



Technical Data

Specification & Capacities

JF990



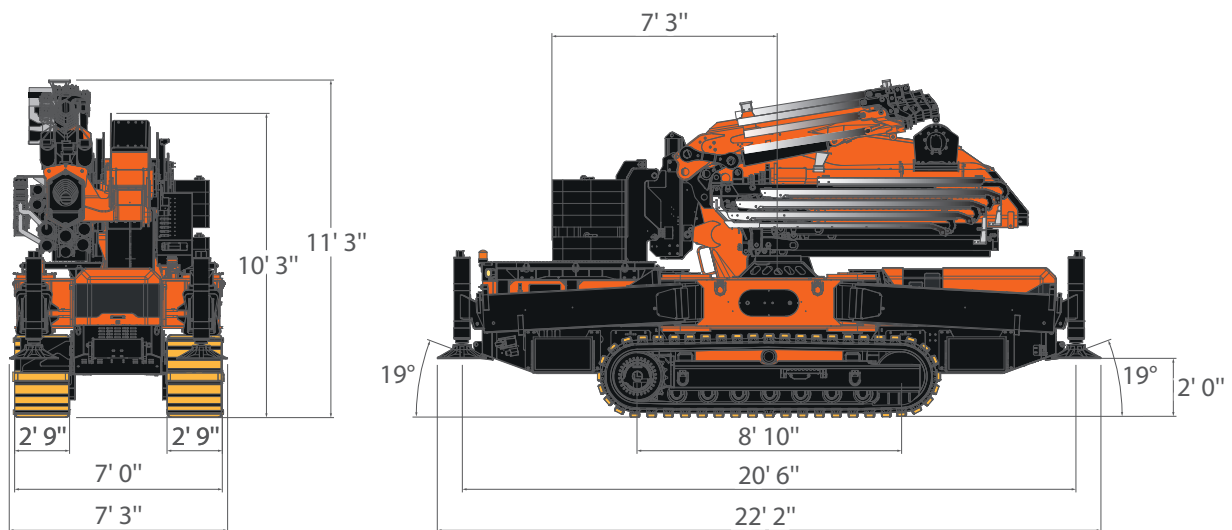
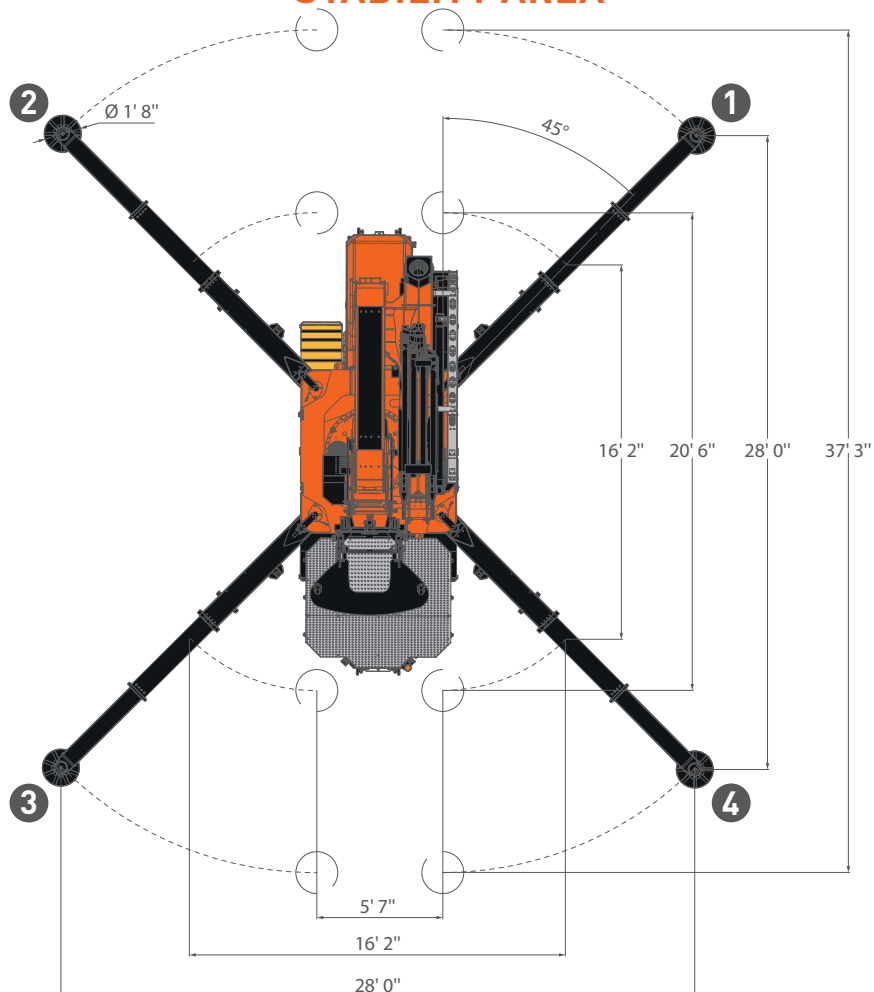
EN 12999:2020

