (5.9) | | | | | |
| 90 (27.4) | 14.1 (6.4) | 15.5 (7.0) | | | | | 90 (27.4) | 11.9 (5.4) | 13.4 (6.1) | | | | |
| 100 (30.5) | 13.0 (5.9) | 14.1 (6.4) | | | | | 100 (30.5) | 10.9 (4.9) | 12.1 (5.5) | | | | |
| 110 (33.5) | 12.1 (5.5) | 12.9 (5.9) | 14.3 (6.5) | | | | 110 (33.5) | 10.0 (4.5) | 10.9 (4.9) | | | | |
| 120 (36.6) | 11.4 (5.2) | 12.0 (5.4) | 13.0 (5.9) | | | | 120 (36.6) | 9.3 (4.2) | 10.0 (4.5) | 11.1 (5.0) | | | |
| 130 (39.6) | 10.8 (4.9) | 11.2 (5.1) | 12.0 (5.4) | 13.1 (5.9) | | | 130 (39.6) | 8.7 (3.9) | 9.3 (4.2) | 10.1 (4.6) | | | |
| 140 (42.7) | 10.3 (4.7) | 10.6 (4.8) | 11.2 (5.1) | 12.1 (5.5) | | | 140 (42.7) | 7.9 (3.6) | 8.6 (3.9) | 9.3 (4.2) | 10.3 (4.7) | | |
| 150 (45.7) | 9.5 (4.3) | 10.2 (4.6) | 10.5 (4.8) | 11.1 (5.0) | 11.0 (5.0) | | 150 (45.7) | 7.1 (3.2) | 8.1 (3.7) | 8.6 (3.9) | 9.4 (4.3) | | |
| 160 (48.8) | 8.2 (3.7) | 9.7 (4.4) | 10.0 (4.5) | 10.5 (4.8) | 9.9 (4.5) | | 160 (48.8) | 6.5 (2.9) | 7.7 (3.5) | 8.1 (3.7) | 8.6 (3.9) | | |
| 170 (51.8) | | 8.8 (4.0) | 9.7 (4.4) | 9.9 (4.5) | 9.0 (4.1) | | 170 (51.8) | 4.5 (2.0) | 7.4 (3.4) | 7.6 (3.4) | 8.0 (3.6) | 8.4 (3.8) | |
| 180 (54.9) | | 6.9 (3.1) | 9.2 (4.2) | 9.1 (4.1) | 8.2 (3.7) | 7.1 (3.2) | 180 (54.9) | 2.4 (1.1) | 5.4 (2.4) | 7.2 (3.3) | 7.6 (3.4) | 7.6 (3.4) | |
| 190 (57.9) | | | 7.7 (3.5) | 8.3 (3.8) | 7.4 (3.4) | 6.3 (2.9) | 190 (57.9) | | 3.2 (1.5) | 6.2 (2.8) | 7.2 (3.3) | 6.8 (3.1) | 5.5 (2.5) |
| 200 (61.0) | | | | 7.6 (3.4) | 6.7 (3.0) | 5.5 (2.5) | 200 (61.0) | | | 3.9 (1.8) | 6.9 (3.1) | 6.0 (2.7) | 4.8 (2.2) |
| 210 (64.0) | | | | | 6.1 (2.8) | 4.9 (2.2) | 210 (64.0) | | | | 4.6 (2.1) | 5.3 (2.4) | 4.1 (1.9) |
| 220 (67.1) | | | | | | 4.3 (2.0) | 220 (67.1) | | | | 2.4 (1.1) | 4.7 (2.1) | 3.5 (1.6) |
| 230 (70.1) | | | | | | | 230 (70.1) | | | | | 3.0 (1.4) | 3.0 (1.4) |
| 240 (73.2) | | | | | | | 240 (73.2) | | | | | | 2.5 (1.1) |

