



LIFTING CHARTS - Hydraulic Truck Cranes

LINK-BELT MODEL HTC-8660 II - 60 TON CAPACITY

Boom, Attachments, and Upper Structure

■ Boom

Design – Four section, box type construction of high tensile steel consisting of one base section and three telescoping sections. The vertical side plates have diamond shaped impression for superior strength to weight ratio. The first telescoping section extends independently by means of one double-acting, single stage hydraulic cylinder with integrated holding valves. The second and third telescoping sections extend proportionally by means of one double-acting, single stage cylinder with integrated holding valves and cables.

Boom

- 35.5–110 ft (10.8–33.5m) four-section full power boom
- Two mode boom extension: A-max mode provides superior capacities by extending the first telescope section to 60.3 ft (18.4m). Standard mode synchronizes all the telescoping sections proportionally to 110 ft (33.5m). Controlled from operator's cab.
- Mechanical boom angle indicator
- Maximum tip height for A-max mode is 68.8 ft (21.0m) and standard mode is 117.4 ft (35.8m).

Boom Head

- Four 16.5 in (41.9cm) root diameter nylon sheaves to handle up to eight parts of line
- Easily removable wire rope guards
- Rope dead end lugs on each side of the boom head
- Boom head is designed for quick-reeve of the hook block

Boom Elevation

- One double acting hydraulic cylinder with integral holding valve
- Boom elevation: -3° to 78°

Auxiliary Lifting Sheave – Optional

- Single 16.5 in (41.9m) root diameter nylon sheave
- Easily removable wire rope guards
- Does not affect erection of the fly or use of the main head sheaves

Hook Blocks and Balls – Optional

- 25 ton (22.7mt) 3 sheave quick-reeve hook block with safety latch
- 40 ton (36.3mt) 4 sheave quick-reeve hook block with safety latch
- 50 ton (45.4mt) 5 sheave quick-reeve hook block with safety latch
- 8.5 ton (7.7mt) swivel and non-swivel hook balls with safety latch

Fly – Optional

- 28.5 ft (8.7m) one piece lattice fly, stowable, offsettable to 2° , 20° , and 40° . Maximum tip height is 144.8 ft (44.1m).
- 28.5–51 ft (8.7–15.5m) two piece bi-fold lattice fly, stowable, offsettable to 2° , 20° and 40° . Maximum tip height is 166.9 ft (50.9m).

■ Upper Operator's Cab and Controls

Environmental Cab – Fully enclosed, one person cab of galvalneal steel structure with acoustical insulation. Equipped with:

- Tinted and tempered glass windows
- Extra-large fixed front window with windshield wiper and washer
- Swing up roof window with windshield wiper
- Sliding left side door with large fixed window
- Sliding rear and right side windows for ventilation
- Six way adjustable, cushioned seat with seat belt and storage compartment
- Engine dependent warm-water heater with air ducts for front windshield defroster and cab floor
- Defroster fan for the front window
- Bubble level
- Circulating fan
- Adjustable sun visor
- Dome light
- Cup holder
- Fire extinguisher
- Left side viewing mirror
- Pull-out cabwalk
- Two position travel swing lock

Air Conditioning – Optional – Integral with cab heating system utilizing the same ventilation outlets

Armrest Controls – Two dual axis hydraulic joystick controllers or optional single axis hydraulic controllers for:

- Swing
- Boom hoist
- Main rear winch
- Auxiliary front winch – optional
- Drum rotation indication
- Drum rotation indicator activation switch
- Winch high/low speed and disable switch(es)
- Third wrap selector switch – optional
- Telescopic override switch
- Warning horn button
- Swing park brake switch

Outrigger Controls – Hand held control box with umbilical cord gives the operator the freedom to view operation while setting the outriggers.

Drive and Steer Controls – Optional – Hand held control box with umbilical cord gives the operator the ability to drive and steer the crane at low speed from the operator's cab.