14.05.2025 | Rev1.0

[ft] [lb]

OVERALL DIMENSIONS

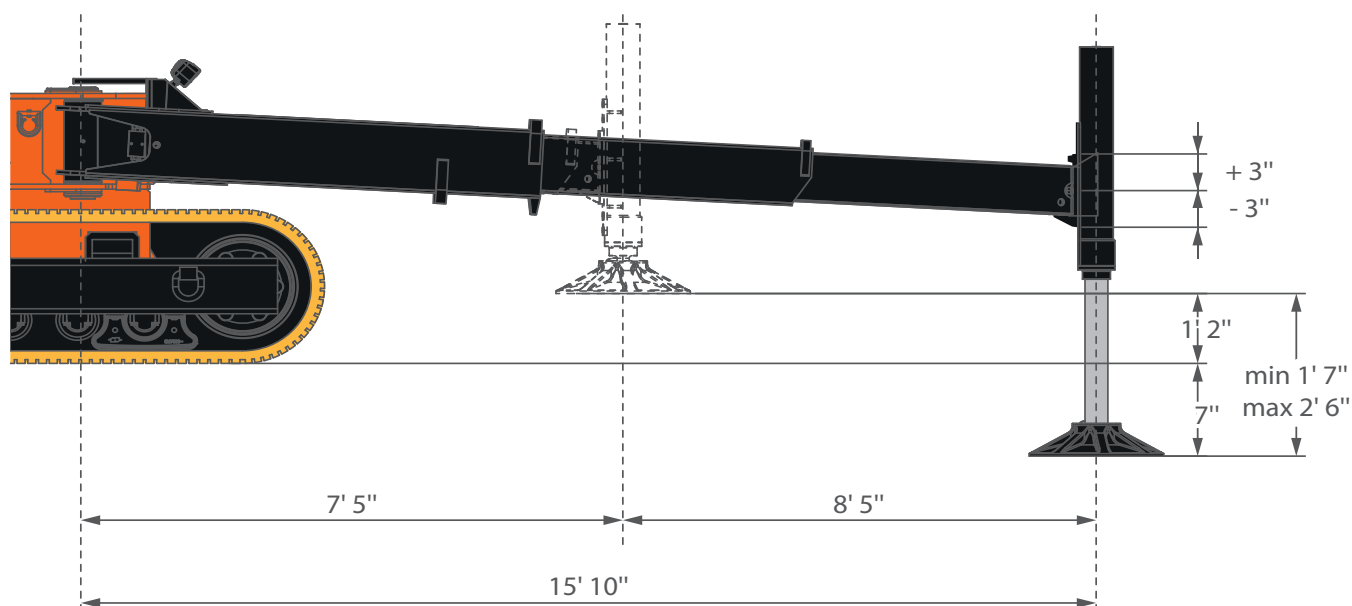
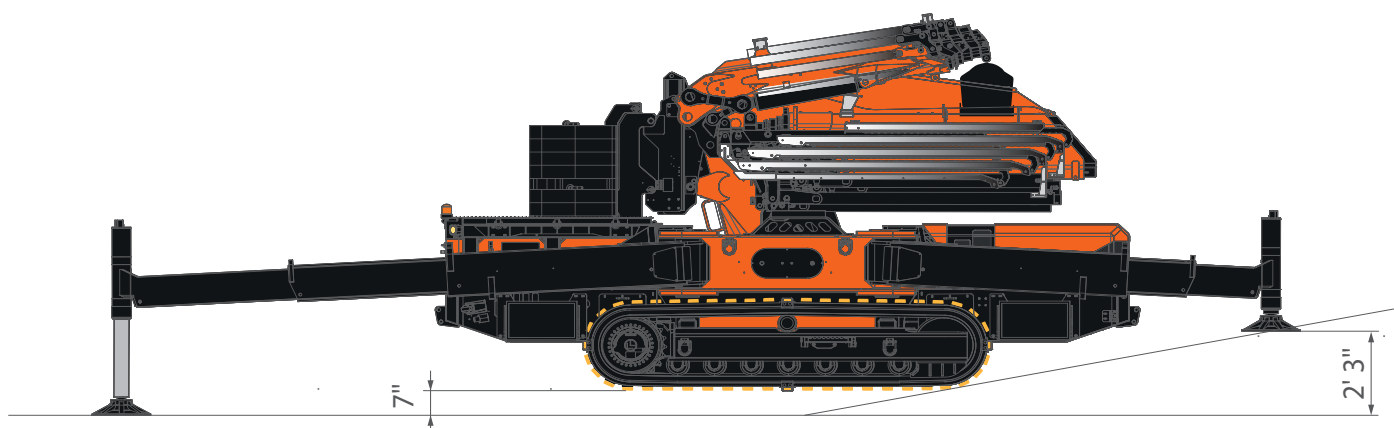
(with jib and low marking pads)

