



Performance Data

Main Performance Data of SCC1500C Hydraulic Crawler Crane			
Performance Index		Unit	Data
H Operating Condition	Max. Rated Load	t (Ust)	155 (170.9)
	Boom Length	m (ft)	18 ~ 81 (59' 1" ~ 265' 9")
	Boom Luffing Angle		30° ~ 80°
FJ Operating Condition	Full Extensional Boom+ Full Extensional Jib	m (ft)	(69 + 31) / (75+13) (226' 5" ~ 101' 8")/ (246' 1" ~ 42' 8")
	Jib Offset Angle		15° , 30°
Working Speed	Wire Speed of Main and Aux. Winch(Outermost Layer)	m/min (fpm)	0 ~ 125 (0~410)
	Wire Speed of Luffing Winch (Outermost Layer)	m/min (fpm)	(0 ~ 24) × 2 (0~78.7) × 2
	Slewing Speed	rpm	0 ~ 2.0
	Traveling Speed	km/h (mph)	0 ~ 1.2/0 ~ 0.6 (two speeds) (0 ~ 0.75 /0 ~ 0.37) (two speeds)
	Gradeability		30%
Engine	Output Power	kW (hp)	242 (324.5)
	Rated Rotational Speed	rpm	2100
Transport Data	Max. Transport Weight of Single Part	kg (lb)	50,000 110,230
	Transport Dimensions (Length × Width × Height)	mm (ft)	10230 × 3470 × 3500 (33' 7" × 11' 5" × 11' 6")
	Average Ground Bearing Pressure	MPa (psi)	0.093 (13.5)

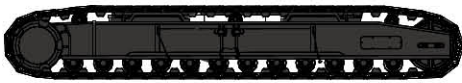
Transport Dimensions



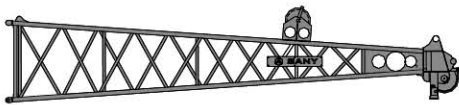
Basic Machine		× 1
Length	10.23m	33' 7"
Width	3.47m	11' 5"
Height	3.50m	11' 6"
Weight	50000kg	110229lb



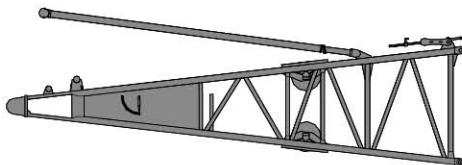
Basic Machine		× 1
Length	16.99m	55' 9"
Width	3.47m	11' 5"
Height	3.50m	11' 6"
Weight	54000kg	119048lb



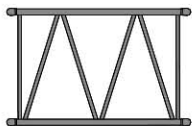
Crawler Assembly		× 2
Length	8.22m	26' 12"
Width	1.51m	4' 11"
Height	1.29m	4' 3"
Weight	21700kg	47840lb



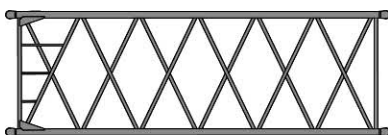
Boom Tip		× 1
Length	10.91m	35' 10"
Width	2.21m	7' 3"
Height	2.35m	7' 9"
Weight	2600kg	5732lb



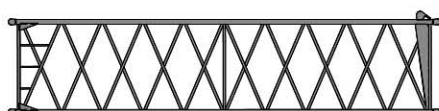
Boom Base		× 1
Length	7.76m	25' 6"
Width	2.21m	7' 3"
Height	2.13m	6' 12"
Weight	3400kg	7496lb



Boom Insert 3m(9' 10'')		× 1
Length	3.14m	10' 4"
Width	2.21m	7' 3"
Height	2.01m	6' 7"
Weight	540kg	1190lb

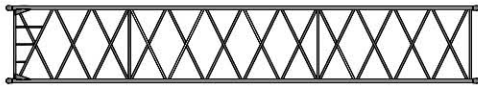


Boom Insert 6m(19' 8'')		× 3
Length	6.14m	20' 2"
Width	2.21m	7' 3"
Height	2.01m	6' 7"
Weight	910kg	2006lb

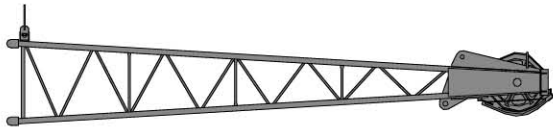


Boom Insert 9m (29' 6'')		× 1
Length	9.14m	29' 12"
Width	2.21m	7' 3"
Height	2.16m	7' 1"
Weight	1400kg	3086lb

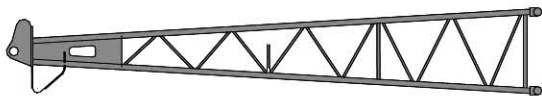
Transport Dimensions



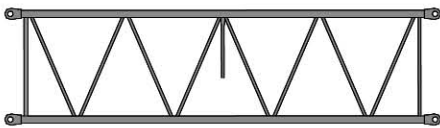
Boom Insert 12m(39' 4")		×2
Length	12.14m	39' 10"
Width	2.21m	7' 3"
Height	2.01m	6' 7"
Weight	1600kg	3527lb



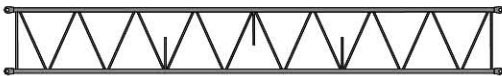
Jib Tip		×1
Length	5.41m	17' 9"
Width	1.01m	3' 4"
Height	1.17m	3' 10"
Weight	310kg	683lb



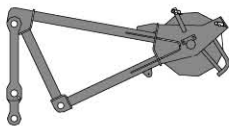
Jib Base		×1
Length	5.11m	16' 9"
Width	1.03m	3' 5"
Height	0.83m	2' 9"
Weight	300kg	661lb



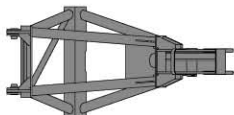
Jib Insert 3m(9' 10")		×1
Length	3.08m	10' 1"
Width	1.01m	3' 4"
Height	0.83m	2' 9"
Weight	140kg	309lb



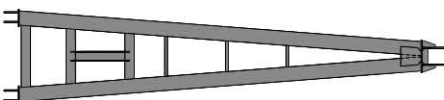
Jib Insert 6m(19' 8")		×3
Length	6.08m	19' 11"
Width	1.01m	3' 4"
Height	0.83m	2' 9"
Weight	250kg	551lb



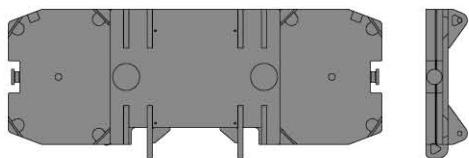
Extension Jib		×1
Length	2.15m	7' 1"
Width	1.04m	3' 5"
Height	1.12m	3' 8"
Weight	360kg	794lb



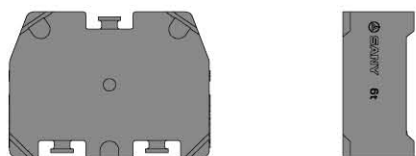
Jib Strut		×1
Length	5.44m	17' 10"
Width	1.14m	3' 9"
Height	0.21m	8"
Weight	400kg	882lb



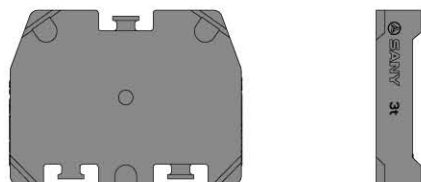
Transport Dimensions



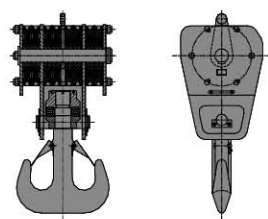
Counterweight Tray		× 1
Length	4.43m	14' 6"
Width	1.76m	5' 9"
Height	0.49m	1' 7"
Weight	11400kg	25132lb



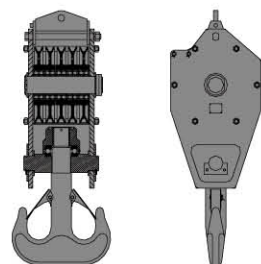
Counterweight Block		× 6
Length	1.60m	5' 3"
Width	1.19m	3' 11"
Height	0.57m	1' 10"
Weight	6000kg	13228lb



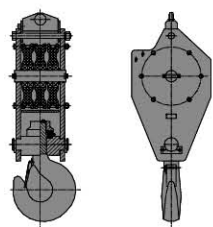
Counterweight Block		× 6
Length	1.60m	5' 3"
Width	1.19m	3' 11"
Height	0.31m	1' 0"
Weight	3000kg	6614lb



150t (165USt) Hook Block		× 1
Length	0.88m	2' 11"
Width	1.04m	3' 5"
Height	2.14m	7' 0"
Weight	2700kg	5952lb

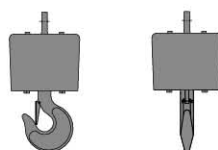
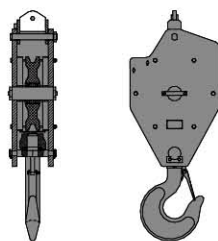


100t (110USt) Hook Block		× 1
Length	0.74m	2' 5"
Width	0.81m	2' 8"
Height	2.05m	6' 9"
Weight	1700kg	3748lb



50t (55USt) Hook Block		× 1
Length	0.72m	2' 4"
Width	0.41m	1' 4"
Height	1.93m	6' 4"
Weight	960kg	2116lb

Transport Dimensions



25t (27.6USt) Hook Block		× 1
Length	0.72m	2' 4"
Width	0.37m	1' 3"
Height	1.69m	5' 7"
Weight	830kg	1830lb

13.5t (15USt) Hook Block		× 1
Length	0.47m	1' 7"
Width	0.47m	1' 7"
Height	0.93m	3' 1"
Weight	430kg	948lb

Notes:

1. The transport dimensions of main parts are not drawn to proportion. The dimensions in the sketches are design values excluding packages.
2. The weight is design value and there may be a $\pm 2\%$ difference caused during manufacturing.

Specifications



Upperworks



Engine

The imported Cummins Model QSL9 (Tier 3) 4-stroke diesel, inline 6-cylinders, water-cooled, electronic-controlled, rated at 242kW (325hp) /2100rpm. The maximum torque output is 1424N•m (1050lb•ft) at 1500rpm.

The engine is equipped with peripheral equipment designated by Cummins, including: an air-pre filter, an air filter, a low-noise fan, and a composite cooler.

One 400L (106gal) capacity fuel tank, equipped with both an oil lever and an electronic oil gauge to show oil level.



Electrical Controlling System

Composed of central controlling unit, man-machine interfaces, sensors, actuators, and connecting wires.

Data transmission between the controller, display, engine, load moment limiter, and remote controlling termination is achieved by CAN bus technology, enabling high reliability for the system.

Information including working parameters (e.g. rotational speed of the engine, fuel volume, engine oil pressure, servo pressure, wind speed, engine working hours) and working state (e.g. main winch lockup, main luffing winch lockup, slewing lockup) is shown on the display.

Security: design of electrical system fully complying with CE standards, multi safety limit switches, full range of safety signals, main components complying with CE standards.

Reliability: products of internationally or industrially well-known brands are employed in main electrical components, which include the load moment limiter, controller, display, sensor, detecting switches, control switches, wires and cables.

Amenity: all electrical parameters and states (e.g. rotational speed of the engine, fuel volume, engine oil pressure, servo pressure, wind speed, engine working hours, main winch lockup, main luffing winch lockup, and slewing lockup) are clearly seen on the instrument displays; separated design of assembling mode and operating mode fixes major hydraulic actions and hence reduces the operating workload for operator.

Advance: CAN bus technology for overall crane electrical system, power limit control for load, redundant transmission verification, and optional GPS and remote monitoring system.



Hydraulic System

The Hydraulic system consists of three parts: main circuit system, servo control system and auxiliary system.

Main components are all sourced from Rexroth or Kawasaki.

Kawasaki system is an open-loop, positive flow controlled, steady startup, smooth stop and diversion; rapid operating response, less heat output and long service life.

The Rexroth system can achieve LUDV, i.e. Load Independent Flow Distribution. Slewing system is closed-loop, rapid operating response, steady startup, smooth stop and diversion.

The main pump is variable displacement dual pumps with constant power control, forming an open loop with system pressure 320bar (4640psi).

The use of hydraulic proportional pilot control enables acute and inching operation.



Main & Auxiliary Hoisting Mechanism

The main winch drum and the auxiliary winch drum are separately driven and easy to install. The built-in, wet-type brakes feature Low wear and maintenance-free, ensuring safety sufficiently.

The variable displacement hydraulic motor can adjust its displacement automatically according to load to achieve the maximum winch speed.

Quality non-rotating wire rope enables hoisting safety and long service life.

Bag-type wire rope end makes installing and dismantling wire rope convenient.

The winches are also equipped with ratchet and pawl to further ensure hoisting safety.

Main Hoisting Winch	Main Winch Diameter	496mm (19-1/2")
	Outermost Speed of Wire Rope	0 ~ 125m/min (0 ~ 410fpm)
	Wire Rope Diameter	26mm (1")
	Wire Rope Length of Main Winch	350m (1148'4")
	Rated Single-line Pull	13,100kg(28,900lb)

Specifications

Auxiliary Hoisting Winch	Aux. Winch Diameter	496mm (19-1/2")
	Outermost Speed of Wire Rope	0 ~ 125m/min (0 ~ 410fpm)
	Wire Rope Diameter	26mm (1")
	Wire Rope Length of Aux. Winch	300m (984'3")
	Rated Single-line Pull	13,100kg(28,900lb)



Slewing Mechanism

Driven by slewing motor and hydraulically buffered, allowing 360° rotation.

Brake: normally closed, built-in, wet, blade-type, spring loaded; spring-applied and hydraulically-released.

Slewing lock: a locking pin is provided to protect the upperworks from rotation during traveling with load or transportation.

Slewing ring: three-row roller swing ring

Slewing speed: 0~2.0r/min



Luffing Mechanism

Twin-drum luffing winch, equipped with ratchet and pawl at the barrier plate in the middle, ensuring parking safety of the boom system at non-working condition.

Luffing Winch	Winch Diameter	460mm(18-1/8")
	Outermost Speed of Wire Rope	(0 ~ 24) × 2 m/min ((0~78.7) × 2 fpm)
	Wire Rope Diameter	20mm (13/16")
	Wire Rope Length of Luffing Winch	320m (1049'10")
	Rated Single-line Pull	9,730kg(21,450lb)



Counterweight

Name	Qty.	Single Weight (kg) (lb)	Total Weight (kg) (lb)
Counterweight Block	6	6,000 (13,300)	36,000 (79,400)
Counterweight Block	2	3,000 (6,600)	6,000 (13,300)
Counterweight Tray	1	11,400 (25,200)	11,400 (25,200)
Total Weight of Standard Configuration (kg)		53400(117,800)	
Additional Counterweight Block	4	3,000 (6,600)	12,000 (26,500)



Driver's Cab

Newly-designed full-enclosed cab with Sany characteristics is equipped with adjustable seat, air-conditioner, and four headlights for lower beam and upper beam illumination. The large window and rearview mirror permit broad viewing area. The armrest boxes can be adjusted forward and backward together with the seat, making comfortable operation and being ergonomic.



Controlling Operation

Crawler traveling actions are controlled by traveling pedals (control levers).

The left traveling pedal (control lever) operates the left crawler frame assembly, and the right traveling pedal (control lever) operates the right crawler frame assembly likewise.

Engine rotational speed is controlled by accelerator pedal or accelerator rotary switch. Engine startup switch is located on the right armrest box.



Specifications

The control lever of operating luffing/main hoisting winch is located on the right armrest box, and the one of operating auxiliary hoisting winch/slewing is located on the left armrest box.

Slewing lock button is located on the left side of the left armrest box. There is also an auxiliary operating box located to the left-front of the seat, through which the corresponding functions can be achieved manually.