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Luffing Attachment Load Charts

| 165 ft (50.3m) Luffing Boom Length – 30 ft (9.1m) Fixed Jib Length – 360° Rotation ABC + A Counterweight [92,000 lb (41.7mt) + 48,000 lb (21.8mt)] [All capacities are listed in kips (mt)] | | | | | | | | | | | | | |
|---|--------------------|---------------|---------------|---------------|---------------|--------------|-----------------------------------|--------------------|---------------|---------------|--------------|--------------|--------------|
| 110 ft (33.5m) Luffing Jib Length | | | | | | | 130 ft (39.6m) Luffing Jib Length | | | | | | |
| Load Radius ft (m) | Luffing Boom Angle | | | | | | Load Radius ft (m) | Luffing Boom Angle | | | | | |
| | 90° | 85° | 80° | 75° | 70° | 65° | | 90° | 85° | 80° | 75° | 70° | 65° |
| 47 (14.3) | 18.0 (8.2) | | | | | | 47 (14.3) | | | | | | |
| 50 (15.2) | 17.8 (8.1) | | | | | | 50 (15.2) | | | | | | |
| 60 (18.3) | 17.0 (7.7) | | | | | | 60 (18.3) | 12.7 (5.8) | | | | | |
| 70 (21.3) | 16.0 (7.3) | | | | | | 70 (21.3) | 12.1 (5.5) | | | | | |
| 80 (24.4) | 15.0 (6.8) | 16.7 (7.6) | | | | | 80 (24.4) | 11.4 (5.2) | 14.1 (6.4) | | | | |
| 90 (27.4) | 13.9 (6.3) | 15.4 (7.0) | | | | | 90 (27.4) | 10.6 (4.8) | 13.0 (5.9) | | | | |
| 100 (30.5) | 12.8 (5.8) | 14.2 (6.4) | 15.5 (7.0) | | | | 100 (30.5) | 9.8 (4.4) | 12.0 (5.4) | | | | |
| 110 (33.5) | 11.8 (5.4) | 13.2 (6.0) | 14.4 (6.5) | | | | 110 (33.5) | 8.9 (4.0) | 11.1 (5.0) | 12.2 (5.5) | | | |
| 120 (36.6) | 10.8 (4.9) | 12.2 (5.5) | 13.4 (6.1) | | | | 120 (36.6) | 8.2 (3.7) | 10.3 (4.7) | 11.4 (5.2) | | | |
| 130 (39.6) | 10.0 (4.5) | 11.4 (5.2) | 12.4 (5.6) | 12.6 (5.7) | | | 130 (39.6) | 7.5 (3.4) | 9.5 (4.3) | 10.5 (4.8) | | | |
| 140 (42.7) | 9.4 (4.3) | 10.6 (4.8) | 11.6 (5.3) | 11.9 (5.4) | | | 140 (42.7) | 6.8 (3.1) | 8.8 (4.0) | 9.8 (4.4) | 9.8 (4.4) | | |
| 150 (45.7) | | 9.9 (4.5) | 10.8 (4.9) | 11.1 (5.0) | 10.3 (4.7) | | 150 (45.7) | 6.3 (2.9) | 8.2 (3.7) | 9.1 (4.1) | 9.2 (4.2) | | |
| 160 (48.8) | | 8.7 (3.9) | 9.8 (4.4) | 10.2 (4.6) | 9.3 (4.2) | | 160 (48.8) | 5.9 (2.7) | 7.6 (3.4) | 8.4 (3.8) | 8.7 (3.9) | 7.9 (3.6) | |
| 170 (51.8) | | | 8.6 (3.9) | 9.3 (4.2) | 8.3 (3.8) | | 170 (51.8) | | 7.0 (3.2) | 7.8 (3.5) | 8.0 (3.6) | 7.5 (3.4) | |
| 180 (54.9) | | | | 8.4 (3.8) | 7.4 (3.4) | 5.8 (2.6) | 180 (54.9) | | 6.2 (2.8) | 7.0 (3.2) | 7.3 (3.3) | 6.6 (3.0) | |
| 190 (57.9) | | | | 7.1 (3.2) | 6.6 (3.0) | 5.0 (2.3) | 190 (57.9) | | | 6.1 (2.8) | 6.6 (3.0) | 5.8 (2.6) | 4.2 (1.9) |
| 200 (61.0) | | | | | 5.9 (2.7) | 4.4 (2.0) | 200 (61.0) | | | | 5.9 (2.7) | 5.1 (2.3) | 3.6 (1.6) |
| 210 (64.0) | | | | | | 3.9 (1.8) | 210 (64.0) | | | | 4.9 (2.2) | 4.5 (2.0) | 3.0 (1.4) |
| 220 (67.1) | | | | | | | 220 (67.1) | | | | | 3.9 (1.8) | 2.5 (1.1) |
| 230 (70.1) | | | | | | | 230 (70.1) | | | | | | 2.1 (1.0) |