**STABILITY AREA**

Min stability angle: 0°
Max stability angle: 45°

[ft]

STABILIZATION ADJUSTMENT



OVERALL INFORMATION

CRANE INFO			DESCRIPTION	U.M	VALUE
		OVERALL DIMENSIONS	Height	ft	10' 3"
			Length		22' 2"
			Width		7' 3"
		BOOM	Length	ft	15' 1" - 65' 7"
			Speed	s	55 ^[1] (15' 1" - 65' 7")
		SLEWING	Angle	°	360°
			Speed	rpm	1
		LIFTING	Working Angle	°	0°/80°
			Speed	s	Primary: 36 Secondary: 37
		Max Capacity		lb	46,300
		Max Outriggers Load		lb	36,045 ^[2]
		Track load		lb/in ²	13.5
		Travel Speed	Slow	mph	-
			Fast		1.4
		Gradeability		°	19° (35%) ^[3]
		Working Temperature		°F	+14°/+104°

^[1]: Timing without load, fully stabilized and without XP

^[2]: Static lifting

^[3]: Engine work limit

OVERALL INFORMATIONS

WEIGHT		CRANE	JF990 (with activation)		lb	50,040 ^{[1][2]}
			Counterweight	CW-1	lb	6,610
				CW-2		4,400

HOOKBLOCKS		HOOK BLOCK	Single Fall	lb	160
			Double Fall		155
			Triple Fall		160
			Jib Single Fall		185

ACCESSORIES		JIB	JIB5400.6HA	With activation	lb	3,370	
				Without activation		3,080	
		MANUAL EXTENSIONS	ME1-JF990.8			lb	160
			ME2-JF990.8				120
			MEH-JF990.8				340
			ME1-JIB5400.6HA				120
			ME2-JIB5400.6HA				80
			ME3-JIB5400.6HA				55
			MEH-JIB5400.6HA				50
		LOW MARKING PADS	WTP-JFX (x90)			lb	1,510
		OUTRIGGERS MATS	OM500 (x4)			lb	200
		POWERPACK	3-Phase Power pack			lb	175
		PLE	MWP-2PG.JIB5400.6HA			lb	350
			MWP-2PGR.JIB5400.6HA				455

^[1]: Dry weight

^[2]: Estimated fluids weight = 330 lb

OVERALL INFORMATIONS

ENGINE		DIESEL ENGINE	Power	kW	55
				HP	74
			Tank capacity	gal	16
		ELECTRIC	Voltage	V	400
			Power	kW	13.5

HYDRAULIC SYSTEM		Maximum Working Pressure		bar	325
		Tank Capacity		gal	71
		OIL	Type	Mineral	ISO 6743-4:HV
			Viscosity Grade	VG	46
		DIESEL MAIN PUMP	Type	Variable Flow Pump LS	
			Displacement	in³/rev	4.8
			Max Oil Flow	gal/min	42
		ELECTRIC MAIN PUMP	Type	Variable Flow Pump LS	
			Displacement	in³/rev	2.7
			Max Oil Flow	gal/min	16