Foot Controls

- Boom telescope
- Swing brake
- Engine throttle
- Carrier service brake – optional

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Right Front Console – Controls and indicators for:

- Engine ignition
- Engine throttle lock
- Pump enable
- Function disable
- Front windshield wiper and washer
- Cab floodlights
- Warning horn
- Heating controls
- Two position house lock
- Bubble level
- 12 volt power connection
- Carrier park brake – optional
- Air conditioning – optional
- Boom floodlight – optional
- Console dimmer switch

Cab Instrumentation – Ergonomically positioned, analog instrumentation for crane operation including:

- Check and stop engine indicators
- Engine coolant temperature with warning indicator
- Hydraulic oil temperature with warning indicator
- Low air pressure warning indicator
- Fuel level
- Tachometer

Rated Capacity Limiter – Microguard graphic audio–visual warning system integrated into the dash with anti–two block and function limiter. Operating data available includes:

- Crane configuration
- Boom length and angle
- Boom head height
- Allowed load and % of allowed load
- Boom angle
- Radius of load
- Actual load
- Operator settable alarms (include):
 - Maximum and minimum boom angles
 - Maximum and minimum tip height
 - Maximum boom length
 - Left/right swing positions
 - Operator defined area (imaginary plane)

Internal RCL Light Bar – Optional – Visually informs the operator when crane is approaching maximum load capacity with a series of green, yellow, and red lights.

External RCL Light Bar – Optional – Visually informs the ground crew when crane is approaching maximum load capacity with a series of green, yellow, and red lights.

■ **Swing**

Motor/Planetary – Bi–directional hydraulic swing motor mounted to a planetary reducer for 360° continuous smooth swing at 2.5 rpm.

Swing Park Brake – 360°, electric over hydraulic, (spring applied/hydraulic released) multi–disc brake mounted on the speed reducer. Operated by a switch from the operator’s cab.

Swing Brake – 360°, foot operated, hydraulic applied disc brake mounted to the speed reducer.

Swing Lock – Two–position swing lock (boom over front or rear) operated from the operator’s cab.

360° Positive Swing Lock – Optional – Meets New York City requirement.

■ **Electrical**

Swing Alarm – Audio warning device signals when the upper is swinging.

Lights

- Two working lights on front of the cab
- One rotating amber beacon on top of the cab – optional
- One amber strobe beacon on top of the cab – optional
- Boom floodlight – optional

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Load Hoist System Load Hoist Performance

Main (Rear) and Auxiliary (Front) Winches – 5/8 in (16mm) Rope										
Layer	Maximum Line Pull		Normal Line Speed		High Line Speed		Layer		Total	
	lb	kg	ft/min	m/min	ft/min	m/min	ft	m	ft	m
1	15,519	7 039.3	163	49.7	327	99.7	97	29.6	97	29.6
2	14,037	6 367.1	181	55.2	361	110.0	108	32.6	205	62.5
3	12,814	5 812.3	198	60.4	396	120.7	117	36.0	322	98.1
4	11,787	5 346.5	215	65.5	460	131.1	128	39.0	450	137.2
5	10,912	4 949.6	232	70.7	465	141.7	139	42.1	589	179.5
6	10,158	4 607.6	250	76.2	499	152.1	148	45.1	737	224.6

Wire Rope Application		Diameter		Type	Maximum Permissible Load	
		in	mm		lb	kg
Main (Rear) Winch	Standard	5/8	16	6x19 IWRC – right regular lay (Type DB)	11,770	5 338.8
	Optional	5/8	16	18x19 rotation resistant – right regular lay (Type RB)	9,080	4 118.6
Auxiliary (Front) Winch	Standard	5/8	16	6x19 IWRC – right regular lay (Type DB)	11,770	5 338.8
	Optional	5/8	16	18x19 rotation resistant – right regular lay (Type RB)	9,080	4 118.6

2M Main and Optional Auxiliary Winches

- Axial piston, full and half displacement (2-speed) motors driven through planetary reduction unit for positive control under all load conditions.
- Grooved lagging
- Power up/down mode of operation
- Hoist drum cable follower – optional
- Drum rotation indicator
- Drum diameter: 10.63 in (27.0cm)
- Rope length:
 - Main: 550 ft (167.6m)
 - Auxiliary: 450 ft (137.2m) or 550 ft (167.6m)
- Terminator style socket and wedge

Third wrap indicator – optional – Visually and audibly warns the operator when the wire rope is on the first/bottom layer and when the wire rope is down to the last three wraps.