The traveling pedal (control lever) has the automatically direction changing function, ensuring the forward operation of the pedal makes the crane travel forward and vice versa in spite of the relative position of the upperworks to the lowerworks.

Lowerworks

Traveling Devices

Independent traveling drive is provided in each crawler frame. The hydraulic traveling motor drives planetary gear reducer and achieves independent traveling.

Traveling Brake

The normally-closed (i.e. it's in braking status when the control pedal valve is not engaged) brake is built in reducer and can compensate automatically no adjustment is necessary. When the control pedal valve is engaged, the brake is released and the crane travels.

Crawler Pad

The left and right crawler tracks consist of 108 crawler pads in total, with each one 1100mm(3'7") wide. Tension of crawler track can be adjusted through the use of hydraulic jack. Tension is maintained through the use of shim plates.

Chassis

High strength welded frame structure. The power pin connecting the crawler to the frame is driven by a hydraulic cylinder, making easy assembly and disassembly.

Traveling Speed

Low Speed: 0.6 km/h(0~0.37 mph)
High Speed: 1.2 km/h(0~0.75 mph)

Operation Device

Boom

The boom frame is a space lattice structure of welded steel pipe with constant section in the middle part and variable cross section on both ends. The main chord pipes are made of high-strength steel. The tip and base sections of the boom frame are strengthened with steel plates.

Combination of boom: basic boom 18m(59'1"), boom tip 7.5m(24'7"), boom base 10.5m(34'5"), boom insert 3m×1(9'10"×1), boom insert 6m×3(19'8"×3), boom insert 9m×2(29'6"×2) and boom insert 12m×2(39'4"×2).

Length of full extensional boom is 81m(265'9").

Jib

The jib frame is a space lattice structure of welded steel pipe with constant section in the middle part and variable cross section on both ends. The main chord pipes are made of high-strength steel. The tip and base sections of the boom frame are strengthened with steel plates.

Booms allowed to install with fixed jib range from 27m(88'7") to 75m(246'1").

Combination of jib: jib tip 5m(16'5"), jib base 5m(16'5"), jib insert 3m × 1(9'10"×1), 6m × 3(19'8"×3). Jibs of 13m(42'8"), 19m(62'4"), 25m(82'), and 31m(101'8") are available.

Full extensional boom + full extensional jib: 69m+31m/75m+13m (226'5"+101'8")/(246'1"+42'8")

Hook Blocks

Standard Configuration:

150t (165UST) hook block

50t (55UST) hook block

13.5t (15UST) hook block

Optional Configuration:

25t (27.6UST) hook block

100t (110UST) hook block

Note: the above-mentioned devices are the complete configurations. Actual configuration see the purchase contract.

Safety Devices

Load Moment Limiter

Standard configuration, several brands for option.

As an independent safety controlling system completely

Specifications

controlled by computer, the load moment limiter can detect parameters like weight of load, operating radius, and boom angle, and can also compare the rated parameters with the actual ones. In normal conditions, it can detect dangerous actions of the crane and cut off these actions if necessary. In addition, it is equipped with a black box to record overload information.

Components: display, host machine, angle sensor, and force sensor.

➤ Tri-color Load Alarm Light

It can indicate the load bearing condition of the crane according to load indicating bar on the display of load moment limiter.

➤ Over-hoist Limit Device for Main and Auxiliary Hooks

When the hook is lifted to a certain height, the limit switch is activated with a buzzer on the control board sending an alarm to both electronic and hydraulic controls, and the hook lifting operation stops automatically.

➤ Over Roll-out Limit Device for Main and Auxiliary Hooks

It can send a signal when the wire rope is rolled out with only three wraps left on the drum, and the hook lowering operation stops automatically.

➤ Switch for Assembling Mode/ Operating Mode

The over-hoist limit device, over roll-out limit device, boom limits, and load moment limiter can be overridden in the assembling mode.

While under normal operating mode, all these safety devices are functioning.

➤ Boom Limit Device

The mechanical limits detecting device and load moment limiter boom angle limits detecting device ensure the boom and jib operate within safe angles.

➤ Boom Back-stop Device

The device comprises nested steel tubes and springs, and is installed between boom base and main platform. Depending on the elasticity of the springs, it can support the boom to prevent its retroversion.

➤ Winch Lock Device

All winches employ the normally-closed, blade-type, spring loaded brake, which features powerful brake, maintenance-free, safety, and long service life.

➤ Monitoring System

The operator can see the real-time situation of the luffing winches, hoisting winches, and rear of the crane through the high definition cameras.

➤ Fault Detecting System

It can provide information on faults automatically and send corresponding alarms. It can also display the working condition of electrical system and facilitate quick troubleshooting.

➤ Pharos

It is installed at the top of the boom system to send signal of height and hence allows the boom system to keep erecting at night.

➤ Anemometer

It is installed at the top of the boom system to detect real-time wind speed and can transmit the data the display at driver's cab.

➤ Gradiometer

The mechanical gradiometer is used as the benchmark and the electronic gradiometer is used as real-time detector for indicating the inclining angle of the crane and prompting safety operation.

➤ Boom Angle Indicator

Pendulum-type angle indicator mounted at the side close to the driver's cab of the boom base.

➤ Hook Clamp

Each kind of lifting hook is equipped with baffle used to prevent the hoisting wire rope from falling off.

➤ Operating Alarm

The operator can sound the horn to alert people around before any operation.

Specifications



Traveling/Slewing Alarm

The operating lamps are flickering and the buzzer is sounding during traveling and slewing.



Function Locking

If the function locking joystick is not in position or the operator is not at seat, all the other control levers are out of commission so as to prevent mis-operation.



Automatic Direction Changing

It ensures that the forward operation of the pedal makes the crane travel forward and vice versa in spite of the relative position of the upperworks to the lowerworks.



Engine Power Load Limit Adjustment and Stall Prevention

It adjusts through the power load according to real-time detecting the engine output power, preventing the engine stall or speed-lost.



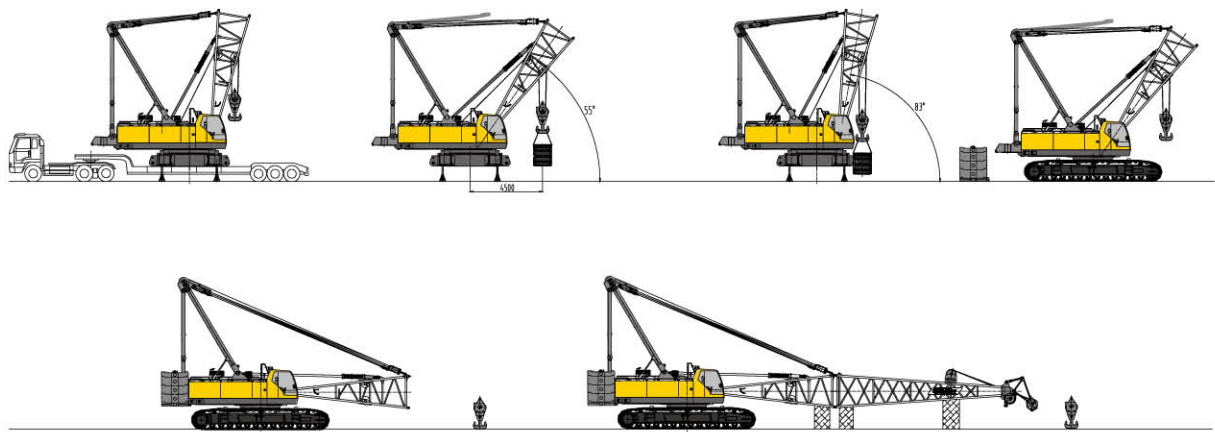
Monitoring Display

The high definition and true color display is the display terminal of the overall crane electrical system, showing engine working parameters, hydraulic system working state and parameters, parameters of all detecting points and output points of electrical system, and real-time parameters of ambient operating conditions.

Assembly

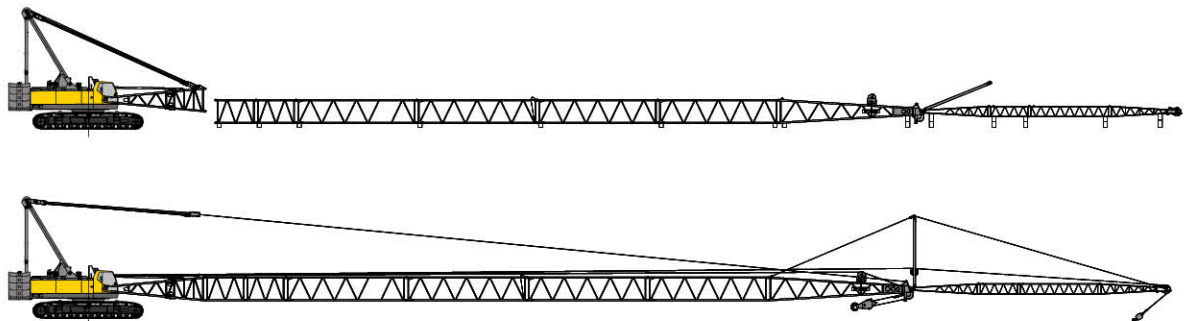
Self-assembly/disassembly

This crane is equipped with functions including the self-assembly/disassembly of crawler tracks and self-assembly/disassembly of counterweight. In the process of assembly, the crawler traveling tracks shall be assembled first and then the counterweight. In the process of disassembly, the counterweight shall be disassembled first and then the crawler traveling tracks. See the figures for detailed operation procedures.



Schematic Diagram of Self-assembly of Crawler Frame and Counterweight
(perform disassembly in exactly reverse order)

Assembly of Fixed Jib



Schematic Diagram of Jib Assembly

Key Words



Operating radius
Radius (R)



Main boom (H)
Boom angle
Mixed main boom (HJ)
Light main boom (H_L)



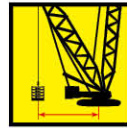
Fixed jib (FJ)
Fixed short jib (SF)
Light fixed short jib (SF_L)
Heavy fixed short jib (SF_H)



Luffing jib (LJ)



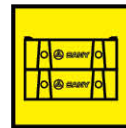
Superlift counterweight (B)
Superlift mast (D)



Superlift radius



Counterweight



Central ballast

Operating Condition Code:

H: Heavy main boom

H_L: Light main boom

HD (HDB): Heavy main boom + superlift mast (+ superlift counterweight)

HJ: Mixed main boom

HJD (HJDB): Mixed main boom + superlift mast (+ superlift counterweight)

FJ: Fixed jib

LJ: Luffing jib

LJD (LJDB): Luffing jib + superlift mast (+ superlift counterweight)

SF: Fixed short jib

SF_L: Light fixed short jib

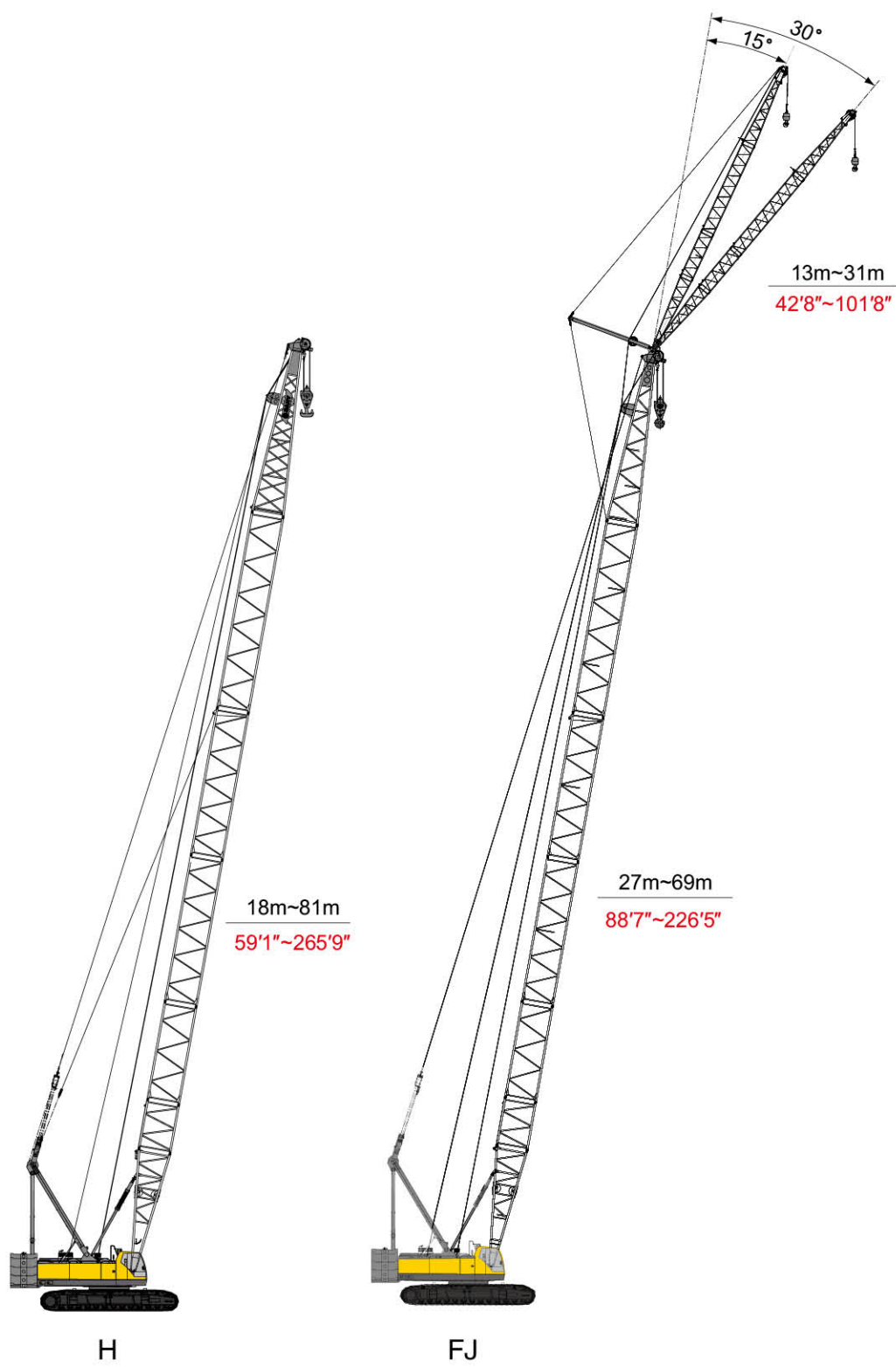
SF_LD SF_LDB): Light fixed short jib + superlift mast (+ superlift counterweight)

SF_H: Heavy fixed short jib

SF_HD (SF_HDB): Heavy fixed short jib + superlift mast (+ superlift counterweight)

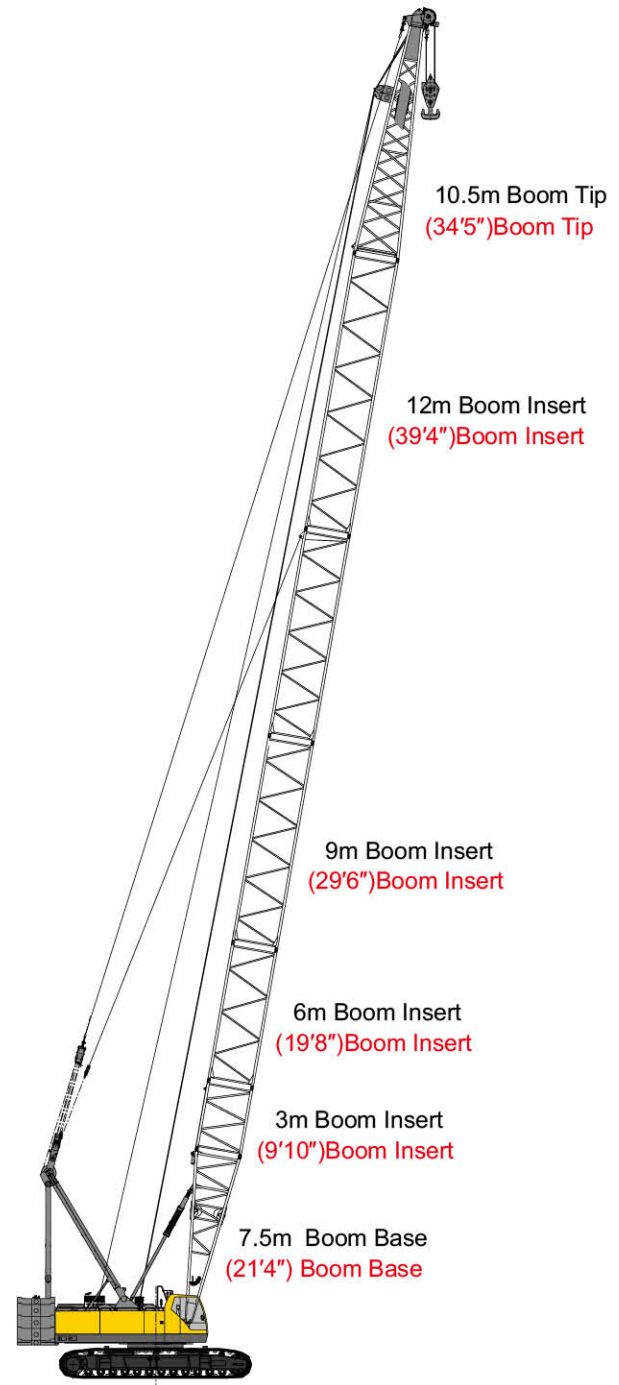
Note: These keywords are general terms. A specific product may not use all of them.