WINCH PERFORMANCE

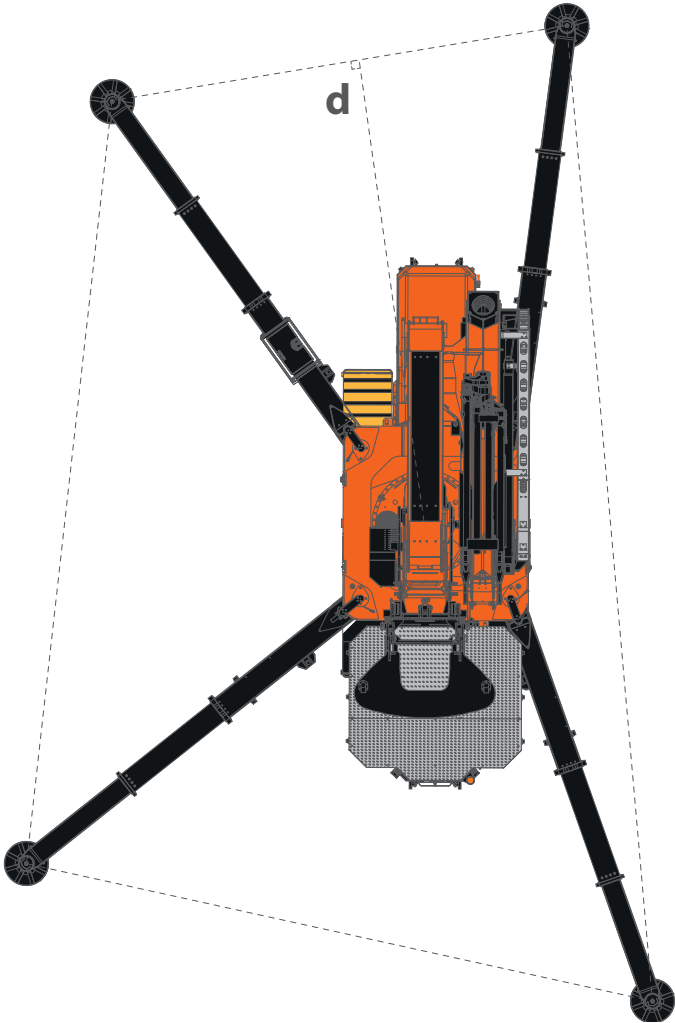
W3000-JFM-JFX

WINCH	Layer		Max pull line	Standard rope speed
			daN	ft/min
	1		3,000 ^[1]	91
ROPE	3		— ^[1]	118
	Wire rope	Max load	Ø	Total length
		daN	ft	ft
	19x7 right lang lay Non rotating	18,600	1"	196' 10"

HOOKBLOCK	Block type	Load	N° of	
		lb	Sheaves	Lines
	Single fall block	6,610	-	1
	Double fall block	13,220	1	2
	Triple fall block	19,840	1	3