Hydraulic System

Counterbalance Valves – All hoist motors, boom extend cylinders, and boom hoist cylinder are equipped with counterbalance valves to provide load lowering and to prevent accidental load drop if hydraulic power is suddenly reduced.

Hydraulic Oil Cooler – Carrier mounted cooler removes heat from the hydraulic oil. Cooler is integral to the engine radiator/charge air cooler.

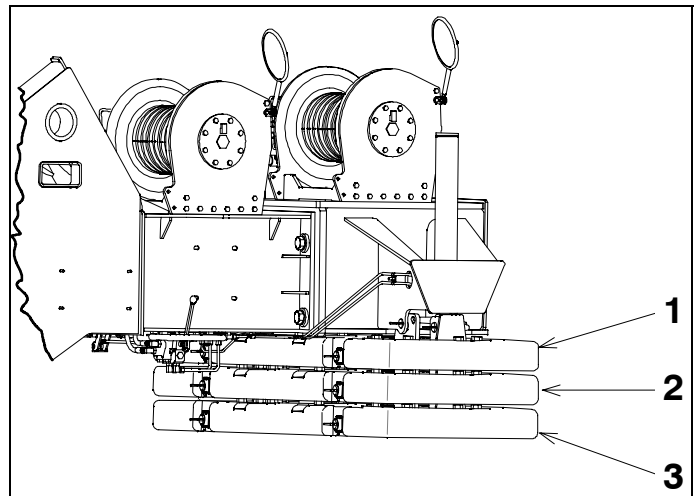
Boom Hoist Float Valves (Optional) – For transporting the boom over the rear of the crane with a boom dolly. Allows hydraulic oil within the boom hoist cylinder to flow between piston side and rod side, allowing the boom to float while on the boom dolly.

Swing Brake Release – For transporting the boom over the rear of the crane with a boom dolly. Holds the 360° swing park brake in the released position allowing free rotation of the upper structure.

Counterweight

Standard – 11,500 lb (5 216kg) total counterweight consisting of two, hydraulically removable 3,600 lb (1 633kg) counterweights with capacities for 4,300 lb (1 950kg) and 7,900 lb (3,583kg) counterweight configurations. Assembled and disassembled by hydraulic cylinders controlled from both sides of the upper structure.

Optional – 3,600 lb (1 633kg) in addition to standard counterweight for a total of 15,100 lb (6 849kg).



Counterweight Usage Combinations	Standard			Optional
	4,300 lb (1 950kg)	7,900 lb (3 583kg)	11,500 lb (5 216kg)	15,100 lb (6 849kg)
1		X	X	X
2			X	X
3				X

Carrier

■ General

- 8 ft 6 in (2.6 m) wide
- 23 ft 10 in (7.26m) wheelbase (centerline of first axle to centerline of fourth axle)
- **Frame** – Box–type, torsion resistant, welded construction made of high tensile steel. Equipped with front and rear towing and tie–down lugs, tow connections, and access ladders.

■ Outriggers

Boxes – Two double box, front and rear welded to the carrier frame

Beams and Jacks – Four single stage beams with Confined Area Lifting Capacities (CALC) provide selectable outrigger extensions of full, intermediate, and retracted positions. Jacks with integral check valve, hydraulically controlled from the operator's cab and on both sides of carrier. A fifth front bumper outrigger with integral check valve is hydraulically controlled from the operator's cab and at the front bumper of carrier.

Pontoons – Four lightweight, stow'n go, 23.5" x 27.25" (59.7 x 69.2cm) hexagonal steel pontoons with a contact area of 485 in² (3 129cm²) can be stored for road travel in either the storage racks on the carrier or under the outrigger boxes.