Operating Conditions

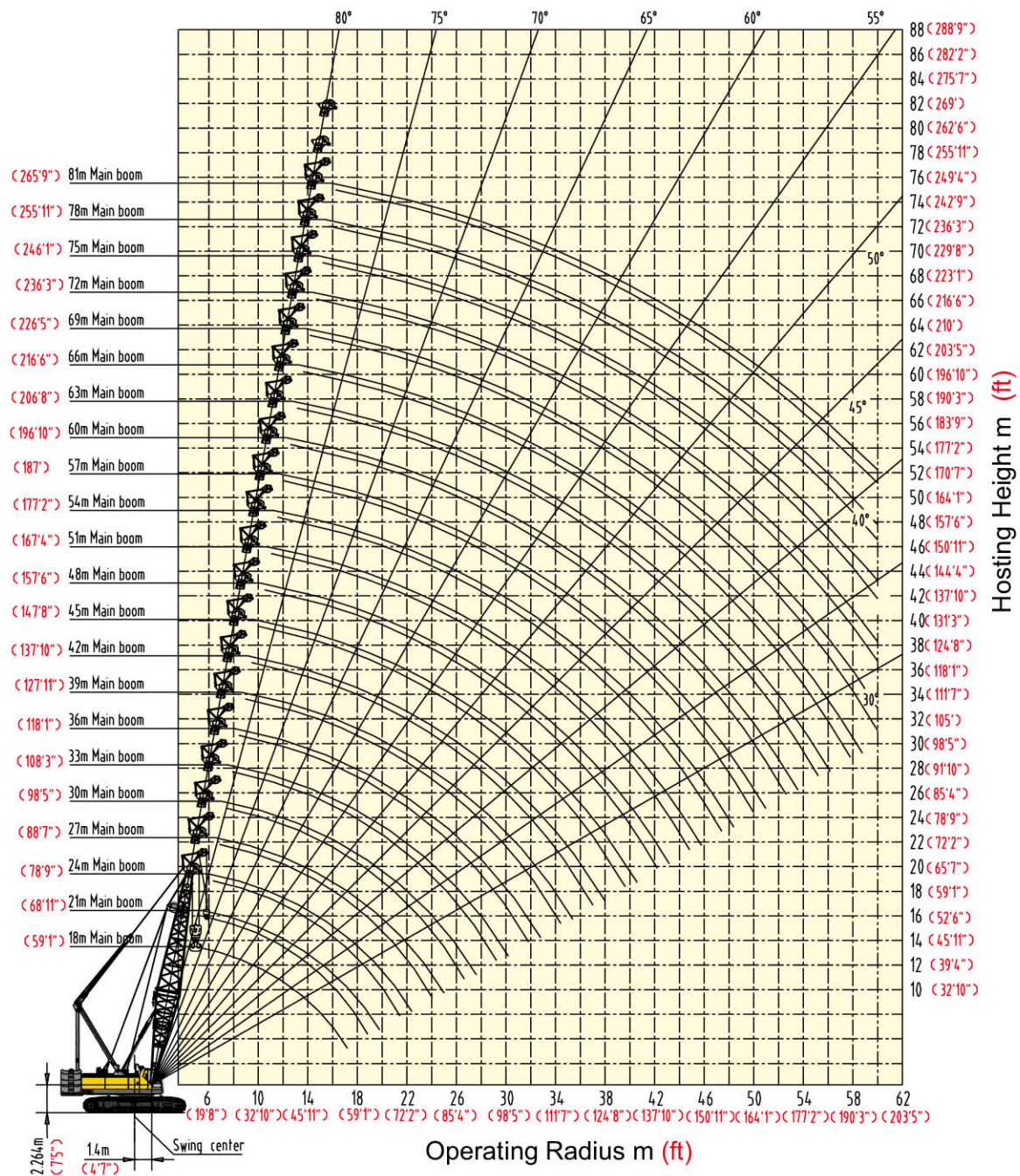


H Operating Condition/Combination of Boom

Boom Length (m)	Boom Insert			
	3m (9'10")	6m (19'8")	9m (29'6")	12m (39'4")
18(59'1")	—	—	—	—
21(68'11")	1	—	—	—
24(78'9")	—	1	—	—
27(88'7")	1	1	—	—
30(98'5")	1	—	1	—
	—	2	—	—
33(108'3")	1	2	—	—
	—	1	1	—
36(118'1")	1	1	1	—
39(127'11")	1	1	—	1
	1	—	2	—
	—	2	1	—
42(137'10")	1	2	1	—
	1	—	1	1
	—	1	2	—
45(147'8")	1	1	2	—
	—	1	1	1
48(157'6")	1	1	1	1
51(167'4")	1	1	—	2
	1	—	2	1
	—	2	1	1
54(177'2")	1	2	1	1
	1	—	1	2
	—	2	—	2
57(187")	1	1	2	1
	—	1	1	2
60(196'10")	1	1	1	2
63(206'8")	1	—	2	2
	1	2	2	1
66(216'6")	1	2	1	2
69(226'5")	1	1	2	2
	1	3	2	1
72(236'3")	—	2	2	2
	1	3	1	2
75(246'1")	1	2	2	2
78(255'11")	—	3	2	2
81(265'9")	1	3	2	2



Operating Range Diagram of H Operating Condition



Hoisting Height and Operating Range Diagram

Load Charts of H Operating Condition

Notes:

1. Cells 40% grayed and italicized indicate that the operating condition is with both the standard counterweight and additional counterweight; and cells framed and grayed indicate that the lifting capacity depends on strength of boom system.
2. Rated loads in the load charts are calculated in the condition that the crane is on hard, horizontal and evenly-supported ground to hoist load slowly and evenly at non-traveling state.
3. Rated loads in the load charts are calculated as 75% of the tipping load.
4. The actual lifting capacity is the value that rated load in the load charts deducting the weight of hook blocks and other lifting tools (150t(165USt) hook block weighted at 2,700kg(5,840lb), 100t(110USt) hook block weighted at 1,700kg(3,750lb), 50t(55USt) hook block weighted at 960kg(2,120lb), 25t(27.6USt) hook block weighted at 830kg(1,830lb), 13.5t(15USt) hook block weighted at 430kg(950lb)).
5. All rated loads listed in the load charts are all applicable to the whole 360°rotation.
6. Boom length ranges from 18m(59'1") to 81m(265'9").
7. Operating condition with additional counterweight (52,000kg+12,000kg) (114,640lb+26,500lb) is optional, not standard. Booms that allowed to install with additional counterweight range from 45m(147'8") to 81m(265'9").

Load Charts of H Operating Condition

Main Boom Load Charts 1/5							kg(lb)×1000
Length m (ft) Radius m (ft)	18 (59'1")	21 (68'11")	24 (78'9")	27 (88'7")	30 (98'5")	33 (108'3")	36 (118'1")
5 (16'5")	155/4.94m (341.7/16'2")	135.3/5.46m (298.3/17'11")					
6 (19'8")	144.0 (317.5)	129.8 (286.2)	120.3/5.95m (265.2/19'6")	106.1/6.5m (233.9/21'4")			
7 (22'12")	124.5 (274.5)	118.2 (260.6)	107.8 (237.7)	101.8 (224.4)	95.7 (211)	85.8/7.54m (189.2/24'9")	
8 (26'3")	99.7 (219.8)	99.6 (219.6)	99.4 (219.1)	99.2 (218.7)	90.1 (198.6)	83.9 (185)	77.9/8.07m (171.7/26'6")
9 (29'6")	83.0 (183)	82.8 (182.5)	82.7 (182.3)	82.4 (181.7)	82.3 (181.4)	82.0 (180.8)	74.7 (164.7)
10 (32'10")	70.9 (156.3)	70.8 (156.1)	70.6 (155.6)	70.4 (155.2)	70.2 (154.8)	70.0 (154.3)	69.8 (153.9)
11 (36'1")	61.9 (136.5)	61.7 (136)	61.5 (135.6)	61.3 (135.1)	61.1 (134.7)	60.9 (134.3)	60.7 (133.8)
12 (39'4")	54.8 (120.8)	54.6 (120.4)	54.5 (120.2)	54.2 (119.5)	54.1 (119.3)	53.8 (118.6)	53.6 (118.2)
13 (42'8")	49.1 (108.2)	48.9 (107.8)	48.8 (107.6)	48.5 (106.9)	48.4 (106.7)	48.1 (106)	47.9 (105.6)
14 (45'11")	44.5 (98.1)	44.3 (97.7)	44.1 (97.2)	43.8 (96.6)	43.7 (96.3)	43.4 (95.7)	43.3 (95.5)
15 (49'3")	40.6 (89.5)	40.4 (89.1)	40.2 (88.6)	40.0 (88.2)	39.8 (87.7)	39.5 (87.1)	39.4 (86.9)
16 (52'6")	37.3 (82.2)	37.1 (81.8)	36.9 (81.3)	36.7 (80.9)	36.5 (80.5)	36.2 (79.8)	36.1 (79.6)
17 (55'9")	34/17.19m (75/56'5")	34.3 (75.6)	34.1 (75.2)	33.8 (74.5)	33.7 (74.3)	33.4 (73.6)	33.2 (73.2)
18 (59'1")		31.8 (70.1)	31.7 (69.9)	31.4 (69.2)	31.2 (68.8)	31.0 (68.3)	30.8 (67.9)
19 (62'4")		29.7 (65.5)	29.5 (65)	29.2 (64.4)	29.1 (64.2)	28.8 (63.5)	28.6 (63.1)
20 (65'7")		28.1/19.8m (61.9/64'12")	27.6 (60.8)	27.3 (60.2)	27.2 (60)	26.9 (59.3)	26.7 (58.9)
21 (68'11")			25.9 (57.1)	25.6 (56.4)	25.5 (56.2)	25.2 (55.6)	25.0 (55.1)
22 (72'2")			23.9/22.4m (52.7/73'6")	24.1 (53.1)	24.0 (52.9)	23.7 (52.2)	23.5 (51.8)
23 (75'6")				22.8 (50.3)	22.6 (49.8)	22.3 (49.2)	22.2 (48.9)
24 (78'9")				21.5 (47.4)	21.4 (47.2)	21.1 (46.5)	20.9 (46.1)
26 (85'4")				20.4/25m (45/82'0")	19.2 (42.3)	18.9 (41.7)	18.8 (41.4)
28 (91'10")					17.8/27.6m (39.2/90'7")	17.1 (37.7)	17.0 (37.5)
30 (98'5")						15.5/30.2m (34.2/99'1")	15.4 (34)
32 (104'12")							14.1 (31.1)
34 (111'7")							13.6/32.8m (30/107'7")
Counterweight kg(lb)×1000	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)
Multiplying - factor	14	12	10	9	8	7	6

Load Charts of H Operating Condition

Main Boom Load Charts 2/5								
kg(lb)×1000								
Length m(ft)	39	42	45	48	51			
Radius m(ft)	(127'11")	(137'10")	(147'8")	(157'6")	(167'4")			
8	70.8/8.58m (156.1/28'2")							
(26'3")								
9	68.7	64.5/9.1m	58.7/9.63m	58.7/9.63m				
(29'6")	(151.5)	(142.2/29'10")	(129.4/31'7")	(129.4/31'7")				
10	64.8	62.2	57.9	57.9	54/10.1m	54/10.1m	49.3/10.6m	49.3/10.6m
(32'10")	(142.9)	(137.1)	(127.6)	(127.6)	(119/33'2")	(119/33'2")	(108.7/34'9")	(108.7/34'9")
11	61.1	57.8	56.7	56.7	52.5	52.5	48.3	48.3
(36'1")	(134.7)	(127.4)	(125)	(125)	(115.7)	(115.7)	(106.5)	(106.5)
12	53.4	53.3	53.1	55.5	50.9	50.9	47.2	47.2
(39'4")	(117.7)	(117.5)	(117.1)	(122.4)	(112.2)	(112.2)	(104.1)	(104.1)
13	47.8	47.6	47.4	54.3	47.2	49.5	45.5	45.5
(42'8")	(105.4)	(104.9)	(104.5)	(119.7)	(104.1)	(109.1)	(100.3)	(100.3)
14	43.1	42.9	42.7	49.0	42.5	48.1	42.3	43.8
(45'11")	(95)	(94.6)	(94.1)	(108)	(93.7)	(106)	(93.3)	(96.6)
15	39.2	39.0	38.8	44.6	38.6	44.3	38.4	42.1
(49'3")	(86.4)	(86)	(85.5)	(98.3)	(85.1)	(97.7)	(84.7)	(92.8)
16	35.9	35.7	35.5	40.8	35.3	40.6	35.1	40.4
(52'6")	(79.1)	(78.7)	(78.3)	(89.9)	(77.8)	(89.5)	(77.4)	(89.1)
17	33.0	32.9	32.7	37.6	32.5	37.4	32.3	37.2
(55'9")	(72.8)	(72.5)	(72.1)	(82.9)	(71.6)	(82.5)	(71.2)	(82)
18	30.6	30.4	30.2	34.8	30.0	34.6	29.8	34.4
(59'1")	(67.5)	(67)	(66.6)	(76.7)	(66.1)	(76.3)	(65.7)	(75.8)
19	28.4	28.3	28.1	32.4	27.8	32.1	27.6	31.9
(62'4")	(62.6)	(62.4)	(61.9)	(71.4)	(61.3)	(70.8)	(60.8)	(70.3)
20	26.5	26.4	26.2	30.2	25.9	30.0	25.7	29.8
(65'7")	(58.4)	(58.2)	(57.8)	(66.6)	(57.1)	(66.1)	(56.7)	(65.7)
21	24.8	24.7	24.5	28.3	24.2	28.1	24.0	27.9
(68'11")	(54.7)	(54.5)	(54)	(62.4)	(53.4)	(31)	(52.9)	(61.5)
22	23.3	23.2	23.0	26.6	22.7	26.3	22.5	26.1
(72'2")	(51.4)	(51.1)	(50.7)	(58.6)	(50)	(29)	(49.6)	(57.5)
23	22.0	21.8	21.6	25.1	21.3	24.8	21.1	24.6
(75'6")	(48.5)	(48.1)	(47.6)	(55.3)	(47)	(54.7)	(46.5)	(54.2)
24	20.7	20.6	20.4	23.7	20.1	23.4	19.9	23.2
(78'9")	(45.6)	(45.4)	(45)	(52.2)	(44.3)	(51.6)	(43.9)	(51.1)
26	18.6	18.4	18.2	21.2	18.0	21.0	17.8	20.8
(85'4")	(41)	(40.6)	(40.1)	(46.7)	(39.7)	(46.3)	(39.2)	(45.9)
28	16.8	16.6	16.4	19.2	16.1	18.9	15.9	18.7
(91'10")	(37)	(36.6)	(36.2)	(42.3)	(35.5)	(41.7)	(35.1)	(41.2)
30	15.2	15.1	14.9	17.4	14.6	17.2	14.4	17.0
(98'5")	(33.5)	(33.3)	(32.8)	(38.4)	(32.2)	(37.9)	(31.7)	(37.5)
32	13.9	13.7	13.5	15.9	13.3	15.7	13.1	15.5
(104'12")	(30.6)	(30.2)	(29.8)	(35.1)	(29.3)	(34.6)	(28.9)	(34.2)
34	12.7	12.6	12.4	14.6	12.1	14.3	11.9	14.1
(111'7")	(28)	(27.8)	(27.3)	(32.2)	(26.7)	(31.5)	(26.2)	(31.1)
36	12/35.38m	11.6	11.3	13.4	11.1	13.2	10.9	13.0
(118'1")	(26.5/116'1")	(25.6)	(24.9)	(29.5)	(24.5)	(29.1)	(24)	(28.7)
38		10.7/37.95m	10.4	12.4	10.2	12.2	10.0	12.0
(124'8")		(23.6/124'6")	(22.9)	(27.3)	(22.5)	(26.9)	(22)	(26.5)
40			9.4/40.58m	11.3/40.58m	9.4	11.3	9.2	11.0
(131'3")			(20.7/133'2")	(24.9/133'2")	(20.7)	(24.9)	(20.3)	(24.3)
42					8.7	10.4	8.5	10.2
(137'10")					(19.2)	(22.9)	(18.7)	(22.5)
44					8.3/43.2m	10.0/43.2m	7.3/45.75m	8.9/45.75m
(144'4")					(18.3/141'9")	(22/141'9")	(16.1/150'1")	(19.6/150'1")
Counterweight	53	53	53	53+12	53	53+12	53	53+12
kg(lb)×1000	(116.8)	(116.8)	(116.8)	(116.8+26.5)	(116.8)	(116.8+26.5)	(116.8)	(116.8+26.5)
Multiplying factor	6	5	5	5	5	5	4	4