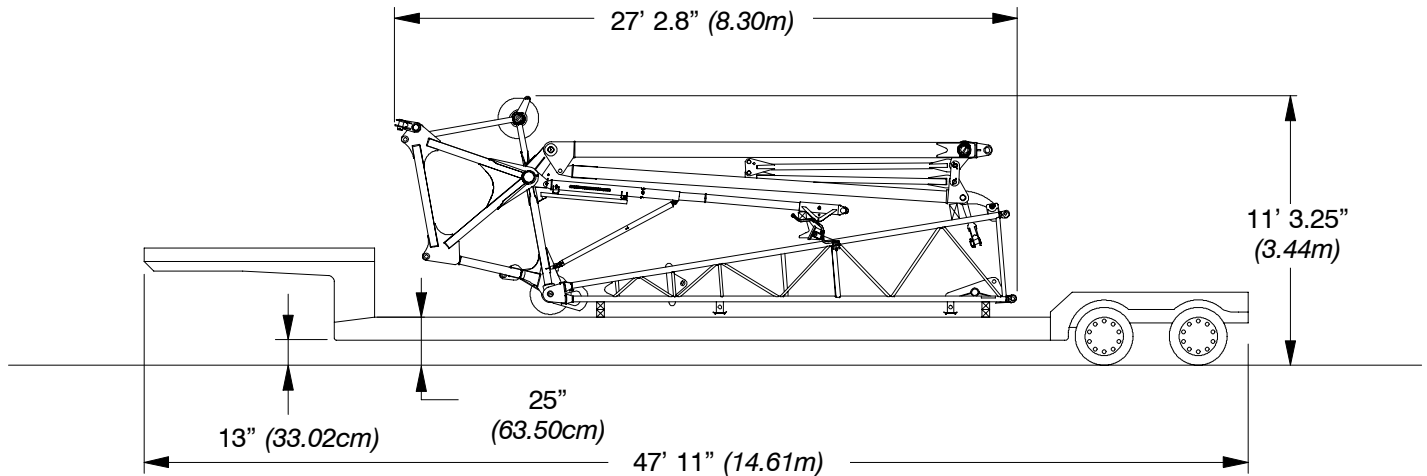
This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Luffing Attachment Load Charts