Main Jack Reaction – 76,000 lb (34 473.0kg) force and 157 psi (1 082.5kPa) ground bearing pressure

■ Steering and Axles

- Sheppard full integral master gear/slave gear steering system provides hydraulic assisted steering with mechanical link between steering wheel and wheels
- **Drive** – 8 x 4 for on/off–highway travel
- **Axle 1 & 2** – Tandem steered, non–driven
- **Axle 3 & 4** – Tandem non–steered, driven with reduction: 5.38 to 1
- **Inter–Axle Differential Lock** – Traction adding device that locks axle 3 with axle 4. Operated by a switch from the carrier cab.

■ Suspension

Front – Raydan Air Link walking beam air suspension

Rear – Raydan Air Link walking beam air suspension

- **Axle Lift System – Optional** – Improves rear tire ground clearance when the crane is up on outriggers. The rear air suspension can be raised or lowered with a switch in the carrier cab. The axle lift system can be controlled with a switch on both sides of the carrier.

■ Tires and Wheels

Front – Four (single) 425/65R22.5 tires on aluminum disc wheels

Rear – Eight (dual) 11R22.5 tires on aluminum outer/steel inner disc wheels

- Spare tires and wheels – optional
- Tire inflation kit – optional

■ Brakes

Service – Full air anti–lock (ABS) brakes on all wheel ends. Dual circuit compressed air system with air dryer.

Parking/Emergency – Spring loaded type, acting on 3rd and 4th axles automatically apply when air pressure drops below 40 psi (275.8kPa) in both circuits.

■ Electrical

Battery – Three batteries provide 12 volt starting and operation

Lights

- Front lighting includes two main headlights, two high beam lights, two parking/directional indicators, and three cab marker lights.
- Side lighting includes three parking/directional indicators per side.
- Rear lighting includes two parking/directional indicators, two parking/brake lights, two reverse lights, three marker lights, and a license plate light.
- Other equipment includes hazard/warning system, cab light, instrument panel light, and signal horn.
- One amber strobe beacon on top of the cab – optional
- Daytime running lights – optional

■ Engine

Specification	Caterpillar C11
Numbers of cylinders	6
Cycle	4
Bore and Stroke: inch (mm)	5.12 x 5.51 (130x140)
Piston Displacement: in ³ (L)	677 (11.1)
Max. Brake Horsepower: hp (kW)	365 (272.2) @ 1,800 rpm 350 (261.0) @ 2,100 rpm
Peak Torque: ft lb (J)	1,350 (1 830) @ 1,200 rpm
Alternator: volts – amps	12 – 145
Crankcase Capacity: qt (L)	22 (20.9)
<ul style="list-style-type: none"> • Cruise control • Three–stage engine compression brake • Thermostatically controlled, hydraulically driven radiator fan • 120 volt engine block heater • Ether injection system – optional 	

■ Transmission

Automated – ZF AS–TRONIC (no clutch pedal) manual transmission with 12 forward gears and 2 reverse gears.

■ Carrier Speeds and Gradeability

ZF Astronic		Governed Speed		Gradeability (@ Peak Torque Except Creep @ Idle)	
Gear	Ratio	mph	km/h	% Grade	
12th	0.78	60.69	97.65	2.49	
11th	1.00	47.22	75.97	3.72	
10th	1.27	37.27	59.96	5.10	
9th	1.63	28.99	46.64	6.89	
8th	2.10	22.47	36.16	9.17	
7th	2.70	17.49	28.14	12.04	
6th	3.55	13.29	21.39	16.09	
5th	4.57	10.34	16.64	20.89	
4th	5.78	8.16	13.14	26.65	
3rd	7.44	6.35	10.22	34.45	
2nd	9.59	4.92	7.92	44.63	
1st	12.33	3.83	6.16	57.55	
Reverse 1	11.41	4.14	6.66	53.24	
Reverse 2	8.88	5.32	8.56	41.28	
Creep @ idle	2nd	9.59	1.64	2.64	27.78
	1st	12.33	1.27	2.04	35.89
	Reverse 1	11.41	1.38	2.22	33.18
	Reverse 2	8.88	1.77	2.85	25.68

Based on a gross vehicle weight of 78,000 lb (35 380kg)

■ Fuel Tank

One 75 gal (283.9L) capacity tank

■ Hydraulic System

All functions are hydraulically powered allowing positive, precise control with independent or simultaneous operation of all functions.