Load Charts of H Operating Condition

Main Boom Load Charts 3/5								
								kg(lb)×1000
Length m(ft) Radius m(ft)	54 (177'2")		57 (187'0")		60 (196'10")		63 (206'8")	
11 (36'1")	45.5/11.2m (100.3/36'9")	45.5/11.2m (100.3/36'9")	41.8/11.7m (92.2/38'5")	41.8/11.7m (92.2/38'5")				
12 (39'4")	44.2 (97.4)	44.2 (97.4)	41.4 (91.3)	41.4 (91.3)	39.2/12.2m (86.4/40'0")	39.2/12.2m (86.4/40'0")		
13 (42'8")	43.0 (94.8)	43.0 (94.8)	40.1 (88.4)	40.1 (88.4)	37.9 (83.6)	37.9 (83.6)	35/12.75m (77.2/41'10")	35/12.75m (77.2/41'10")
14 (45'11")	42.1 (92.8)	42.5 (93.7)	38.7 (85.3)	38.7 (85.3)	36.7 (80.9)	36.7 (80.9)	33.6 (74.1)	33.6 (74.1)
15 (49'3")	38.1 (84)	40.6 (89.5)	38.0 (83.8)	37.9 (83.6)	35.0 (77.2)	35.0 (77.2)	32.2 (71)	32.2 (71)
16 (52'6")	34.8 (76.7)	38.7 (85.3)	34.7 (76.5)	36.6 (80.7)	33.3 (73.4)	33.3 (73.4)	30.8 (67.9)	30.8 (67.9)
17 (55'9")	32.0 (70.5)	36.9 (81.3)	31.8 (70.1)	35.2 (77.6)	31.6 (69.7)	32.2 (71)	29.4 (64.8)	29.4 (64.8)
18 (59'1")	29.5 (65)	34.1 (75.2)	29.3 (64.6)	33.9 (74.7)	29.2 (64.4)	31.2 (68.8)	28.0 (61.7)	28.0 (61.7)
19 (62'4")	27.4 (60.4)	31.7 (69.9)	27.2 (60)	31.5 (69.4)	27.0 (59.5)	30.1 (66.4)	26.8 (59.1)	27.5 (60.6)
20 (65'7")	25.5 (56.2)	29.5 (65)	25.3 (55.8)	29.3 (64.6)	25.1 (55.3)	29.1 (64.2)	24.9 (54.9)	27.0 (59.5)
21 (68'11")	23.8 (52.5)	27.6 (60.8)	23.6 (52)	27.4 (60.4)	23.4 (51.6)	27.2 (60)	23.2 (51.1)	26.1 (57.5)
22 (72'2")	22.2 (48.9)	25.9 (57.1)	22.1 (48.7)	25.7 (56.7)	21.9 (48.3)	25.5 (56.2)	21.6 (47.6)	25.3 (55.8)
23 (75'6")	20.9 (46.1)	24.3 (53.6)	20.7 (45.6)	24.1 (53.1)	20.5 (45.2)	23.9 (52.7)	20.3 (44.8)	23.7 (52.2)
24 (78'9")	19.6 (43.2)	22.9 (50.5)	19.5 (43)	22.7 (50)	19.3 (42.5)	22.5 (49.6)	19.0 (41.9)	22.3 (49.2)
26 (85'4")	17.5 (38.6)	20.5 (45.2)	17.3 (38.1)	20.3 (44.8)	17.1 (37.7)	20.1 (44.3)	16.9 (37.3)	19.9 (43.9)
28 (91'10")	15.7 (34.6)	18.4 (40.6)	15.5 (34.2)	18.3 (40.3)	15.3 (33.7)	18.0 (39.7)	15.1 (33.3)	17.8 (39.2)
30 (98'5")	14.1 (31.1)	16.7 (36.8)	13.9 (30.6)	16.5 (36.4)	13.7 (30.2)	16.3 (35.9)	13.5 (29.8)	16.1 (35.5)
32 (104'12")	12.8 (28.2)	15.2 (33.5)	12.6 (27.8)	15.0 (33.1)	12.4 (27.3)	14.8 (32.6)	12.2 (26.9)	14.6 (32.2)
34 (111'7")	11.6 (25.6)	13.9 (30.6)	11.4 (25.1)	13.7 (30.2)	11.2 (24.7)	13.5 (29.8)	11.0 (24.3)	13.3 (29.3)
36 (118'1")	10.6 (23.4)	12.7 (28)	10.4 (22.9)	12.5 (27.6)	10.2 (22.5)	12.3 (27.1)	10.0 (22)	12.1 (26.7)
38 (124'8")	9.7 (21.4)	11.7 (25.8)	9.5 (20.9)	11.5 (25.4)	9.3 (20.5)	11.3 (24.9)	9.1 (20.1)	11.1 (24.5)
40 (131'3")	8.9 (19.6)	10.8 (23.8)	8.7 (19.2)	10.6 (23.4)	8.5 (18.7)	10.4 (22.9)	8.3 (18.3)	10.2 (22.5)
42 (137'10")	8.2 (18.1)	9.9 (21.8)	8.0 (17.6)	9.8 (21.6)	7.8 (17.2)	9.6 (21.2)	7.6 (16.8)	9.3 (20.5)
44 (144'4")	7.5 (16.5)	9.2 (20.3)	7.3 (16.1)	9.0 (19.8)	7.1 (15.7)	8.8 (19.4)	6.8 (15)	8.6 (19)
46 (150'11")	6.9 (15.2)	8.5 (18.7)	6.7 (14.8)	8.3 (18.3)	6.5 (14.3)	8.1 (17.9)	6.2 (13.7)	7.9 (17.4)
48 (157'6")	6.2/48.38m (13.7/158'9")	7.8/48.38m (17.2/158'9")	6.1 (13.4)	7.7 (17)	5.9 (13)	7.5 (16.5)	5.6 (12.3)	7.3 (16.1)
50 (164'0")			5.3/50.97m (11.7/167'3")	6.9/50.97m (15.2/167'3")	5.3 (11.7)	6.9 (15.2)	5.1 (11.2)	6.7 (14.8)
52 (170'7")					4.8 (10.6)	6.4 (14.1)	4.6 (10.1)	6.1 (13.4)
54 (177'2")					4.5/53.57m (9.9/175'9")	6.0/53.57m (13.2/175'9")	4.1 (9)	5.6 (12.3)
56 (183'9")							3.7/56.16m (8.2/184'3")	5.1/56.16m (11.2/184'3")
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)
Multiplying - factor	4	4	4	4	4	4	3	3

Load Charts of H Operating Condition

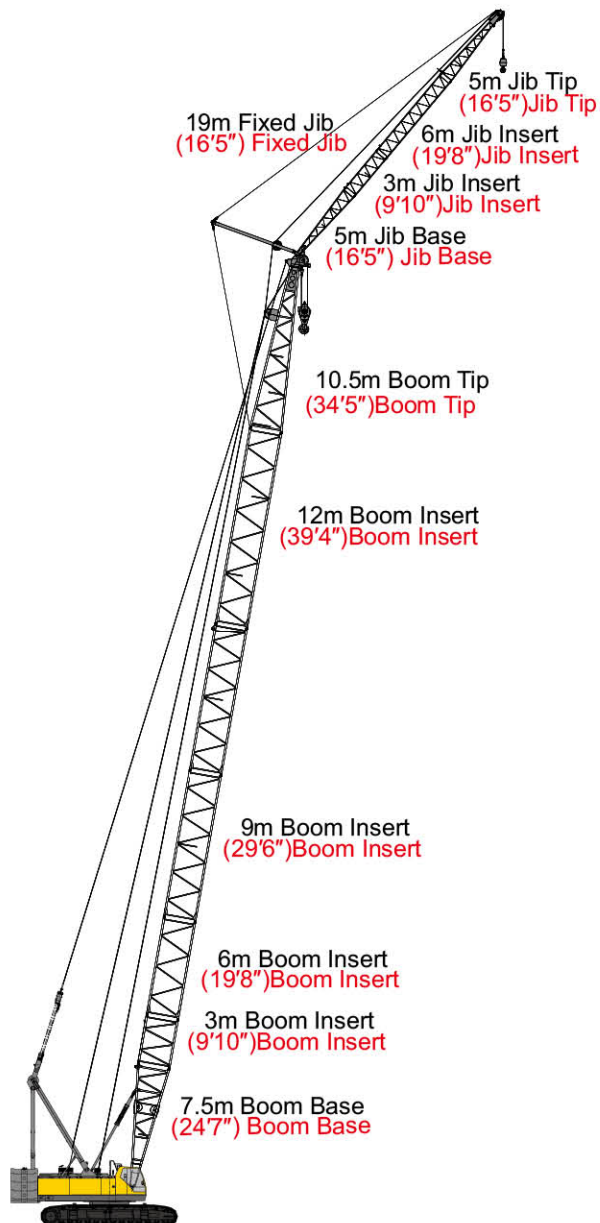
Main Boom Load Charts 4/5								
kg(lb)×1000								
Length m(ft)	66 (216'6")		69 (226'5")		72 (236'3")		75 (246'1")	
Radius m(ft)								
13 (42'8")	31.5/13.2m (69.4/43'4")	31.5/13.2m (69.4/43'4")						
14 (45'11")	30.9 (68.1)	30.9 (68.1)	28.3/13.8m (62.4/45'3")	28.3/13.8m (62.4/45'3")	25.5/14.3m (56.2/46'11")	25.5/14.3m (56.2/46'11")		
15 (49'3")	29.8 (65.6)	29.8 (65.7)	27.3 (60.2)	27.3 (60.2)	24.9 (54.9)	24.9 (54.9)	22.7/14.8m (50/48'7")	22.7/14.8m (50/48'7")
16 (52'6")	28.6 (63.1)	28.6 (63.1)	26.5 (58.4)	26.5 (58.4)	24.3 (53.6)	24.3 (53.6)	22.1 (48.7)	22.1 (48.7)
17 (55'9")	27.5 (60.6)	27.5 (60.6)	25.6 (56.3)	25.6 (56.3)	23.6 (52)	23.6 (52)	21.6 (47.6)	21.6 (47.6)
18 (59'1")	26.4 (58.2)	26.4 (58.2)	24.6 (54.2)	24.6 (54.2)	22.9 (50.4)	22.9 (50.5)	21.1 (46.5)	21.1 (46.5)
19 (62'4")	25.2 (55.6)	25.2 (55.6)	23.7 (52.1)	23.7 (52.1)	22.1 (48.8)	22.1 (48.7)	20.6 (45.4)	20.6 (45.4)
20 (65'7")	24.0 (52.9)	24.0 (52.9)	22.7 (50)	22.7 (50)	21.4 (47.2)	21.4 (47.2)	20.1 (44.3)	20.1 (44.3)
21 (68'11")	22.9 (50.5)	23.5 (51.8)	21.8 (48)	21.8 (48)	20.7 (45.5)	20.7 (45.6)	19.6 (43.1)	19.6 (43.1)
22 (72'2")	21.4 (47.2)	23.0 (50.7)	20.8 (45.9)	20.8 (45.9)	19.9 (43.9)	19.9 (43.9)	19.0 (41.9)	19.0 (41.9)
23 (75'6")	20.0 (44.1)	22.5 (49.6)	19.8 (43.7)	20.3 (44.8)	19.2 (42.3)	19.2 (42.3)	18.5 (40.7)	18.5 (40.7)
24 (78'9")	18.8 (41.4)	22.1 (48.7)	18.6 (41)	19.8 (43.7)	18.3 (40.3)	18.5 (40.8)	17.9 (39.5)	17.9 (39.5)
26 (85'4")	16.6 (36.6)	19.6 (43.2)	16.4 (36.2)	18.6 (41)	16.2 (35.7)	17.8 (39.2)	16.0 (35.3)	17.0 (37.5)
28 (91'10")	14.8 (32.6)	17.6 (38.8)	14.6 (32.2)	17.4 (38.4)	14.4 (31.7)	17.1 (37.7)	14.2 (31.3)	16.1 (35.5)
30 (98'5")	13.3 (29.3)	15.8 (34.8)	13.1 (28.9)	15.6 (34.4)	12.8 (28.2)	15.4 (34)	12.6 (27.8)	15.2 (33.5)
32 (104'12")	11.9 (26.2)	14.3 (31.5)	11.7 (25.8)	14.1 (31.1)	11.5 (25.4)	13.9 (30.6)	11.3 (24.9)	13.7 (30.2)
34 (111'7")	10.8 (23.8)	13.0 (28.7)	10.6 (23.4)	12.8 (28.2)	10.3 (22.7)	12.6 (27.8)	10.1 (22.3)	12.3 (27.1)
36 (118'1")	9.8 (21.6)	11.9 (26.2)	9.5 (20.9)	11.6 (25.6)	9.3 (20.5)	11.4 (25.1)	9.1 (20.1)	11.2 (24.7)
38 (124'8")	8.9 (19.6)	10.8 (23.8)	8.6 (19)	10.6 (23.4)	8.4 (18.5)	10.4 (22.9)	8.1 (17.9)	10.1 (22.3)
40 (131'3")	8.0 (17.6)	9.9 (21.8)	7.8 (17.2)	9.7 (21.4)	7.5 (16.5)	9.4 (20.7)	7.2 (15.9)	9.2 (20.3)
42 (137'10")	7.3 (16.1)	9.1 (20.1)	7.0 (15.4)	8.9 (19.6)	6.7 (14.8)	8.6 (19)	6.4 (14.1)	8.4 (18.5)
44 (144'4")	6.6 (14.6)	8.4 (18.5)	6.3 (13.9)	8.1 (17.9)	6.0 (13.2)	7.8 (17.2)	5.7 (12.6)	7.6 (16.8)
46 (150'11")	5.9 (13)	7.7 (17)	5.6 (12.3)	7.4 (16.3)	5.4 (11.9)	7.1 (15.7)	5.1 (11.2)	6.8 (15)
48 (157'6")	5.3 (11.7)	7.0 (15.4)	5.1 (11.2)	6.7 (14.8)	4.8 (10.6)	6.4 (14.1)	4.5 (9.9)	6.2 (13.7)
50 (164'0")	4.8 (10.6)	6.4 (14.1)	4.5 (9.9)	6.1 (13.4)	4.2 (9.3)	5.8 (12.8)	4.0 (8.8)	5.6 (12.3)
52 (170'7")	4.3 (9.5)	5.8 (12.8)	4.0 (8.8)	5.6 (12.3)	3.7 (8.2)	5.3 (11.7)	3.5 (7.7)	5.0 (11)
54 (177'2")	3.8 (8.4)	5.3 (11.7)	3.6 (7.9)	5.0 (11)	3.3 (7.3)	4.8 (10.6)	3.0 (6.6)	4.5 (9.9)
56 (183'9")	3.4 (7.5)	4.8 (10.6)	3.2 (7.1)	4.6 (10.1)	2.9 (6.4)	4.3 (9.5)	2.6 (5.7)	4.0 (8.8)
58 (190'3")	2.9/58.8m (6.4/192'11")	4.2/58.8m (9.3/192'11")	2.8 (6.2)	4.1 (9)	2.5 (5.5)	3.8 (8.4)	2.2 (4.9)	3.6 (7.9)
60 (196'10")			2.4 (5.3)	3.7 (8.2)	2.1 (4.6)	3.4 (7.5)	1.8 (4)	3.2 (7.1)
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)
Multiplying - factor	3	3	3	3	2	2	2	2