| 165 ft (50.3m) Luffing Boom Length – 30 ft (9.1m) Fixed Jib Length – 360° Rotation ABC + A Counterweight [92,000 lb (41.7mt) + 48,000 lb (21.8mt)] [All capacities are listed in kips (mt)] | | | | | | | | | | | | | |
|---|--------------------|---------------|---------------|--------------|--------------|--------------|-----------------------------------|--------------------|---------------|--------------|--------------|--------------|-----|
| 140 ft (42.7m) Luffing Jib Length | | | | | | | 150 ft (45.7m) Luffing Jib Length | | | | | | |
| Load Radius ft (m) | Luffing Boom Angle | | | | | | Load Radius ft (m) | Luffing Boom Angle | | | | | |
| | 90° | 85° | 80° | 75° | 70° | 65° | | 90° | 85° | 80° | 75° | 70° | 65° |
| 60 (18.3) | 10.8 (4.9) | | | | | | 60 (18.3) | 8.9 (4.0) | | | | | |
| 70 (21.3) | 10.3 (4.7) | | | | | | 70 (21.3) | 8.5 (3.9) | | | | | |
| 80 (24.4) | 9.7 (4.4) | | | | | | 80 (24.4) | 8.0 (3.6) | | | | | |
| 90 (27.4) | 9.0 (4.1) | 11.9 (5.4) | | | | | 90 (27.4) | 7.5 (3.4) | 10.4 (4.7) | | | | |
| 100 (30.5) | 8.3 (3.8) | 11.0 (5.0) | | | | | 100 (30.5) | 6.9 (3.1) | 9.9 (4.5) | | | | |
| 110 (33.5) | 7.6 (3.4) | 10.1 (4.6) | | | | | 110 (33.5) | 6.3 (2.9) | 9.1 (4.1) | | | | |
| 120 (36.6) | 6.9 (3.1) | 9.3 (4.2) | 10.3 (4.7) | | | | 120 (36.6) | 5.7 (2.6) | 8.4 (3.8) | 9.4 (4.3) | | | |
| 130 (39.6) | 6.2 (2.8) | 8.6 (3.9) | 9.6 (4.4) | | | | 130 (39.6) | 5.1 (2.3) | 7.8 (3.5) | 8.6 (3.9) | | | |
| 140 (42.7) | 5.7 (2.6) | 8.0 (3.6) | 8.9 (4.0) | 8.7 (3.9) | | | 140 (42.7) | 4.5 (2.0) | 7.1 (3.2) | 8.0 (3.6) | | | |
| 150 (45.7) | 5.1 (2.3) | 7.4 (3.4) | 8.2 (3.7) | 8.3 (3.8) | | | 150 (45.7) | 4.0 (1.8) | 6.4 (2.9) | 7.4 (3.4) | 7.3 (3.3) | | |
| 160 (48.8) | 4.7 (2.1) | 6.7 (3.0) | 7.6 (3.4) | 7.8 (3.5) | | | 160 (48.8) | 3.6 (1.6) | 5.8 (2.6) | 6.8 (3.1) | 6.9 (3.1) | | |
| 170 (51.8) | 4.4 (2.0) | 6.0 (2.7) | 7.1 (3.2) | 7.2 (3.3) | 6.6 (3.0) | | 170 (51.8) | 3.3 (1.5) | 5.1 (2.3) | 6.3 (2.9) | 6.5 (2.9) | | |
| 180 (54.9) | | 5.4 (2.4) | 6.4 (2.9) | 6.7 (3.0) | 6.2 (2.8) | | 180 (54.9) | 2.3 (1.0) | 4.5 (2.0) | 5.8 (2.6) | 5.9 (2.7) | 5.4 (2.4) | |
| 190 (57.9) | | 5.0 (2.3) | 5.7 (2.6) | 6.1 (2.8) | 5.4 (2.4) | 3.8 (1.7) | 190 (57.9) | | 3.7 (1.7) | 5.2 (2.4) | 5.4 (2.4) | 5.0 (2.3) | |
| 200 (61.0) | | | 5.0 (2.3) | 5.4 (2.4) | 4.7 (2.1) | 3.2 (1.5) | 200 (61.0) | | | 4.6 (2.1) | 4.9 (2.2) | 4.3 (2.0) | |
| 210 (64.0) | | | | 4.8 (2.2) | 4.1 (1.9) | 2.6 (1.2) | 210 (64.0) | | | 2.8 (1.3) | 4.3 (2.0) | 3.7 (1.7) | |
| 220 (67.1) | | | | 3.9 (1.8) | 3.5 (1.6) | 2.1 (1.0) | 220 (67.1) | | | | 3.8 (1.7) | 3.1 (1.4) | |
| 230 (70.1) | | | | | 3.0 (1.4) | | 230 (70.1) | | | | | 2.6 (1.2) | |
| 240 (73.2) | | | | | | | 240 (73.2) | | | | | 2.2 (1.0) | |

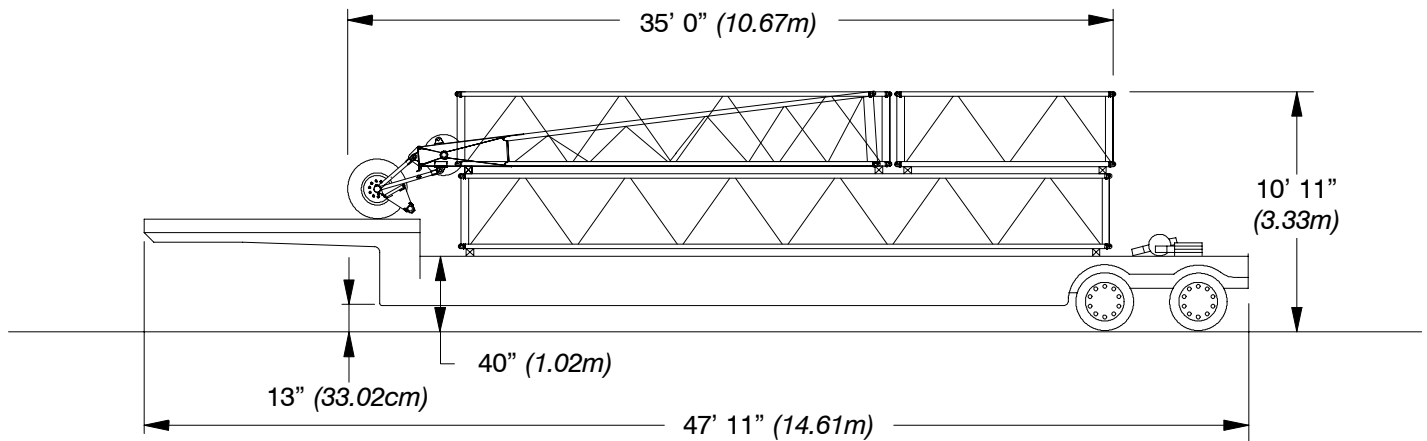
This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Luffing Attachment Transport