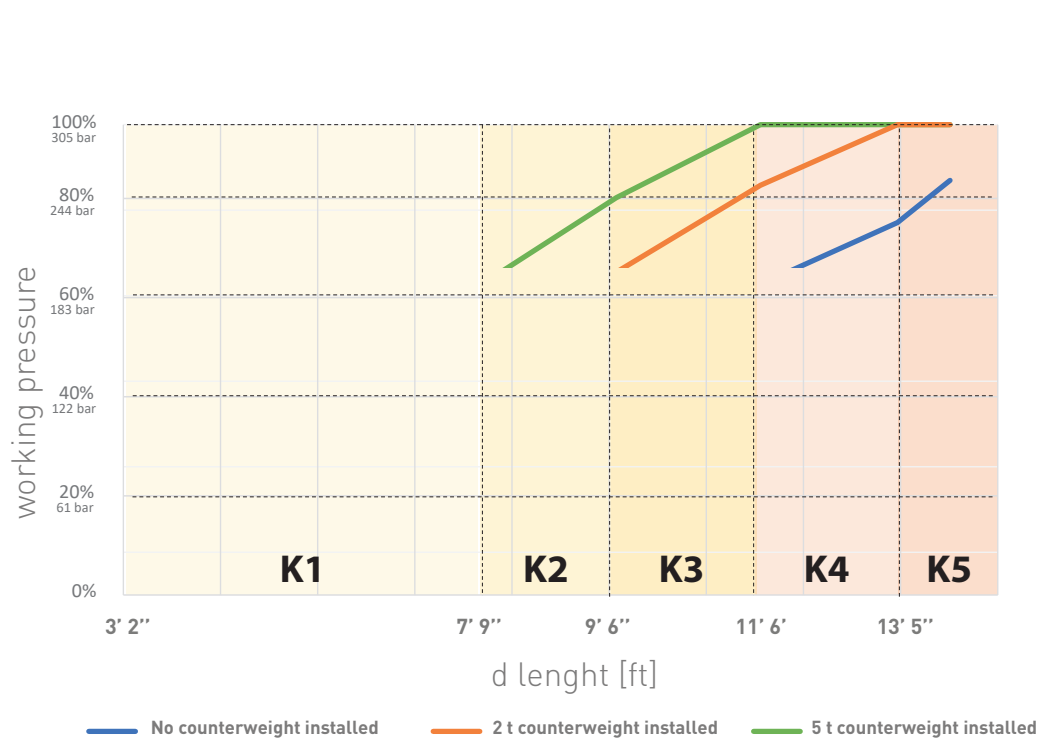
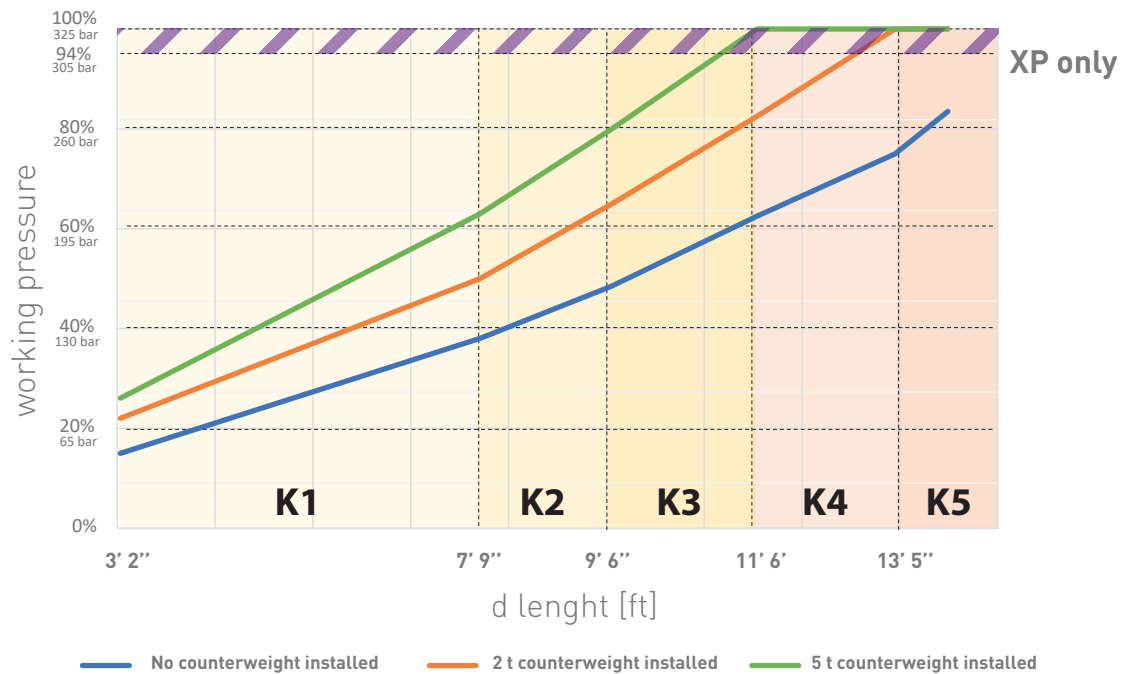
^[1]: LMI limited at 6,610 lb.