Load Charts of H Operating Condition

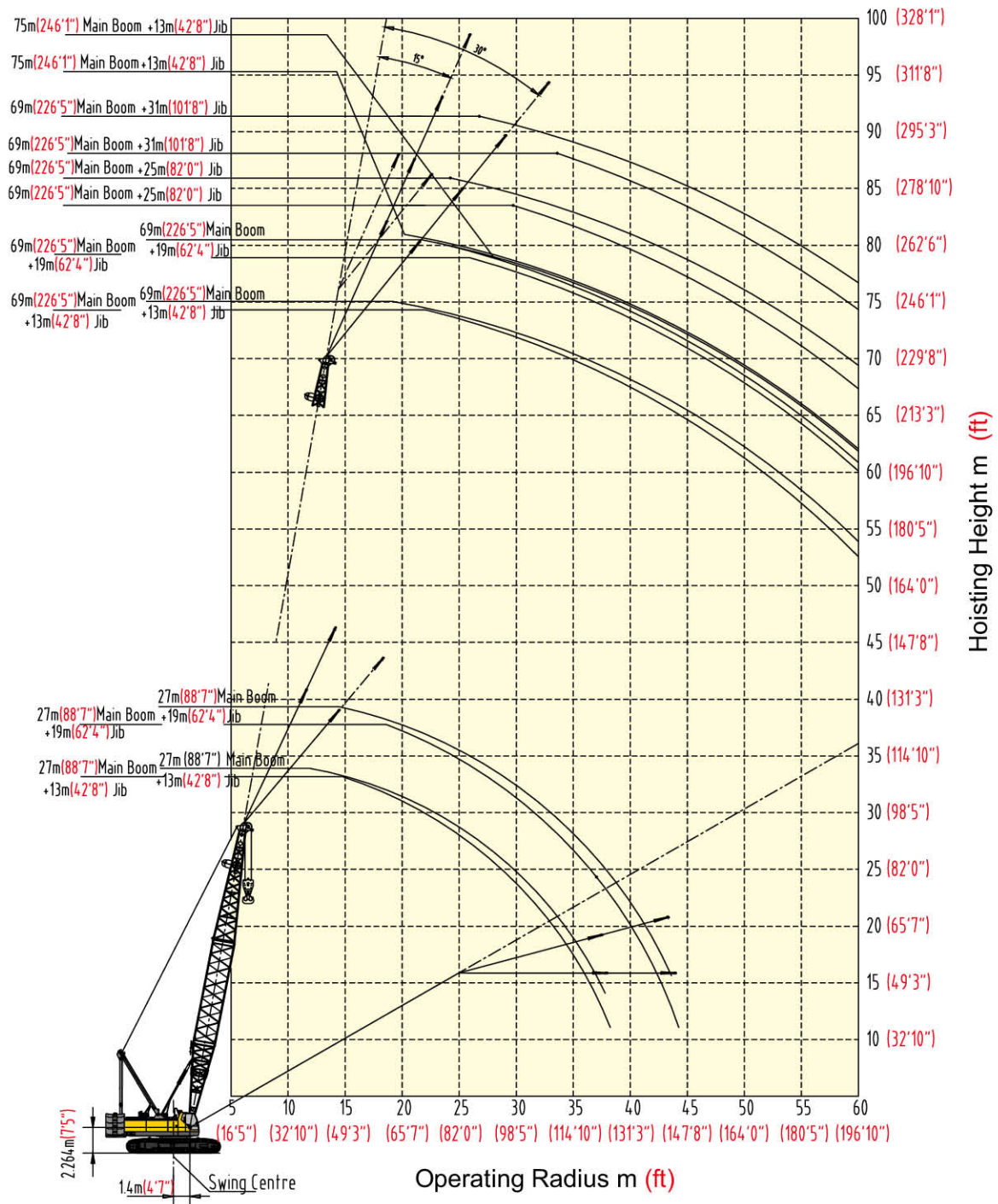
Main Boom Load Charts 5/5					kg(lb)×1000			
Length m(ft)	78 (255'11")		81 (265'9")					
Radius m (ft)								
15 (49'3")	22/15.3m (48.5/50'2")	22/15.3m (48.5/50'2")						
16 (52'6")	21.4 (47.1)	21.4 (47.2)	20.6 (45.4)	20.6 (45.4)				
17 (55'9")	20.9 (46)	20.9 (46.1)	20.2 (44.5)	20.2 (44.5)				
18 (59'1")	20.4 (45)	20.4 (45)	19.7 (43.4)	19.7 (43.4)				
19 (62'4")	19.9 (43.9)	19.9 (43.9)	19.2 (42.3)	19.2 (42.3)				
20 (65'7")	19.4 (42.8)	19.4 (42.8)	18.7 (41.2)	18.7 (41.2)				
21 (68'11")	18.9 (41.6)	18.9 (41.7)	18.2 (40.1)	18.2 (40.1)				
22 (72'2")	18.4 (40.5)	18.4 (40.6)	17.7 (39)	17.7 (39)				
23 (75'6")	17.8 (39.3)	17.8 (39.2)	17.2 (37.9)	17.2 (37.9)				
24 (78'9")	17.3 (38.1)	17.3 (38.1)	16.7 (36.8)	16.7 (36.8)				
26 (85'4")	15.7 (34.6)	16.5 (36.4)	15.5 (34.2)	16.0 (35.3)				
28 (91'10")	13.9 (30.6)	15.6 (34.4)	13.7 (30.2)	15.4 (34)				
30 (98'5")	12.4 (27.3)	14.9 (32.8)	12.2 (26.9)	14.7 (32.4)				
32 (104'12")	11.0 (24.3)	13.4 (29.5)	10.8 (23.8)	13.2 (14.6)				
34 (111'7")	9.9 (21.8)	12.1 (26.7)	9.7 (21.4)	11.9 (26.2)				
36 (118'1")	8.8 (19.4)	10.9 (24)	8.6 (19)	10.7 (23.6)				
38 (124'8")	7.8 (17.2)	9.9 (21.8)	7.6 (16.8)	9.7 (21.4)				
40 (131'3")	6.9 (15.2)	9.0 (19.8)	6.7 (14.8)	8.7 (19.2)				
42 (137'10")	6.2 (13.7)	8.1 (17.9)	5.9 (13)	7.8 (17.2)				
44 (144'4")	5.4 (11.9)	7.3 (16.1)	5.2 (11.5)	7.0 (15.4)				
46 (150'11")	4.8 (10.6)	6.5 (14.3)	4.5 (9.9)	6.3 (13.9)				
48 (157'6")	4.2 (9.3)	5.9 (13)	4.0 (8.8)	5.6 (12.3)				
50 (164'0")	3.7 (8.2)	5.3 (11.7)	3.4 (7.5)	5.0 (11)				
52 (170'7")	3.2 (7.1)	4.7 (10.4)	2.9 (6.4)	4.5 (9.9)				
54 (177'2")	2.7 (6)	4.2 (9.3)	2.5 (5.5)	3.9 (8.6)				
56 (183'9")	2.3 (5.1)	3.7 (8.2)	2.0 (4.4)	3.5 (7.7)				
58 (190'3")	1.9 (4.2)	3.3 (7.3)	1.7 (3.7)	3.0 (6.6)				
60 (196'10")	1.5 (3.3)	2.9 (6.4)	1.3 (2.9)	2.6 (5.7)				
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)				
Multiplying - factor	2	2	2	2				

FJ Operating Condition/Combination of Jib

Jib Length (m)	Jib Insert		Boom Length (m) (ft)	Jib Offset Angle
	13(42'8")	13(42'8")		
13(42'8")	1	—	27 ~ 75 (88'7" ~ 246'1")	15° , 30°
19(62'4")	1	1	27 ~ 69 (88'7" ~ 226'5")	15° , 30°
25(82')	1	2	33 ~ 69 (108'3" ~ 226'5")	15° , 30°
31(101'8")	1	3	39 ~ 69 (108'3" ~ 226'5")	15° , 30°



Operating Range Diagram of FJ Operating Condition



Hoisting Height and Operating Range Diagram

Load Charts of FJ Operating Condition

Notes:

1. Cells 40% grayed and italicized indicate that the operating condition is with both the standard counterweight and additional counterweight; and cells framed and grayed indicate that the lifting capacity depends on strength of boom system.
2. Rated loads in the load charts are calculated in the condition that the crane is on hard, horizontal and evenly-supported ground to hoist load slowly and evenly at non-traveling state.
3. Rated loads in the load charts are calculated as 75% of the tipping load.
4. The actual lifting capacity is the value that rated load in the load charts deducting the weight of hook blocks and other lifting tools (150t(165USt) hook block weighted at 2,700kg (5,840lb), 100t(110USt) hook block weighted at 1,700kg(3,750lb), 50t (55USt) hook block weighted at 960kg(2,120lb), 25t (27.6USt)hook block weighted at 830kg(1,830lb), 13.5t(15USt) hook block weighted at 430kg(950lb)) .
5. All rated loads listed in the load charts are all applicable to the whole 360°rotation.
6. Boom length ranges from 18m(59'1") to 81m(265'9").
7. Operating condition with additional counterweight (52,000kg+12,000kg) (114,640lb+26,500lb)is optional, not standard. Booms that allowed to install with additional counterweight range from 45m (147'8") to 81m(265'9").

Load Charts of FJ Operating Condition

Fixed Jib Load Charts 1/12									kg(lb)×1000
Boom length m (ft)	27 (88'7")				30 (98'5")				
Jib length m (ft)	13 (42'8")		19 (62'4")		13 (42'8")		19 (62'4")		
Jib angle	15°	30°	15°	30°	15°	30°	15°	30°	
Radius m (ft)									
12 (39'4")	13.0/12.3m (28.7/40'4")				13.0/12.9m (28.7/42'4")				
14 (45'11")	13.0 (28.7)	9.0/15.1m (19.8/49'6")	8.0/14.9m (17.6/48'11")		13.0 (28.7)	9.0/15.7m (19.8/51'6")	8.0/15.5m (17.6/50'10")		
16 (52'6")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)		13.0 (28.7)	9.0 (19.8)	8.0 (17.6)		
18 (59'1")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0/19.1m (13.2/62'8")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0/19.6m (13.2/64'4")	
20 (65'7")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	
22 (72'2")	13.0/23.2m (28.7/76'1")	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	
24 (78'9")	12.7 (28)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	13.0/24.8m (28.7/81'4")	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	
26 (85'4")	12.3/24.9m (27.1/81'8")	9.0/24.9m (19.8/81'8")	8.0/24.9m (17.6/81'8")	6.0/24.9m (13.2/81'8")	12.5 (27.6)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	
28 (91'10")					11.9/27.5m (26.2/90'3")	9.0/27.5m (19.8/90'3")	8.0/27.5m (17.6/90'3")	6.0/27.5m (13.2/90'3")	
Counterweight kg(lb)×1000	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	

Boom length m (ft)	33 (108'3")					
Jib length m (ft)	13 (42'8")		19 (62'4")		25 (82'0")	
Jib angle	15°	30°	15°	30°	15°	30°
Radius m (ft)						
12 (39'4")	13.0/13.4m (28.7/43'12")					
14 (45'11")	13.0 (28.7)					
16 (52'6")	13.0 (28.7)	9.0/16.3m (19.8/53'6")	8.0/16.1m (17.6/52'10")			
18 (59'1")	13.0 (28.7)	9.0 (9.9)	8.0 (8.8)		5.0/18.7m (11/61'4")	
20 (65'7")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0/20.2m (13.2/66'3")	5.0 (11)	
22 (72'2")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	
24 (78'9")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6/24.2m (10.1/79'5")
26 (85'4")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)
28 (91'10")	12.3 (27.1)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)
30 (98'5")	11.6/30.1m (25.6/98'9")	9.0/30.1m (19.8/98'9")	8.0/30.1m (17.6/98'9")	6.0/30.1m (13.2/98'9")	5.0/30.1m (11/98'9")	4.6/30.1m (10.1/98'9")
Counterweight kg(lb)×1000	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)

Load Charts of FJ Operating Condition

Fixed Jib Load Charts 2/12									kg(lb)×1000
Boom length m (ft)		36 (118'1")							
Jib length m (ft)		13 (42'8")		19 (62'4")		25 (82'0")			
Jib angle		15°	30°	15°	30°	15°	30°		
Radius m (ft)									
14 (45'11")	13.0/14.1m (28.7/46'3")								
16 (52'6")	13.0 (28.7)	9.0/16.9m (19.8/55'5")	8.0/16.7m (17.6/54'9")						
18 (59'1")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)		5.0/19.3m (11/63'4")				
20 (65'7")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0/20.8m (13.2/68'3")	5.0 (11)				
22 (72'2")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)				
24 (78'9")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6/24.7m (10.1/81'0")			
26 (85'4")	13.0/27.6m (28.7/90'7")	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)			
28 (91'10")	12.8 (28.2)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)			
30 (98'5")	12.2 (26.9)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)			
32 (85'4")	11.6 (25.6)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)			
34 (111'7")	11.4/32.7m (25.1/107'3")	9.0/32.7m (19.8/107'3")	8.0/32.7m (17.6/107'3")	6.0/32.7m (13.2/107'3")	5.0/32.7m (11/107'3")	4.6/32.7m (10.1/107'3")			
Counterweight kg(lb)×1000	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)			