Luffing Attachment Shipping Module #1 – 8,250 lb (3 742kg)

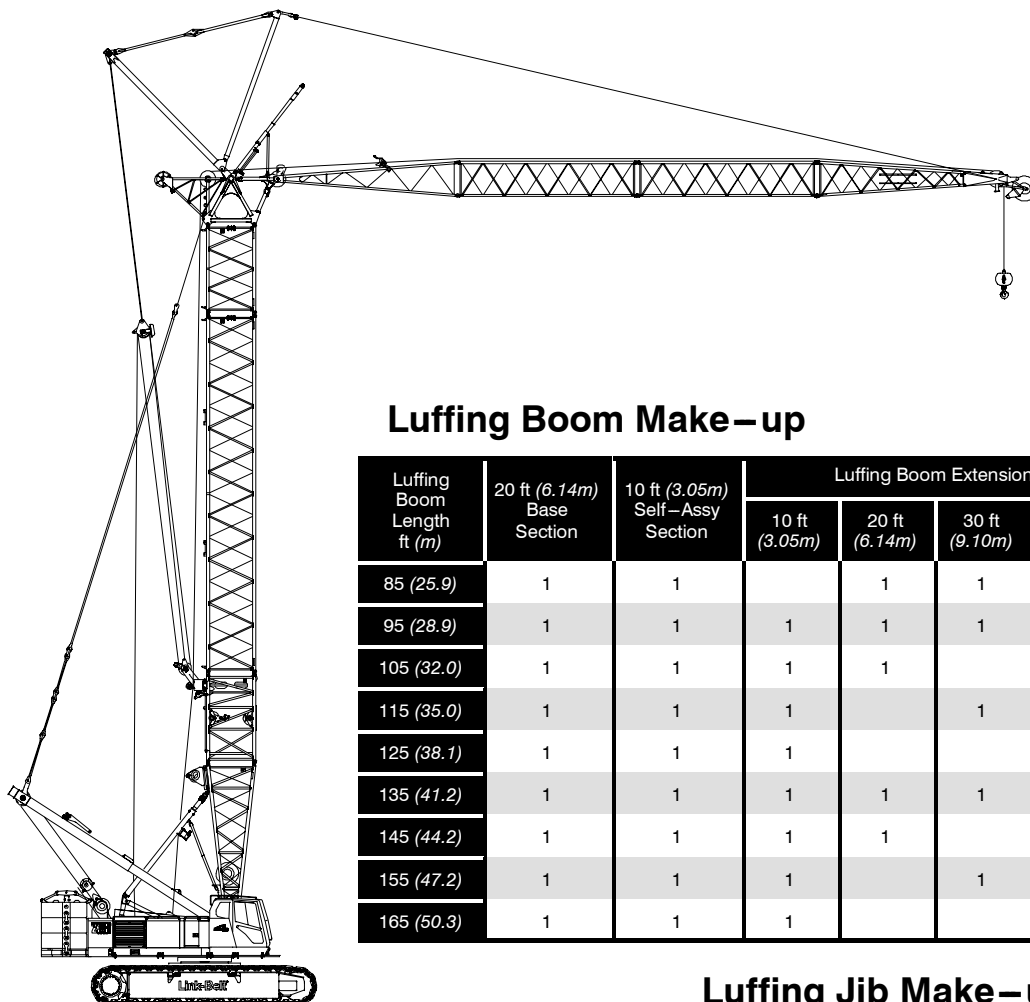
Luffing jib base section, luffing boom top section, and the front and rear fan post.