CRANE PERFORMANCE

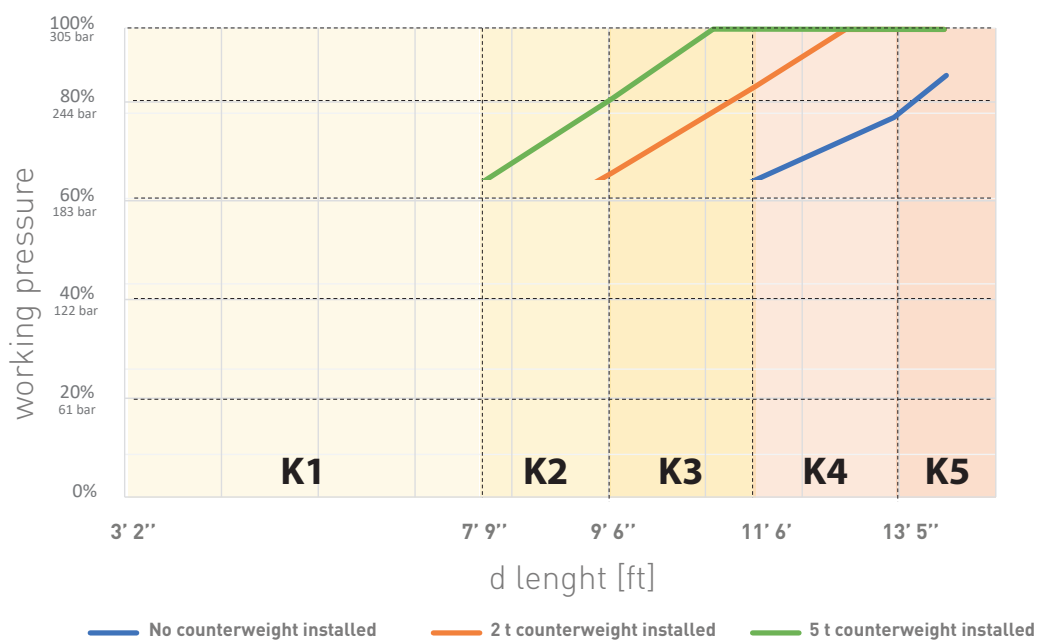
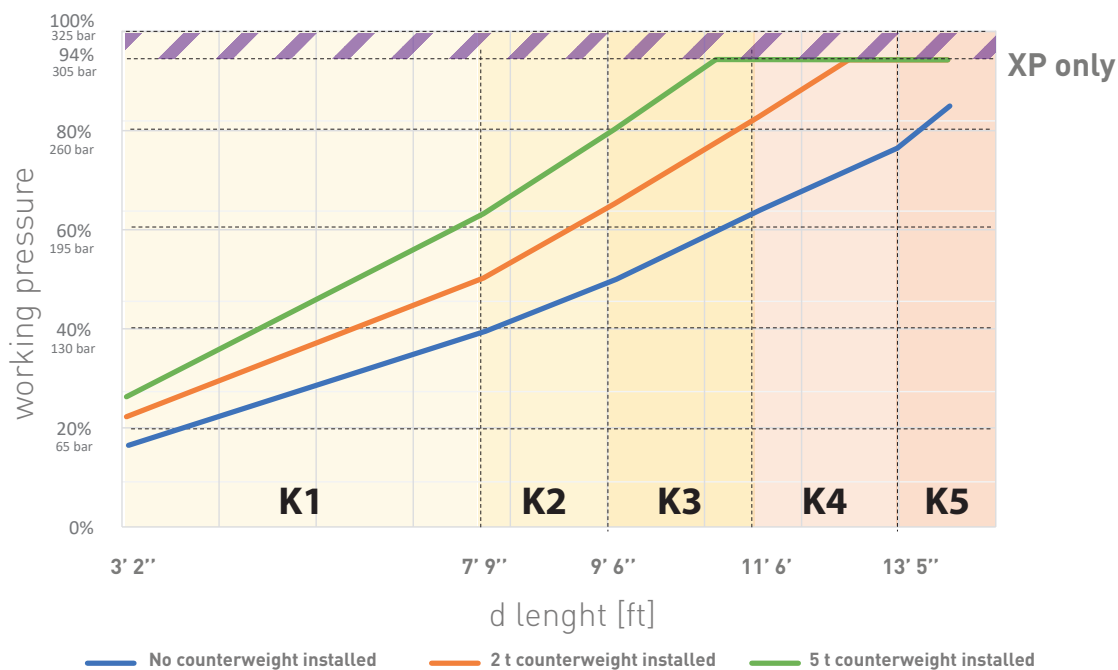


K	d min	d max
K1	3' 2"	7' 9"
K2	7' 9"	9' 6"
K3	9' 6"	11' 6"
K4	11' 6"	13' 5"
K5	13' 5"	-