Boom length m (ft)		39 (127'11")							
Jib length m (ft)		13 (42'8")		19 (62'4")		25 (82'0")		31 (101'8")	
Jib angle		15°	30°	15°	30°	15°	30°	15°	30°
Radius m (ft)									
14 (45'11")	13.0/14.6m (28.7/47'11")								
16 (52'6")	13.0 (28.7)	9.0/17.4m (19.8/57'1")	8.0/17.2m (17.6/56'5")						
18 (59'1")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)		5.0/19.9m (11/65'3")				
20 (65'7")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0/21.4m (13.2/70'3")	5.0 (11)				
22 (72'2")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)		3.0/22.5m (6.6/73'10")		
24 (78'9")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6/25.3m (10.1/83'0")	3.0 (6.6)		
26 (85'4")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)	3.0 (6.6)		
28 (91'10")	13.0/29.0m (28.7/95'2")	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)	3.0 (6.6)	2.6/29.2m (5.7/95'10")	
30 (98'5")	12.7 (28)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)	3.0 (6.6)	2.6 (5.7)	
32 (104'12")	12.1 (26.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)	3.0 (6.6)	2.6 (5.7)	
34 (111'7")	11.5 (25.4)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)	3.0 (6.6)	2.6 (5.7)	
36 (118'1")	10.9/35.3m (24/115'10")	9.0/35.3m (19.8/115'10")	8.0/35.3m (17.6/115'10")	6.0/35.3m (13.2/115'10")	5.0/35.3m (11/115'10")	4.6/35.3m (10.1/115'10")	3.0/35.3m (6.6/115'10")	2.6/35.3m (5.7/115'10")	
Counterweight kg(lb)×1000	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	

Load Charts of FJ Operating Condition

Fixed Jib Load Charts 3/12								
kg(lb)×1000								
Boom length m (ft)	42 (137'10")							
Jib length m (ft)	13 (42'8")		19 (62'4")		25 (82'0")		31 (101'8")	
Jib angle	15°	30°	15°	30°	15°	30°	15°	30°
Radius m (ft)								
16 (52'6")	13.0/15.2m (28.7/49'10")		8.0/17.8m (17.6/58'5")					
18 (59'1")	13.0 (28.7)		8.0 (17.6)					
20 (65'7")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0/21.9m (13.2/71'10")	5.0/20.4m (11/66'11")			
22 (72'2")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)		3.0/23.1m (6.6/75'9")	
24 (78'9")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6/25.9m (10.1/84'12")	3.0 (6.6)	
26 (85'4")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)	3.0 (6.6)	
28 (91'10")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)	3.0 (6.6)	2.6/29.8m (5.7/97'9")
30 (98'5")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)	3.0 (6.6)	2.6 (5.7)
32 (104'12")	13.0 (28.7)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)	3.0 (6.6)	2.6 (5.7)
34 (111'7")	12.3 (27.1)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)	3.0 (6.6)	2.6 (5.7)
36 (118'1")	11.3 (24.9)	9.0 (19.8)	8.0 (17.6)	6.0 (13.2)	5.0 (11)	4.6 (10.1)	3.0 (6.6)	2.5 (5.5)
38 (124'8")	10.4 (22.9)	9.0 (19.8)	8.0/37.9m (17.6/124'4")	6.0/37.9m (13.2/124'4")	5.0/37.9m (11/124'4")	4.6/37.9m (10.1/124'4")	2.9/37.9m (6.4/124'4")	2.4/37.9m (5.3/124'4")
40 (131'3")	9.0/37.9m (19.8/124'4")	9.0/37.9m (19.8/124'4")						
Counterweight kg(lb)×1000	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)	53 (116.8)

45 (147'8")								
Boom length m (ft)								
Jib length m (ft)	13 (42'8")		19 (62'4")		25 (82'0")		31 (101'8")	
Jib angle	15°	30°	15°	30°	15°	30°	15°	30°
Radius m (ft)								
14 (45'11")	13.0/15.7m (28.7/51'6")	13.0/15.7m (28.7/51'6")						
16 (52'6")	13.0 (28.7)	13.0 (28.7)						
18 (59'1")	13.0 (28.7)	13.0 (28.7)	9.0/18.6m (19.8/61'0")	9.0/18.6m (19.8/61'0")	8.0/18.4m (17.6/60'4")	8.0/18.4m (17.6/60'4")		
20 (65'7")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)		
22 (72'2")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0/22.5m (13.2/73'10")	6.0/22.5m (13.2/73'10")
24 (78'9")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
26 (85'4")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
28 (91'10")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
30 (98'5")	13.0/30.7m (28.7/100'9")	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
32 (104'12")	12.2 (26.9)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
34 (111'7")	11.2 (24.7)	13.0/33.5m (28.7/109'11")	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
36 (118'1")	10.3 (22.7)	11.8 (26)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
38 (124'8")	9.5 (20.9)	10.9 (24)	9.0/39.5m (9.9/129'7")	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
40 (131'3")	8.8 (19.4)	10.1 (22.3)	8.8 (19.4)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
42 (137'10")	8.6/40.5m (19/132'10")	9.9/40.5 (21.8/131'3")	8.6/40.5m (19/132'10")	9.0/40.5m (19.8/132'10")	8.0/40.5m (17.6/132'10")	8.0/40.5m (17.6/132'10")	6.0/40.5m (13.2/132'10")	6.0/40.5m (13.2/132'10")
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)

Load Charts of FJ Operating Condition

Fixed Jib Load Charts 4/12									kg(lb)×1000	
Boom length m (ft) Jib length m (ft) Jib angle Radius m (ft)	45 (147'8")									
	25 (82'0")				31 (101'8")					
	15°		30°		15°		30°			
18 (59'1")										
20 (65'7")	5.0/21.0m (11/68'11")	5.0/21.0m (11/68'11")								
22 (72'2")	5.0 (11)	5.0 (11)			3.0/23.6m (6.6/77'5")	3.0/23.6m (6.6/77'5")				
24 (78'9")	5.0 (11)	5.0 (11)			3.0 (6.6)	3.0 (6.6)				
26 (85'4")	5.0 (11)	5.0 (11)	4.6/26.4m (10.1/86'7")	4.6/26.4m (10.1/86'7")	3.0 (6.6)	3.0 (6.6)				
28 (91'10")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)				
30 (98'5")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.4/30.4m (5.3/99'9")	2.4/30.4m (5.3/99'9")		
32 (104'12")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.4 (5.3)	2.4 (5.3)		
34 (111'7")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.4 (5.3)	2.4 (5.3)		
36 (118'1")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.4 (5.3)	2.4 (5.3)		
38 (124'8")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.9 (6.4)	3.0 (6.6)	2.4 (5.3)	2.4 (5.3)		
40 (131'3")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.8 (6.2)	3.0 (6.6)	2.4 (5.3)	2.4 (5.3)		
42 (137'10")	5.0/40.5m (11/132'10")	5.0/40.5m (11/132'10")	4.6/40.5m (10.1/132'10")	4.6/40.5m (10.1/132'10")	2.7/40.5m (6/132'10")	3.0/40.5m (6.6/132'10")	2.4/40.5m (5.3/132'10")	2.4/40.5m (5.3/132'10")		
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)		

Boom length m (ft)	48 (157'6")							
Jib length m (ft)	13 (42'8")				19 (62'4")			
Jib angle	15°		30°		15°		30°	
Radius m(ft)								
16 (52'6")	13.0/16.3m (28.7/53'6")	13.0/16.3m (28.7/53'6")						
18 (59'1")	13.0 (28.7)	13.0 (28.7)	9.0/19.1m (19.8/62'8")	9.0/19.1m (19.8/62'8")	8.0/18.9m (17.6/62'0")	8.0/18.9m (17.6/62'0")		
20 (65'7")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)		
22 (72'2")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0/23.1m (13.2/75'9")	6.0/23.1m (13.2/75'9")
24 (78'9")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
26 (85'4")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
28 (91'10")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
30 (98'5")	13.0/30.5m (28.7/100'1")	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
32 (104'12")	12.1 (26.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
34 (111'7")	11.0 (24.3)	12.7 (28)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
36 (118'1")	10.1 (22.3)	11.6 (25.6)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
38 (124'8")	9.3 (20.5)	10.7 (23.6)	9.0/38.8m (19.8/127'4")	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
40 (131'3")	8.6 (19)	9.9 (21.8)	8.6 (19)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
42 (137'10")	8.0 (17.6)	9.2 (20.3)	8.0 (17.6)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
44 (144'4")	7.7/43.1m (17/141'5")	8.9/43.1m (19.6/141'5")	7.7/43.1m (17/141'5")	8.5/43.1m (18.7/141'5")	7.7/43.1m (17/141'5")	8.0/43.1m (17.6/141'5")	6.0/43.1m (13.2/141'5")	6.0/43.1m (13.2/141'5")
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)

Load Charts of FJ Operating Condition

Fixed Jib Load Charts 5/12										kg(lb)×1000
Boom length m (ft)	48 (157'6")									
Jib length m (ft)	25 (82'0")				31 (101'8")					
Jib angle	15°		30°		15°		30°			
Radius m (ft)										
20 (65'7")	5.0/21.6m (11/70'10")	5.0/21.6m (11/70'10")								
22 (72'2")	5.0 (11)	5.0 (11)								
24 (78'9")	5.0 (11)	5.0 (11)			3.0/24.2m (6.6/79'5")	3.0/24.2m (6.6/79'5")				
26 (85'4")	5.0 (11)	5.0 (11)	4.6/27.0m (10.1/88'7")	4.6/27.0m (10.1/88'7")	3.0 (6.6)	3.0 (6.6)				
28 (91'10")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)				
30 (98'5")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6/31.0m (5.7/101'8")	2.6/31.0m (5.7/101'8")		
32 (104'12")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
34 (111'7")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
36 (118'1")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
38 (124'8")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
40 (131'3")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.9 (6.4)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)		
42 (137'10")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.8 (6.2)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)		
44 (144'4")	5.0/43.1m (11/141'5")	5.0/43.1m (11/141'5")	4.6/43.1m (10.1/141'5")	4.6/43.1m (10.1/141'5")	2.75/43.1m (6.1/141'5")	3.0/43.1m (6.6/141'5")	2.4/43.1m (5.3/141'5")	2.6/43.1m (5.7/141'5")		
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)		

Boom length m (ft)	51 (167'4")									
Jib length m (ft)	13 (42'8")				19 (62'4")					
Jib angle	15°		30°		15°		30°			
Radius m (ft)										
16 (52'6")	13.0/16.9m (28.7/55'5")	13.0/16.9m (28.7/55'5")								
18 (59'1")	13.0 (28.7)	13.0 (28.7)	9.0/19.7m (19.8/64'8")	9.0/19.7m (19.8/64'8")	8.0/19.5m (17.6/63'12")	8.0/19.5m (17.6/63'12")				
20 (65'7")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)				
22 (72'2")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0/23.6m (13.2/77'5")	6.0/23.6m (13.2/77'5")		
24 (78'9")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
26 (85'4")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
28 (91'10")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
30 (98'5")	13.0/30.1m (28.7/98'9")	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
32 (104'12")	11.9 (26.2)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
34 (111'7")	10.9 (24)	12.5 (27.6)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
36 (118'1")	10.0 (22)	11.5 (25.4)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
38 (124'8")	9.2 (20.3)	10.6 (23.4)	9.0/38.5m (19.8/126'4")	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
40 (131'3")	8.5 (18.7)	9.8 (21.6)	8.5 (18.7)	9.0 (19.8)	8.0/41.3m (17.6/135'6")	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
42 (137'10")	7.8 (17.2)	9.0 (19.8)	7.8 (17.2)	9.0 (19.8)	7.8 (17.2)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
44 (144'4")	7.3 (16.1)	8.4 (18.5)	7.3 (16.1)	8.4 (18.5)	7.3 (16.1)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
46 (150'11")	6.8/45.7m (15/149'11")	7.8/45.7m (17.2/149'11")	6.8/45.7m (15/149'11")	7.8/45.7m (17.2/149'11")	6.8/45.7m (15/149'11")	7.8/45.7m (17.2/149'11")	6.0/45.7m (13.2/149'11")	6.0/45.7m (13.2/149'11")		
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)		

Load Charts of FJ Operating Condition

Fixed Jib Load Charts 6/12								
kg(lb)×1000								
Boom length m(ft)	51 (167'4")							
Jib length m(ft)	25 (82'0")				31 (101'8")			
Jib angle	15°		30°		15°		30°	
Radius m(ft)								
22 (72'2")	5.0/22.1m (11/72'6")	5.0/22.1m (11/72'6")			3.0/28.4m (6.6/93'2")	3.0/28.4m (6.6/93'2")		
24 (78'9")	5.0 (11)	5.0 (11)			3.0 (6.6)	3.0 (6.6)		
26 (85'4")	5.0 (11)	5.0 (11)	4.6/27.6m (10.1/90'7")	4.6/27.6m (10.1/90'7")	3.0 (6.6)	3.0 (6.6)		
28 (91'10")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6/31.5m (5.7/103'4")	2.6/31.5m (5.7/103'4")
30 (98'5")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)
32 (104'12")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)
34 (111'7")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)
36 (118'1")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)
38 (124'8")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)
40 (131'3")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.9 (6.4)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)
42 (137'10")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.9 (6.4)	3.0 (6.6)	2.4 (5.3)	2.6 (5.7)
44 (144'4")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.8/45.7m (6.2/149'11")	3.0/45.7m (6.6/149'11")	2.35/45.7m (5.2/149'11")	2.5/45.7m (5.5/149'11")
46 (150'11")	5.0/45.7m (11/149'11")	5.0/45.7m (11/149'11")	4.6/45.7m (10.1/149'11")	4.6/45.7m (10.1/149'11")				
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)

54 (177'2")								
Boom length m(ft)								
Jib length m(ft)	13 (42'8")				19 (62'4")			
Jib angle	15°		30°		15°		30°	
Radius m(ft)								
16 (52'6")	13.0 (28.7)	13.0 (28.7)						
18 (59'1")	13.0 (28.7)	13.0 (28.7)						
20 (65'7")	13.0 (28.7)	13.0 (28.7)	9.0/20.3m (19.8/66'7")	9.0/20.3m (19.8/66'7")	8.0/20.1m (17.6/65'11")	8.0/20.1m (17.6/65'11")		
22 (72'2")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)		
24 (78'9")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0/24.2m (13.2/79'5")	6.0/24.2m (13.2/79'5")
26 (85'4")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
28 (91'10")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
30 (98'5")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
32 (104'12")	11.8 (26)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
34 (111'7")	10.7 (23.6)	12.3 (27.1)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
36 (118'1")	9.8 (21.6)	11.3 (24.9)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
38 (124'8")	9.0 (19.8)	10.4 (22.9)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
40 (131'3")	8.3 (18.3)	9.5 (20.9)	8.3 (18.3)	9.0 (19.8)	8.0/40.9m (17.6/134'2")	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
42 (137'10")	7.6 (16.8)	8.7 (19.2)	7.6 (16.8)	8.7 (19.2)	7.6 (16.8)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
44 (144'4")	7.1 (15.7)	8.2 (18.1)	7.1 (15.7)	8.2 (18.1)	7.1 (15.7)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)
46 (150'11")	6.5 (14.3)	7.5 (16.5)	6.5 (14.3)	7.5 (16.5)	6.5 (14.3)	7.5 (16.5)	6.0 (13.2)	6.0 (13.2)
48 (157'6")	6.1 (13.4)	7.0 (15.4)	6.1 (13.4)	7.0 (15.4)	6.1 (13.4)	7.0 (15.4)	6.0 (13.2)	6.0 (13.2)
50 (164'0")	6.0/48.3m (13.2/158'6")	6.9/48.3m (15.2/158'6")	6.0/48.3m (13.2/158'6")	6.9/48.3m (15.2/158'6")	6.0/48.3m (13.2/158'6")	6.9/48.3m (15.2/158'6")	6.0/48.3m (13.2/158'6")	6.0/48.3m (13.2/158'6")
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)