Main Pumps

- Four fixed displacement gear pumps with automatic disconnect for the main and auxiliary winches, swing, boom hoist, control circuit, and telescope for use when crane is in travel mode
- One fixed displacement gear pump for steering and the front bumper outrigger
- Two fixed displacement gear pumps for engine cooling fan and main outriggers. These pumps also provide flow to the winches and boom hoist for “pick & carry” mode. Operated by a switch in the carrier cab.
- Combined pump capacity of 190 gpm (719.2Lpm)

Hydraulic Reservoir – 144 gal (545.1L) capacity equipped with sight level gauge. Diffusers built in for deaeration.

Filtration – One 10 micron, full flow, return line filter. All oil is filtered prior to return to reservoir. Accessible for easy filter replacement.

■ Pump Drive

All pumps are mechanically driven by the diesel engine. Main and auxiliary winches, swing, boom hoist, control circuit, and telescope pumps are mounted to an automatic pump disconnect on the rear of the transmission to aid in cold weather starting as well as to reduce pump wear while traveling.

■ Lower Cab and Controls

Environmental Cab – Fully enclosed, one person cab of composite structure with acoustical insulation. Equipped with:

- Tinted and tempered glass windows
- Roll down left side window for ventilation
- Sliding rear and right side windows for ventilation
- Windshield wiper and washer
- Six way adjustable and air suspended driver's seat with seat belt
- Two adjustable rear view mirrors
- Engine dependent warm–water heater with air ducts for windshield defroster and cab floor
- Adjustable sun visor
- Dome light
- 12 volt connection
- Fire extinguisher

Air Conditioning – Optional – Integral with cab heating system utilizing the same ventilation outlets

Cab Instrumentation – Ergonomically positioned analog instrumentation for driving including:

- Speedometer with odometer, hourmeter, trip odometer, and clock
- Front and rear air pressure with warning indicator
- Engine coolant temperature with warning indicator
- Engine oil pressure with warning indicator
- Voltage indicator with warning indicator
- Fuel level
- Tachometer

Right Side Console – Controls and indicators for:

- Transmission gear shifting
- Transmission digital readout
- Cruise controls
- Engine compression brake controls

Dash Mounted Controls For:

- Windshield wiper and washer
- Carrier lights
- Carrier/upper throttle control
- Engine cooling fan override
- Cab heater/air conditioning
- Console dimmer switch
- Engine diagnostic switch
- Park brake
- Engine ignition

Dash Mounted Indicator For:

- Check, stop, and service engine
- Turn signal indication
- Park brake
- Cruise activation
- Transmission oil
- High beam headlights
- Anti–lock brake activation

Foot Controls For:

- Carrier service brakes
- Engine throttle

■ Additional Equipment

Standard:

- Aluminum full deck fenders with mud flaps
- Left and right bubble levels
- Air hose connection ports
- Clearance flags

Optional:

- Pneumatic and electrical quick disconnect connectors mounted on the rear for trailer or boom dolly brakes and lights
- Left side aluminum storage box
- Rear mounted pintle hook