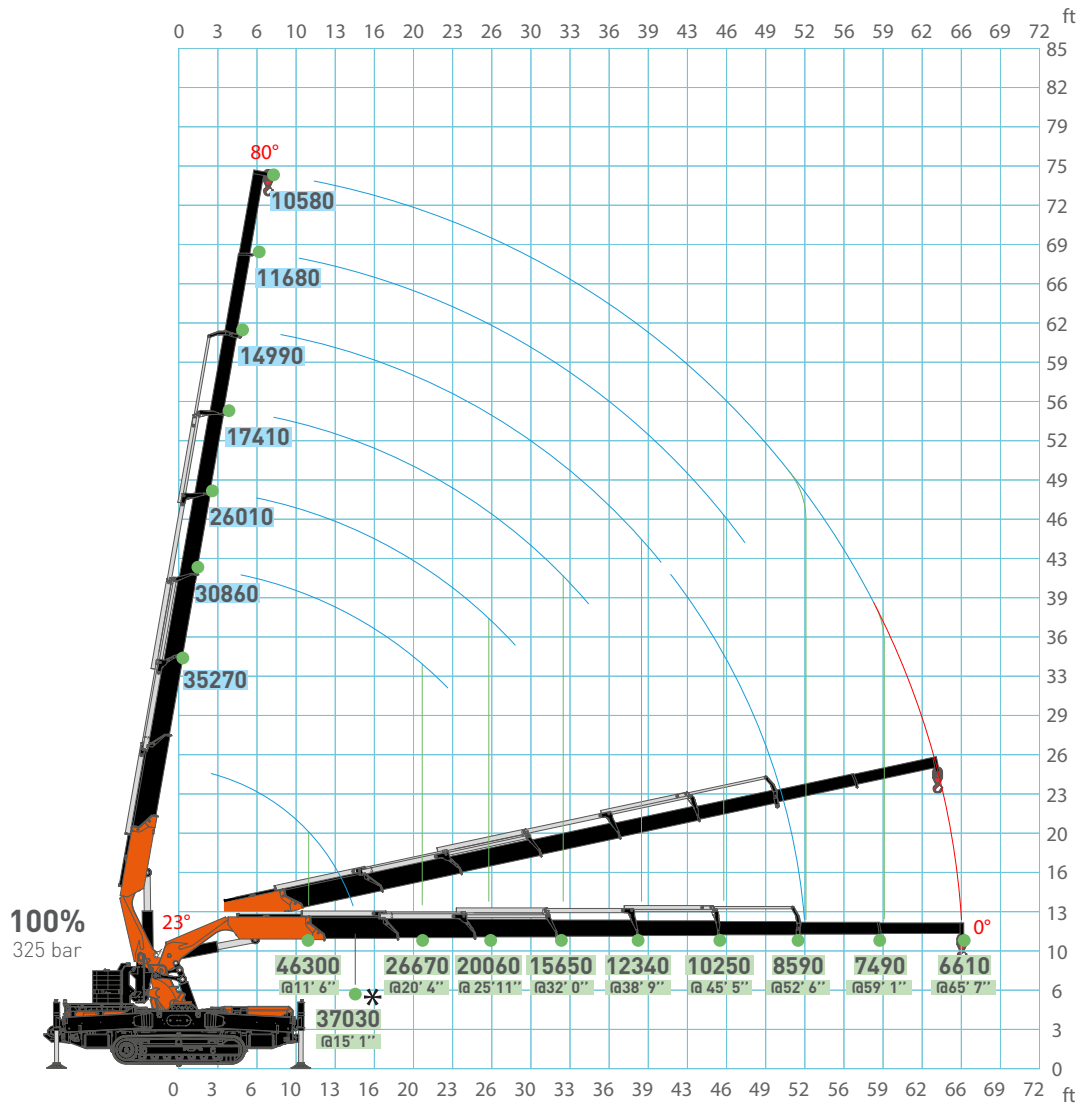
MAIN BOOM



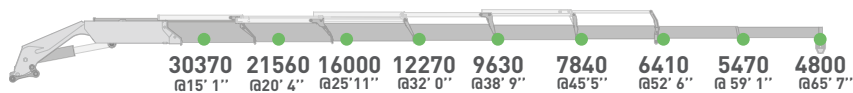
JIB5400.6HA



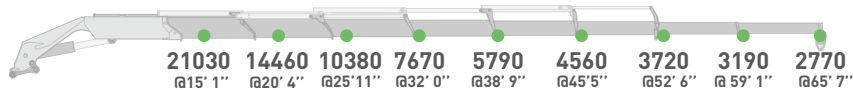
MAIN BOOM



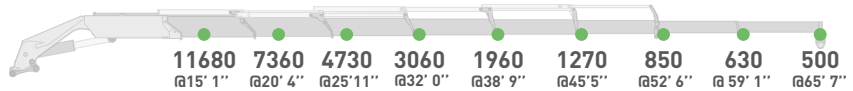
80%
260 bar