Load Charts of FJ Operating Condition

Fixed Jib Load Charts 7/12										kg(lb)×1000	
Boom length m (ft)		54 (177'2")									
Jib length m (ft)		25 (82'0")				31 (101'8")					
Jib angle		15°		30°		15°		30°			
Radius m (ft)											
22 (72'2")	5.0/22.7m (11/74'6")	5.0/22.7m (11/74'6")									
24 (78'9")	5.0 (11)	5.0 (11)				3.0/25.3m (6.6/83'0")	3.0/25.3m (6.6/83'0")				
26 (85'4")	5.0 (11)	5.0 (11)				3.0 (6.6)	3.0 (6.6)				
28 (91'10")	5.0 (11)	5.0 (11)	4.6/28.2m (10.1/92'6")	4.6/28.2m (10.1/92'6")		3.0 (6.6)	3.0 (6.6)				
30 (98'5")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		3.0 (6.6)	3.0 (6.6)				
32 (104'12")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		3.0 (6.6)	3.0 (6.6)	2.6/32.1m (5.7/105'4")	2.6/32.1m (5.7/105'4")		
34 (111'7")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
36 (118'1")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
38 (124'8")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
40 (131'3")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
42 (137'10")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		2.9 (6.4)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)		
44 (144'4")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		2.9 (6.4)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)		
46 (150'11")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		2.8 (6.2)	3.0 (6.6)	2.4 (5.3)	2.6 (5.7)		
48 (157'6")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		2.8 (6.2)	3.0 (6.6)	2.4 (5.3)	2.6 (5.7)		
50 (164'0")	5.0/48.3m (11/158'6")	5.0/48.3m (11/158'6")	4.6/48.3m (10.1/158'6")	4.6/48.3m (10.1/158'6")		2.7/48.3m (6/158'6")	3.0/48.3m (6.6/158'6")	2.3/48.3m (5.1/158'6")	2.6/48.3m (5.7/158'6")		
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)		53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)		
Boom length m (ft)		57 (187'0")									
Jib length m (ft)		13 (42'8")				19 (62'4")					
Jib angle		15°		30°		15°		30°			
Radius m (ft)											
16 (52'6")	13.0 (28.7)	13.0 (28.7)									
18 (59'1")	13.0 (28.7)	13.0 (28.7)	9.0/20.9m (19.8/68'7")	9.0/20.9m (19.8/68'7")		8.0/20.7m (17.6/67'11")	8.0/20.7m (17.6/67'11")				
20 (65'7")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)		8.0 (17.6)	8.0 (17.6)				
22 (72'2")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)		8.0 (17.6)	8.0 (17.6)	6.0/24.8m (13.2/81'4")	6.0/24.8m (13.2/81'4")		
24 (78'9")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)		8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
26 (85'4")	13.0/29.8m (28.7/97'9")	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)		8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
28 (91'10")	12.8 (28.2)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)		8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
30 (98'5")	11.6 (25.6)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)		8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
32 (104'12")	10.5 (23.1)	12.1 (26.7)	9.0 (19.8)	9.0 (19.8)		8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
34 (111'7")	9.6 (21.2)	11.0 (24.3)	9.0/37.4m (19.8/122'8")	9.0 (19.8)		8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
36 (118'1")	8.8 (19.4)	10.1 (22.3)	8.8 (19.4)	9.0 (19.8)		8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
38 (124'8")	8.1 (17.9)	9.3 (20.5)	8.1 (17.9)	9.0 (19.8)		8.0/40.1m (17.6/131'7")	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
40 (131'3")	7.4 (16.3)	8.5 (18.7)	7.4 (16.3)	8.5 (18.7)		7.4 (16.3)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
42 (137'10")	6.9 (15.2)	7.9 (17.4)	6.9 (15.2)	7.9 (17.4)		6.9 (15.2)	7.9 (17.4)	6.0 (13.2)	6.0 (13.2)		
44 (144'4")	6.3 (13.9)	7.2 (15.9)	6.3 (13.9)	7.2 (15.9)		6.3 (13.9)	7.2 (15.9)	6.0/47.5m (13.2/155'10")	6.0 (13.2)		
46 (150'11")	5.9 (13)	6.8 (15)	5.9 (13)	6.8 (15)		5.9 (13)	6.8 (15)	5.9 (13)	6.0 (13.2)		
48 (157'6")	5.5 (12.1)	6.3 (13.9)	5.5 (12.1)	6.3 (13.9)		5.5 (12.1)	6.3 (13.9)	5.5 (12.1)	6.0 (13.2)		
50 (164'0")	5.3/50.9m (11.7/166'12")	6.1/50.9m (13.4/166'12")	5.3/50.9m (11.7/166'12")	6.1/50.9m (13.4/166'12")		5.3/50.9m (11.7/166'12")	6.1/50.9m (13.4/166'12")	5.3/50.9m (11.7/166'12")	6.0/50.9m (13.2/166'12")		
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)		53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)		

Load Charts of FJ Operating Condition

Fixed Jib Load Charts 8/12										kg(lb)×1000
Boom length m (ft)	57 (187'0")									
	25 (82'0")				31 (101'8")					
	15°		30°		15°		30°			
	Radius m (ft)		Radius m (ft)		Radius m (ft)		Radius m (ft)			
20 (65'7")	5.0/23.3m (11/76'5")	5.0/23.3m (11/76'5")								
22 (72'2")	5.0 (11)	5.0 (11)			3.0/25.5m (6.6/83'8")	3.0/25.5m (6.6/83'8")				
24 (78'9")	5.0 (11)	5.0 (11)			3.0 (6.6)	3.0 (6.6)				
26 (85'4")	5.0 (11)	5.0 (11)	4.6/28.7m (10.1/94'2")	4.6/28.7m (10.1/94'2")	3.0 (6.6)	3.0 (6.6)				
28 (91'10")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)				
30 (98'5")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6/32.7m (5.7/107'3")	2.6/32.7m (5.7/107'3")		
32 (104'12")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
34 (111'7")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
36 (118'1")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
38 (124'8")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
40 (131'3")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
42 (137'10")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.9 (6.4)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)		
44 (144'4")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.9 (6.4)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)		
46 (150'11")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.8 (6.2)	3.0 (6.6)	2.4 (5.3)	2.6 (5.7)		
48 (157'6")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.8 (6.2)	3.0 (6.6)	2.4 (5.3)	2.6 (5.7)		
50 (164'0")	5.0/50.9m (11/166'12")	5.0/50.9m (11/166'12")	4.6/50.9m (10.1/166'12")	4.6/50.9m (10.1/166'12")	2.7/50.9m (6/166'12")	3.0/50.9m (6.6/166'12")	2.3/50.9m (5.1/166'12")	2.6/50.9m (5.7/166'12")		
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)		
Boom length m (ft)	60 (196'10")									
	13 (42'8")				19 (62'4")					
	15°		30°		15°		30°			
	Radius m (ft)		Radius m (ft)		Radius m (ft)		Radius m (ft)			
18 (59'1")	13.0/18.6m (28.7/61'0")	13.0/18.6m (28.7/61'0")								
20 (65'7")	13.0 (28.7)	13.0 (28.7)	9.0/21.4m (19.8/70'3")	9.0/21.4m (19.8/70'3")	8.0/21.2m (17.6/69'7")	8.0/21.2m (17.6/69'7")				
22 (72'2")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)				
24 (78'9")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0/25.4m (13.2/83'4")	6.0/25.4m (13.2/83'4")		
26 (85'4")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
28 (91'10")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
30 (98'5")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
32 (104'12")	11.8 (26)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
34 (111'7")	10.7 (23.6)	12.3 (27.1)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
36 (118'1")	9.7 (21.4)	11.2 (24.7)	9.0/36.7m (19.8/120'5")	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
38 (124'8")	8.9 (19.6)	10.2 (22.5)	8.9 (19.6)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
40 (131'3")	8.2 (18.1)	9.4 (20.7)	8.2 (18.1)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
42 (137'10")	7.5 (16.5)	8.6 (19)	7.5 (16.5)	8.6 (19)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
44 (144'4")	6.9 (15.2)	7.9 (17.4)	6.9 (15.2)	7.9 (17.4)	6.9 (15.2)	7.9 (17.4)	6.0 (13.2)	6.0 (13.2)		
46 (150'11")	6.3 (13.9)	7.2 (15.9)	6.3 (13.9)	7.2 (15.9)	6.3 (13.9)	7.2 (15.9)	6.0/47.2m (13.2/154'10")	6.0 (13.2)		
48 (157'6")	5.9 (13)	6.8 (15)	5.9 (13)	6.8 (15)	5.9 (13)	6.8 (15)	5.9 (13)	6.0 (13.2)		
50 (164'0")	5.4 (11.9)	6.2 (13.7)	5.4 (11.9)	6.2 (13.7)	5.4 (11.9)	6.2 (13.7)	5.4 (11.9)	6.0 (13.2)		
52 (170'7")	5.0 (11)	5.8 (12.8)	5.0 (11)	5.8 (12.8)	5.0 (11)	5.8 (12.8)	5.0 (11)	5.8 (12.8)		
54 (177'2")	4.7/53.5m (10.4/175'6")	5.4/53.5m (11.9/175'6")	4.7/53.5m (10.4/175'6")	5.4/53.5m (11.9/175'6")	4.7/53.5m (10.4/175'6")	5.4/53.5m (11.9/175'6")	4.7/53.5m (10.4/175'6")	5.4/53.5m (11.9/175'6")		
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)		

Load Charts of FJ Operating Condition

Fixed Jib Load Charts 9/12										kg(lb)×1000	
Boom length m (ft)		60 (196'10")									
Jib length m (ft)		25 (82'0")				31 (101'8")					
Jib angle		15°		30°		15°		30°			
Radius m (ft)											
22 (72'2")		5.0/23.9m (11/78'5")	5.0/23.9m (11/78'5")								
24 (78'9")		5.0 (11)	5.0 (11)								
26 (85'4")		5.0 (11)	5.0 (11)			3.0/26.5m (6.6/86'11")	3.0/26.5m (6.6/86'11")				
28 (91'10")		5.0 (11)	5.0 (11)	4.6/29.3m (10.1/96'2")	4.6/29.3m (10.1/96'2")	3.0 (6.6)	3.0 (6.6)				
30 (98'5")		5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)				
32 (104'12")		5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6/33.2m (5.7/108'11")	2.6/33.2m (5.7/108'11")		
34 (111'7")		5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
36 (118'1")		5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
38 (124'8")		5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
40 (131'3")		5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
42 (137'10")		5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
44 (144'4")		5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)		
46 (150'11")		5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.9 (6.4)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)		
48 (157'6")		5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.9 (6.4)	3.0 (6.6)	2.4 (5.3)	2.6 (5.7)		
50 (164'0")		5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.8 (6.2)	3.0 (6.6)	2.4 (5.3)	2.6 (5.7)		
52 (170'7")		5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.8 (6.2)	3.0 (6.6)	2.3 (5.1)	2.6 (5.7)		
54 (177'2")		4.7/53.5m (10.4/175'6")	5.0/53.5m (11/175'6")	4.6/53.5m (10.1/175'6")	4.6/53.5m (10.1/175'6")	2.7/53.5m (6/175'6")	3.0/53.5m (6.6/175'6")	2.25/53.5m (5/175'6")	2.6/53.5m (5.7/175'6")		
Counterweight kg(lb)×1000		53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)		
Boom length m (ft)		63 (206'8")									
Jib length m (ft)		13 (42'8")				19 (62'4")					
Jib angle		15°		30°		15°		30°			
Radius m (ft)											
18 (59'1")		13.0/19.2m (28.7/62'12")	13.0/19.2m (28.7/62'12")								
20 (65'7")		13.0 (28.7)	13.0 (28.7)			8.0/21.8m (17.6/71'6")	8.0/21.8m (17.6/71'6")				
24 (78'9")		13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0/25.9m (13.2/84'12")	6.0/25.9m (13.2/84'12")		
26 (85'4")		13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
28 (91'10")		13.0/29.8m (28.7/97'9")	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
32 (104'12")		11.6 (25.6)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
34 (111'7")		10.5 (23.1)	12.1 (26.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
36 (118'1")		9.5 (20.9)	10.9 (24)	9.0/37.3m (19.8/122'4")	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
38 (124'8")		8.7 (19.2)	10.0 (22)	8.7 (19.2)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
40 (131'3")		8.0 (17.6)	9.2 (20.3)	8.0 (17.6)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
42 (137'10")		7.3 (16.1)	8.4 (18.5)	7.3 (16.1)	8.4 (18.5)	7.3 (16.1)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
44 (144'4")		6.7 (14.8)	7.7 (17)	6.7 (14.8)	7.7 (17)	6.7 (14.8)	7.7 (17)	6.0 (13.2)	6.0 (13.2)		
46 (150'11")		6.1 (13.4)	7.0 (15.4)	6.1 (13.4)	7.0 (15.4)	6.1 (13.4)	7.0 (15.4)	6.0/46.6m (13.2/152'11")	6.0 (13.2)		
48 (157'6")		5.7 (12.6)	6.6 (14.6)	5.7 (12.6)	6.6 (14.6)	5.7 (12.6)	6.6 (14.6)	5.7 (12.6)	6.0 (13.2)		
50 (164'0")		5.2 (11.5)	6.0 (13.2)	5.2 (11.5)	6.0 (13.2)	5.2 (11.5)	6.0 (13.2)	5.2 (11.5)	6.0 (13.2)		
52 (170'7")		4.7 (10.4)	5.4 (11.9)	4.7 (10.4)	5.4 (11.9)	4.7 (10.4)	5.4 (11.9)	4.7 (10.4)	5.4 (11.9)		
54 (177'2")		4.3 (9.5)	4.9 (10.8)	4.3 (9.5)	4.9 (10.8)	4.3 (9.5)	4.9 (10.8)	4.3 (9.5)	4.9 (10.8)		
56 (183'9")		3.9/56.1m (8.6/184'1")	4.5/56.1m (9.9/184'1")	3.9/56.1m (8.6/184'1")	4.5/56.1m (9.9/184'1")	3.9/56.1m (8.6/184'1")	4.5/56.1m (9.9/184'1")	3.9/56.1m (8.6/184'1")	4.5/56.1m (9.9/184'1")		
Counterweight kg(lb)×1000		53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)		