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Axle Loads

Base crane with full tank of fuel and 4,300 lb (1 950.4kg) counterweight	Gross Vehicle Weight (¹)		Front Axles		Rear Axles	
	lb	kg	lb	kg	lb	kg
	65,712	29 806	30,016	13 615	35,696	16 191
Driver in carrier cab	250	113	328	149	-78	-35
Rear pintle hook	34	15	-13	-6	47	21
Pneumatic and electrical connectors for trailer or boom dolly	11	5	-4	-2	15	7
Carrier aluminum storage box	66	30	20	9	46	21
Air ride lift system – rear axles	52	24	7	3	45	20
Ether injection	7	3	7	3	0	0
Air conditioning – carrier	58	26	83	38	-25	-11
Hoist drum follower – main	75	34	-27	-13	102	47
Auxiliary winch with 450 ft (137.2m) of 5/8" (16mm) type "DB" rope	351	159	-83	-38	434	197
Hoist drum follower – auxiliary	75	34	-16	-8	91	42
Substitute type "DB" rope with "RB" rope – main	77	35	-29	-13	106	48
Substitute type "DB" rope with "RB" rope – auxiliary	63	29	-15	-7	78	35
Substitute 450 ft (137.2m) with 550 ft (167.6m) rope – auxiliary	72	33	-17	-8	89	40
Remove 550 ft (167.6m) of rope from rear (main) winch	-405	-184	154	70	-559	-254
Remove 450 ft (137.2m) of rope from front (auxiliary) winch	-333	-151	80	36	-413	-187
Air conditioner – operator's cab	270	122	4	2	266	120
360° mechanical swing lock	60	27	6	3	54	24
Remote steer	120	54	42	19	78	35
One slab of counterweight on upper	3,582	1 625	-1,375	-624	4,957	2 248
Two slabs of counterweight on upper	7,164	3 250	-2,750	-1 247	9,914	4 497
Three slabs counterweight on upper	10,746	4 874	-4,125	-1 871	14,871	6 745
Floodlight to the front of boom base section	10	5	15	7	-5	-2
Fly mounting brackets to boom base section for fly options	99	45	87	39	12	5
28.5 ft (8.7m) offsettable, one-piece lattice fly – stowed	1,238	562	1,312	595	-74	-34
28.5–51 ft (8.7–15.5m) offsettable, two-piece (bi-fold) lattice fly – stowed	1,830	830	1,810	821	20	9
Auxiliary lifting sheave	91	41	165	75	-74	-34
25 ton (22.7mt) 3-sheave hook block at boom head	670	304	1,169	530	-499	-226
40 ton (36.3mt) 4-sheave hook block at boom head	780	354	1,360	617	-580	-263
50 ton (45.4mt) 5-sheave hook block at boom head	1,090	494	1,901	862	-811	-368
8.5 ton (7.7mt) hook ball at boom head	360	163	641	291	-281	-127
Hook block/ball storage box	375	170	-143	-65	518	235
25 ton (22.7mt) 3-sheave hook block in storage box	670	304	-256	-116	926	420
40 ton (36.3mt) 4-sheave hook block in storage box	780	354	-298	-135	1,078	489
50 ton (45.4mt) 5-sheave hook block in storage box	1,090	494	-417	-189	1,507	684
8.5 ton (7.7mt) hook ball in storage box	360	163	-138	-63	498	226

Counterweight Load Transfer	Front Axles		Rear Axles	
	lb	kg	lb	kg
Transfer one 3,600lb (1 632.9kg) slab of counterweight to carrier deck	4,091	1 856	-4,091	-1 856
Transfer two 3,600lb (1 632.9kg) slabs of counterweight to carrier deck	8,182	3 711	-8,182	-3 711
Transfer three 3,600lb (1 632.9kg) slabs of counterweight to carrier deck	12,273	5 567	-12,273	-5 567

Axle	Maximum Load @ 65 mph (105km/h)
Front	45,400 lb (20 593kg) – aluminum disc wheels with 425/65R22.5 tires
Rear	47,250 lb (21 432kg) – aluminum disc wheels with 11R22.5 tires

(¹) Adjust gross vehicle weight and axle loading according to component weight. All weights are ±3%.