Luffing Attachment Shipping Module #2 – 10,374 lb (4 706kg)

Luffing jib top section with nose wheel, 30 ft (9.14m) extension (2 each), 20 ft (6.10m) extension, 10 ft (3.05m) extension (2 each), 25 Ton (22.68mt) hook block and 15 Ton (13.6mt) hook ball.

Luffing Attachment Make-up



Luffing Boom Make-up

| Luffing Boom Length ft (m) | 20 ft (6.14m) Base Section | 10 ft (3.05m) Self-Assy Section | Luffing Boom Extensions | | | | 5 ft (1.52m) Top Section |
|----------------------------|----------------------------|---------------------------------|-------------------------|---------------|---------------|----------------|--------------------------|
| | | | 10 ft (3.05m) | 20 ft (6.14m) | 30 ft (9.10m) | 40 ft (12.19m) | |
| 85 (25.9) | 1 | 1 | | 1 | 1 | | 1 |
| 95 (28.9) | 1 | 1 | 1 | 1 | 1 | | 1 |
| 105 (32.0) | 1 | 1 | 1 | 1 | | 1 | 1 |
| 115 (35.0) | 1 | 1 | 1 | | 1 | 1 | 1 |
| 125 (38.1) | 1 | 1 | 1 | | | 2 | 1 |
| 135 (41.2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 145 (44.2) | 1 | 1 | 1 | 1 | | 2 | 1 |
| 155 (47.2) | 1 | 1 | 1 | | 1 | 2 | 1 |
| 165 (50.3) | 1 | 1 | 1 | | | 3 | 1 |

Luffing Jib Make-up

| Luffing Jib Length ft (m) | 20 ft (6.14m) Base Section | Luffing Jib Extensions | | | 20 ft (6.14m) Top Section |
|---------------------------|----------------------------|------------------------|---------------|---------------|---------------------------|
| | | 10 ft (3.05m) | 20 ft (6.14m) | 30 ft (9.10m) | |
| 80 (24.4) | 1 | 1 | | 1 | 1 |
| 90 (27.4) | 1 | | 1 | 1 | 1 |
| 100 (30.5) | 1 | 1 | 1 | 1 | 1 |
| 110 (33.5) | 1 | 1 | | 2 | 1 |
| 120 (36.6) | 1 | | 1 | 2 | 1 |
| 130 (39.6) | 1 | 1 | 1 | 2 | 1 |
| 140 (42.7) | 1 | 1 | | 3 | 1 |
| 150 (45.7) | 1 | | 1 | 3 | 1 |
| 160 (48.8) | 1 | 1 | 1 | 3 | 1 |

Notes:

1. Capacities shown are in kips/metric tons (1 kip = 1,000 lb / 1 metric ton = 0.45 kips) and are not more than 75% of the tipping loads with the crane standing level on a firm supporting surface. A deduction must be made from these capacities for the weight of the hook block, hook ball, sling, grapple, load weighing devices, etc. When lifting from the luffing jib with the fixed jib installed, reduce capacities by values shown in the Crane Rating Manual. See Operator's Manual for all limitations when raising or lowering attachment.
2. The capacities in the shaded areas are based on structural strength. The capacities in the non-shaded areas are based on stability ratings.
3. All luffing attachment combinations require the maximum counterweight combination "ABC+LWR".
4. Load ratings are based on freely suspended loads and make no allowances for such factors as the effect of the wind on load, ground conditions, and operating speeds. The operator shall therefore reduce load ratings in order to take these conditions into account. Refer to the Crane Rating Manual for Wind Speed Restrictions.
5. Refer to the Crane Rating Manual for allowable attachment liftoff lengths and allowable working lengths at the various luffing boom angles.
6. The fixed jib has only one length [30 ft (9.14m)] and only one offset with respect to the luffing jib (5°).
7. These capacities are in compliance with ASME/ANSI B30.5 at date of manufacture.
8. These capacities apply only to the crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.