Load Charts of FJ Operating Condition

Fixed Jib Load Charts 10/12										kg(lb)×1000	
Boom length m (ft)		63 (206'8")									
Jib length m (ft)		25 (82'0")				31 (101'8")					
Jib angle		15°		30°		15°		30°			
Radius m (ft)											
24 (78'9")	5.0/24.4m (11/80'1")	5.0/24.4m (11/80'1")				3.0/27.1m (6.6/88'11")	3.0/27.1m (6.6/88'11")				
26 (85'4")	5.0 (11)	5.0 (11)				3.0 (6.6)	3.0 (6.6)				
28 (91'10")	5.0 (11)	5.0 (11)	4.6/29.9m (10.1/98'1")	4.6/29.9m (10.1/98'1")		3.0 (6.6)	3.0 (6.6)				
30 (98'5")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		3.0 (6.6)	3.0 (6.6)				
32 (104'12")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		3.0 (6.6)	3.0 (6.6)	2.6/33.8m (5.7/110'11")	2.6/33.8m (5.7/110'11")		
36 (118'1")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
38 (124'8")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
40 (131'3")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
44 (144'4")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		3.0 (6.6)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)		
46 (150'11")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		3.0 (6.6)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)		
48 (157'6")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)		2.9 (6.4)	3.0 (6.6)	2.4 (5.3)	2.6 (5.7)		
50 (164'0")	5.0/50.5m (11/165'8")	5.0 (11)	4.6 (10.1)	4.6 (10.1)		2.9 (6.4)	3.0 (6.6)	2.4 (5.3)	2.6 (5.7)		
52 (170'7")	4.7 (10.4)	5.0 (11)	4.6/52.4m (10.1/171'11")	4.6 (10.1)		2.8 (6.2)	3.0 (6.6)	2.3 (5.1)	2.6 (5.7)		
54 (177'2")	4.3 (9.5)	4.9 (10.8)	4.3 (9.5)	4.6 (10.1)		2.8 (6.2)	3.0 (6.6)	2.3 (5.1)	2.6 (5.7)		
56 (183'9")	3.9/56.1m (8.6/184'1")	4.5/56.1m (9.9/184'1")	3.9/56.1m (8.6/184'1")	4.5/56.1m (9.9/184'1")		2.7/56.1m (6/184'1")	3.0/56.1m (6.6/184'1")	2.2/56.1m (4.9/184'1")	2.5/56.1m (5.5/184'1")		
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)		53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)		
Boom length m (ft)		66 (216'6")									
Jib length m (ft)		13 (42'8")				19 (62'4")					
Jib angle		15°		30°		15°		30°			
Radius m (ft)											
18 (59'1")	13.0/19.2m (28.7/62'12")	13.0/19.2m (28.7/62'12")									
20 (65'7")	13.0 (28.7)	13.0 (28.7)									
22 (72'2")	13.0 (28.7)	13.0 (28.7)	9.0/22.6m (19.8/74'2")	9.0/22.6m (19.8/74'2")	8.0/22.4m (17.6/73'6")	8.0/22.4m (17.6/73'6")					
26 (85'4")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0/26.5m (13.2/86'11")	6.0/26.5m (13.2/86'11")			
28 (91'10")	13.0/29.5m (28.7/96'9")	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)			
30 (98'5")	12.7 (28)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)			
32 (104'12")	11.4 (25.1)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)			
34 (111'7")	10.4 (22.9)	12.0 (26.5)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)			
36 (118'1")	9.4 (20.7)	10.8 (23.8)	9.0/36.8m (19.8/120'9")	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)			
38 (124'8")	8.6 (19)	9.9 (21.8)	8.6 (19)	9.0 (19.8)	8.0/39.4m (17.6/129'3")	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)			
40 (131'3")	7.8 (17.2)	9.0 (19.8)	7.8 (17.2)	9.0 (19.8)	7.8 (17.2)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)			
44 (144'4")	6.5 (14.3)	7.5 (16.5)	6.5 (14.3)	7.5 (16.5)	6.5 (14.3)	7.5 (16.5)	6.0 (13.2)	6.0 (13.2)			
46 (150'11")	6.0 (13.2)	6.9 (15.2)	6.0 (13.2)	6.9 (15.2)	6.0 (13.2)	6.9 (15.2)	6.0 (13.2)	6.0 (13.2)			
48 (157'6")	5.5 (12.1)	6.3 (13.9)	5.5 (12.1)	6.3 (13.9)	5.5 (12.1)	6.3 (13.9)	5.5 (12.1)	6.0 (13.2)			
50 (164'0")	5.0 (11)	5.8 (12.8)	5.0 (11)	5.8 (12.8)	5.0 (11)	5.8 (12.8)	5.0 (11)	5.8 (12.8)			
52 (170'7")	4.5 (9.9)	5.2 (11.5)	4.5 (9.9)	5.2 (11.5)	4.5 (9.9)	5.2 (11.5)	4.5 (9.9)	5.2 (11.5)			
54 (177'2")	4.1 (9)	4.7 (10.4)	4.1 (9)	4.7 (10.4)	4.1 (9)	4.7 (10.4)	4.1 (9)	4.7 (10.4)			
56 (183'9")	3.7 (8.2)	4.3 (9.5)	3.7 (8.2)	4.3 (9.5)	3.7 (8.2)	4.3 (9.5)	3.7 (8.2)	4.3 (9.5)			
58 (190'3")	3.3 (7.3)	3.8 (8.4)	3.3 (7.3)	3.8 (8.4)	3.3 (7.3)	3.8 (8.4)	3.3 (7.3)	3.8 (8.4)			
60 (196'10")	3.2/58.7m (7.1/192'7")	3.7/58.7m (8.2/192'7")	3.2/58.7m (7.1/192'7")	3.7/58.7m (8.2/192'7")	3.2/58.7m (7.1/192'7")	3.7/58.7m (8.2/192'7")	3.2/58.7m (7.1/192'7")	3.7/58.7m (8.2/192'7")			
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	53 (116.8)	53+12 (116.8+26.5)	

Load Charts of FJ Operating Condition

Fixed Jib Load Charts 11/12										kg(lb)×1000
Boom length m (ft)	66 (216'6")									
Jib length m (ft)	25 (82'0")				31 (101'8")					
Jib angle	15°		30°		15°		30°			
Radius m (ft)	5.0/25.0m (11/82'0")		5.0/25.0m (11/82'0")		3.0/27.6m (6.6/90'7")		3.0/27.6m (6.6/90'7")			
24 (78'9")										
26 (85'4")	5.0 (11)	5.0 (11)			3.0 (6.6)	3.0 (6.6)				
28 (91'10")	5.0 (11)	5.0 (11)			3.0 (6.6)	3.0 (6.6)				
30 (98'5")	5.0 (11)	5.0 (11)	4.6/30.4m (10.1/99'9")	4.6/30.4m (10.1/99'9")	3.0 (6.6)	3.0 (6.6)				
32 (104'12")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)				
34 (111'7")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6/34.4m (5.7/112'10")	2.6/34.4m (5.7/112'10")		
38 (124'8")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
40 (131'3")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
42 (137'10")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
44 (144'4")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)		
48 (157'6")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.9 (6.4)	3.0 (6.6)	2.4 (5.3)	2.6 (5.7)		
50 (164'0")	5.0 (11)	5.0 (11)	4.6/51.6m (10.1/169'3")	4.6 (10.1)	2.9 (6.4)	3.0 (6.6)	2.4 (5.3)	2.6 (5.7)		
52 (170'7")	4.5 (9.9)	5.0 (11)	4.5 (9.9)	4.6 (10.1)	2.8 (6.2)	3.0 (6.6)	2.3 (5.1)	2.6 (5.7)		
54 (177'2")	4.1 (9)	4.7 (10.4)	4.1 (9)	4.6 (10.1)	2.8 (6.2)	3.0 (6.6)	2.3 (5.1)	2.6 (5.7)		
56 (183'9")	3.7 (8.2)	4.3 (9.5)	3.7 (8.2)	4.3 (9.5)	2.7 (6)	3.0 (6.6)	2.2 (4.9)	2.5 (5.5)		
58 (190'3")	3.3 (7.3)	3.8 (8.4)	3.3 (7.3)	3.8 (8.4)	2.7 (6)	3.0 (6.6)	2.2 (4.9)	2.5 (5.5)		
60 (196'10")	3.2/58.7m (7.1/192'7")	3.7/58.7m (8.2/192'7")	3.2/58.7m (7.1/192'7")	3.7/58.7m (8.2/192'7")	2.6/58.7m (5.7/192'7")	3.0/58.7m (6.6/192'7")	2.1/58.7m (4.6/192'7")	2.4/58.7m (5.3/192'7")		
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)		
Boom length m (ft)	69 (226'5")									
Jib length m (ft)	13 (42'8")				19 (62'4")					
Jib angle	15°		30°		15°		30°			
Radius m (ft)	13.0/20.3m (28.7/66'7")		13.0/20.3m (28.7/66'7")		8.0/22.9m (17.6/75'2")		8.0/22.9m (17.6/75'2")			
20 (65'7")										
22 (72'2")	13.0 (28.7)	13.0 (28.7)	9.0/23.1m (19.8/75'9")	9.0/23.1m (19.8/75'9")	8.0/22.9m (17.6/75'2")	8.0/22.9m (17.6/75'2")				
24 (78'9")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)				
26 (85'4")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0/27.1m (13.2/88'11")	6.0/27.1m (13.2/88'11")		
28 (91'10")	13.0/29.3m (28.7/96'2")	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
30 (98'5")	12.6 (27.8)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
32 (104'12")	11.4 (25.1)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
34 (111'7")	10.3 (22.7)	11.8 (26)	9.0 (19.8)	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
36 (118'1")	9.3 (20.5)	10.7 (23.6)	9.0/36.5m (19.8/119'9")	9.0 (19.8)	8.0 (17.6)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
38 (124'8")	8.5 (18.7)	9.8 (21.6)	8.5 (18.7)	9.0 (19.8)	8.0/39.4m (17.6/129'3")	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
40 (131'3")	7.7 (17)	8.9 (19.6)	7.7 (17)	8.9 (19.6)	7.7 (17)	8.0 (17.6)	6.0 (13.2)	6.0 (13.2)		
44 (144'4")	6.5 (14.3)	7.5 (16.5)	6.5 (14.3)	7.5 (16.5)	6.5 (14.3)	7.5 (16.5)	6.0/45.6m (13.2/149'7")	6.0 (13.2)		
46 (150'11")	5.9 (13)	6.8 (15)	5.9 (13)	6.8 (15)	5.9 (13)	6.8 (15)	5.9 (13)	6.0 (13.2)		
50 (164'0")	4.9 (10.8)	5.6 (12.3)	4.9 (10.8)	5.6 (12.3)	4.9 (10.8)	5.6 (12.3)	4.9 (10.8)	5.6 (12.3)		
54 (177'2")	3.9 (8.6)	4.5 (9.9)	3.9 (8.6)	4.5 (9.9)	3.9 (8.6)	4.5 (9.9)	3.9 (8.6)	4.5 (9.9)		
56 (183'9")	3.5 (7.7)	4.0 (8.8)	3.5 (7.7)	4.0 (8.8)	3.5 (7.7)	4.0 (8.8)	3.5 (7.7)	4.0 (8.8)		
58 (190'3")	3.2 (7.1)	3.7 (8.2)	3.2 (7.1)	3.7 (8.2)	3.2 (7.1)	3.7 (8.2)	3.2 (7.1)	3.7 (8.2)		
60 (196'10")	2.8 (6.2)	3.2 (7.1)	2.8 (6.2)	3.2 (7.1)	2.8 (6.2)	3.2 (7.1)	2.8 (6.2)	3.2 (7.1)		
Counterweight kg(lb)×1000	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)		

Load Charts of FJ Operating Condition

Fixed Jib Load Charts 12/12										kg (lb) ×1000
Boom length m (ft)	69 (226'5")									
Jib length m (ft)	25 (82'0")				31 (101'8")					
Jib angle	15°		30°		15°		30°			
Radius m (ft)										
24 (78'9")	5.0/25.6m (11/83'12")	5.0/25.6m (11/83'12")								
26 (85'4")	5.0 (11)	5.0 (11)								
28 (91'10")	5.0 (11)	5.0 (11)			3.0/28.2m (6.6/92'6")	3.0/28.2m (6.6/92'6")				
30 (98'5")	5.0 (11)	5.0 (11)	4.6/31.0m (10.1/101'8")	4.6/31.0m (10.1/101'8")	3.0 (6.6)	3.0 (6.6)				
32 (104'12")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)				
34 (111'7")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6/35.0m (5.7/114'10")	2.6/35.0m (5.7/114'10")		
36 (118'1")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
40 (131'3")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.6 (5.7)	2.6 (5.7)		
44 (144'4")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)		
46 (150'11")	5.0 (11)	5.0 (11)	4.6 (10.1)	4.6 (10.1)	3.0 (6.6)	3.0 (6.6)	2.5 (5.5)	2.6 (5.7)		
48 (157'6")	5.0/49.6m (11/162'9")	5.0 (11)	4.6 (10.1)	4.6 (10.1)	2.9 (6.4)	3.0 (6.6)	2.4 (5.3)	2.6 (5.7)		
50 (164'0")	4.9 (10.8)	5.0 (11)	4.6/51.2m (10.1/167'12")	4.6 (10.1)	2.9 (6.4)	3.0 (6.6)	2.4 (5.3)	2.6 (5.7)		
52 (170'7")	4.4 (9.7)	5.0 (11)	4.4 (9.7)	4.6 (10.1)	2.8 (6.2)	3.0 (6.6)	2.3 (5.1)	2.6 (5.7)		
54 (177'2")	3.9 (8.6)	4.5 (9.9)	3.9 (8.6)	4.5 (9.9)	2.8 (6.2)	3.0 (6.6)	2.3 (5.1)	2.6 (5.7)		
56 (183'9")	3.5 (7.7)	4.0 (8.8)	3.5 (7.7)	4.0 (8.8)	2.7 (6)	3.0 (6.6)	2.2 (4.9)	2.5 (5.5)		
58 (190'3")	3.2 (7.1)	3.7 (8.2)	3.2 (7.1)	3.7 (8.2)	2.7 (6)	3.0 (6.6)	2.2 (4.9)	2.5 (5.5)		
60 (196'10")	2.8 (6.2)	3.2 (7.1)	2.8 (6.2)	3.2 (7.1)	2.6 (5.7)	3.0 (6.6)	2.1 (4.6)	2.4 (5.3)		
Counterweight kg (lb) ×1000	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)		
Boom length m (ft)	75 (246'1")									
Jib length m (ft)	13 (42'8")									
Jib angle	15°		30°							
Radius m (ft)										
20 (65'7")	13.0/21.5m (28.7/70'6")	13.0/21.5m (28.7/70'6")								
22 (72'2")	13.0 (28.7)	13.0 (28.7)								
24 (78'9")	13.0 (28.7)	13.0 (28.7)	9.0/24.3m (19.8/79'9")	9.0/24.3m (19.8/79'9")						
26 (85'4")	13.0 (28.7)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)						
28 (91'10")	13.0/28.8m (28.7/94'6")	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)						
30 (98'5")	12.2 (26.9)	13.0 (28.7)	9.0 (19.8)	9.0 (19.8)						
32 (104'12")	11.0 (24.3)	12.7 (28)	9.0 (19.8)	9.0 (19.8)						
34 (111'7")	9.9 (21.8)	11.4 (25.1)	9.0/35.8m (19.8/117'5")	9.0 (19.8)						
36 (118'1")	8.9 (19.6)	10.2 (22.5)	8.9 (19.6)	9.0 (19.8)						
40 (131'3")	7.3 (16.1)	8.4 (18.5)	7.3 (16.1)	8.4 (18.5)						
44 (144'4")	6.0 (13.2)	6.9 (15.2)	6.0 (13.2)	6.9 (15.2)						
48 (157'6")	4.8 (10.6)	5.5 (12.1)	4.8 (10.6)	5.5 (12.1)						
50 (164'0")	4.3 (9.5)	4.9 (10.8)	4.3 (9.5)	4.9 (10.8)						
52 (170'7")	3.8 (8.4)	4.4 (9.7)	3.8 (8.4)	4.4 (9.7)						
54 (177'2")	3.4 (7.5)	3.9 (8.6)	3.4 (7.5)	3.9 (8.6)						
56 (183'9")	3.0 (6.6)	3.5 (7.7)	3.0 (6.6)	3.5 (7.7)						
58 (190'3")	2.6 (5.7)	3.0 (6.6)	2.6 (5.7)	3.0 (6.6)						
60 (196'10")	2.2 (4.9)	2.5 (5.5)	2.2 (4.9)	2.5 (5.5)						
Counterweight kg (lb) ×1000	53 (116.8)	53+12 (116.8 + 26.5)	53 (116.8)	53+12 (116.8 + 26.5)						