Axle Loads with 2–Axle Boom Dolly

Base crane with full tank of fuel and 4,300 lb (1 950.4kg) counterweight	Gross Vehicle Weight ⁽¹⁾		Front Axles		Rear Axles		Dolly Axles	
	lb	kg	lb	kg	lb	kg	lb	kg
	65,712	29 806	30,016	13 615	35,696	16 191	10,733	4 868
Nelson 2–axle boom dolly	6,000	2 722	0	0	0	0	6,000	2 722
Driver in carrier cab	250	113	328	149	-78	-35	0	0
Rear pintle hook	34	15	-13	-6	47	21	0	0
Pneumatic and electrical connectors for trailer or boom dolly	11	5	-4	-2	15	7	0	0
Carrier aluminum storage box	66	30	20	9	46	21	0	0
Air ride lift system – rear axles	52	24	7	3	45	20	0	0
Ether injection	7	3	7	3	0	0	0	0
Air conditioning – carrier	58	26	83	38	-25	-11	0	0
Hoist drum follower – main	75	34	-27	-13	102	47	0	0
Auxiliary winch with 450 ft (137.2m) of 5/8" (16mm) type "DB" rope	351	159	215	98	136	62	0	0
Hoist drum follower – auxiliary	75	34	-16	-8	91	42	0	0
Substitute type "DB" rope with "RB" rope – main	77	35	58	26	19	9	0	0
Substitute type "DB" rope with "RB" rope – auxiliary	63	29	39	18	24	11	0	0
Substitute 450 ft (137.2m) with 550 ft (167.6m) rope – auxiliary	72	33	44	20	28	13	0	0
Remove 550 ft (167.6m) of rope from rear (main) winch	-405	-184	-305	-138	-100	-45	0	0
Remove 450 ft (137.2m) of rope from front (auxiliary) winch	-333	-151	-204	-93	-129	-59	0	0
Air conditioner – operator's cab	270	122	4	2	266	120	0	0
360° mechanical swing lock	60	27	16	7	44	20	0	0
Remote steer	120	54	42	19	78	35	0	0
One slab of counterweight on upper	3,582	1 625	2,716	1 323	866	393	0	0
Two slabs of counterweight on upper	7,164	3 250	5,432	2 464	1,732	786	0	0
Three slabs counterweight on upper	10,746	4 874	8,148	3 696	2,598	1 178	0	0
Floodlight to the front of boom base section	10	5	-1	-0.5	-1	-0.5	12	5
Fly mounting brackets to boom base section for fly options	99	45	12	5	14	6	72	33
28.5 ft (8.7m) offsettable, one–piece lattice fly – stowed	1,238	562	80	36	89	40	1,069	485
28.5–51 ft (8.7–15.5m) offsettable, two–piece (bi–fold) lattice fly – stowed	1,830	830	163	74	182	83	1,484	673
Auxiliary lifting sheave	91	41	-18	-8	-20	-9	130	59
40 ton (36.3mt) 4–sheave hook block at front bumper	780	354	-138	-63	-154	-70	1,072	486
50 ton (45.4mt) 5–sheave hook block at front bumper	1,090	494	-193	-88	-215	-98	1,498	679
8.5 ton (7.7mt) hook ball at front bumper	360	163	-68	-31	-76	-34	504	229

Counterweight Load Transfer	Front Axles		Rear Axles		Dolly Axles	
	lb	kg	lb	kg	lb	kg
Transfer one 3,600lb (1 632.9kg) slab of counterweight to boom dolly	-2,716	-1 232	-866	-393	3,582	1 625
Transfer two 3,600lb (1 632.9kg) slabs of counterweight to boom dolly	-5,432	-2 464	-1,732	-786	7,164	3 250
Transfer three 3,600lb (1 632.9kg) slabs of counterweight to boom dolly	-8,148	-3 696	-2,598	-1 178	10,746	4 874

Axle	Maximum Load @ 65 mph (105km/h)
Front	45,400 lb (20 593kg) – aluminum disc wheels with 425/65R22.5 tires
Rear	47,250 lb (21 432kg) – aluminum disc wheels with 11R22.5 tires

(1) Adjust gross vehicle weight and axle loading according to component weight. All weights are ±3%.