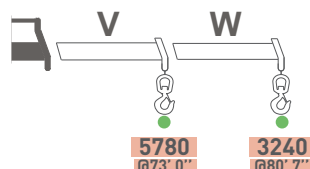
60%
195 bar



40%
130 bar

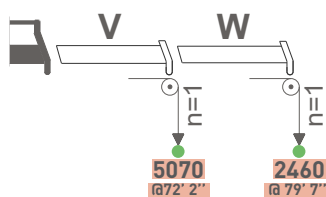
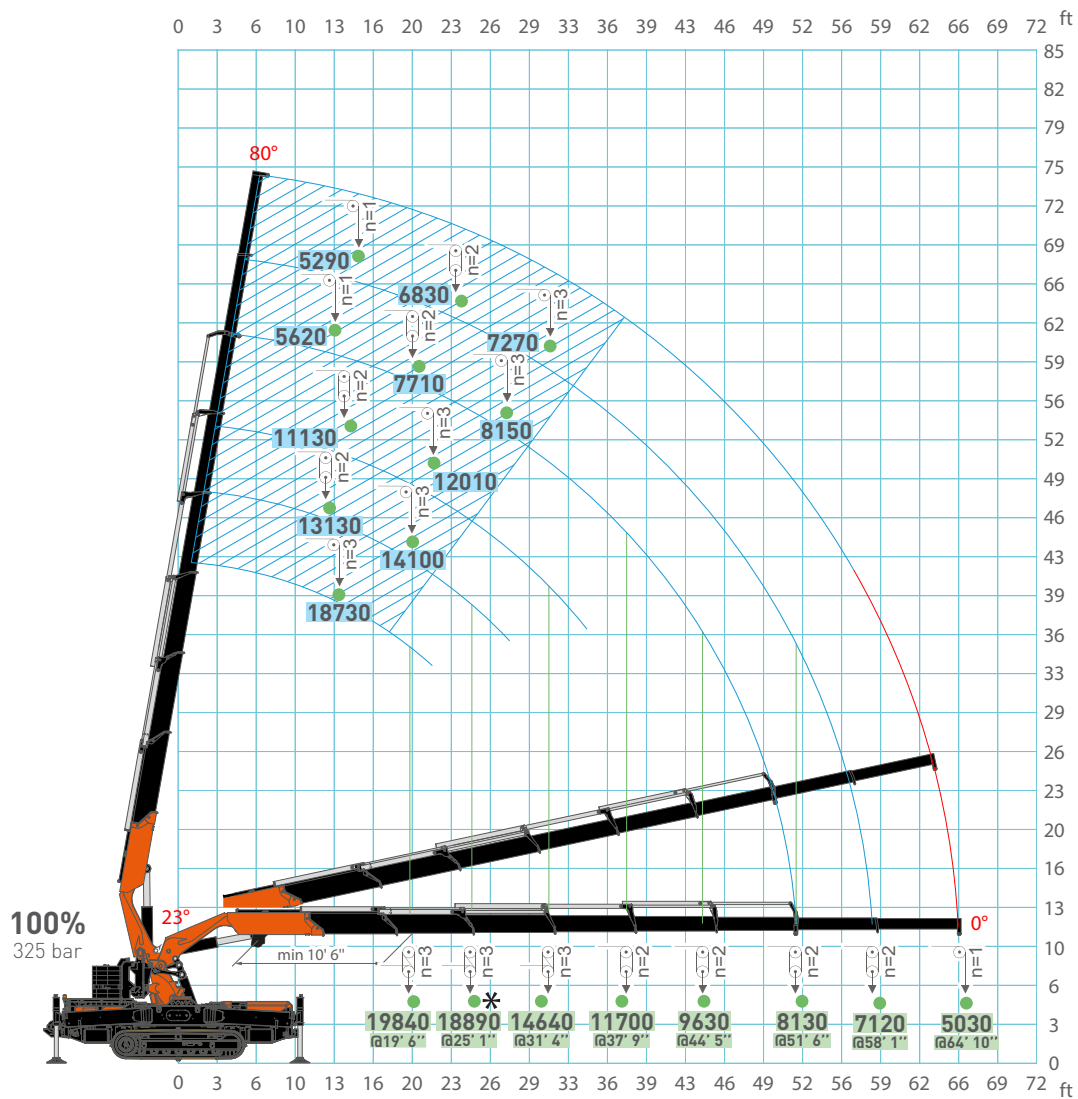


20%
65 bar



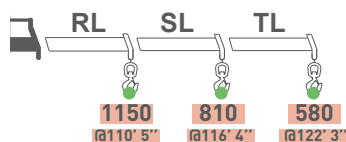
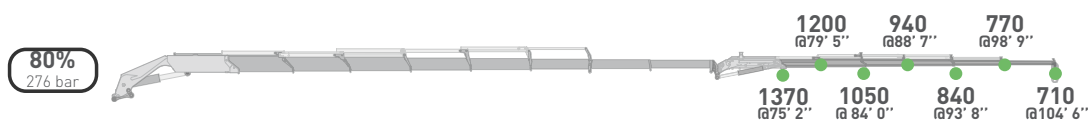
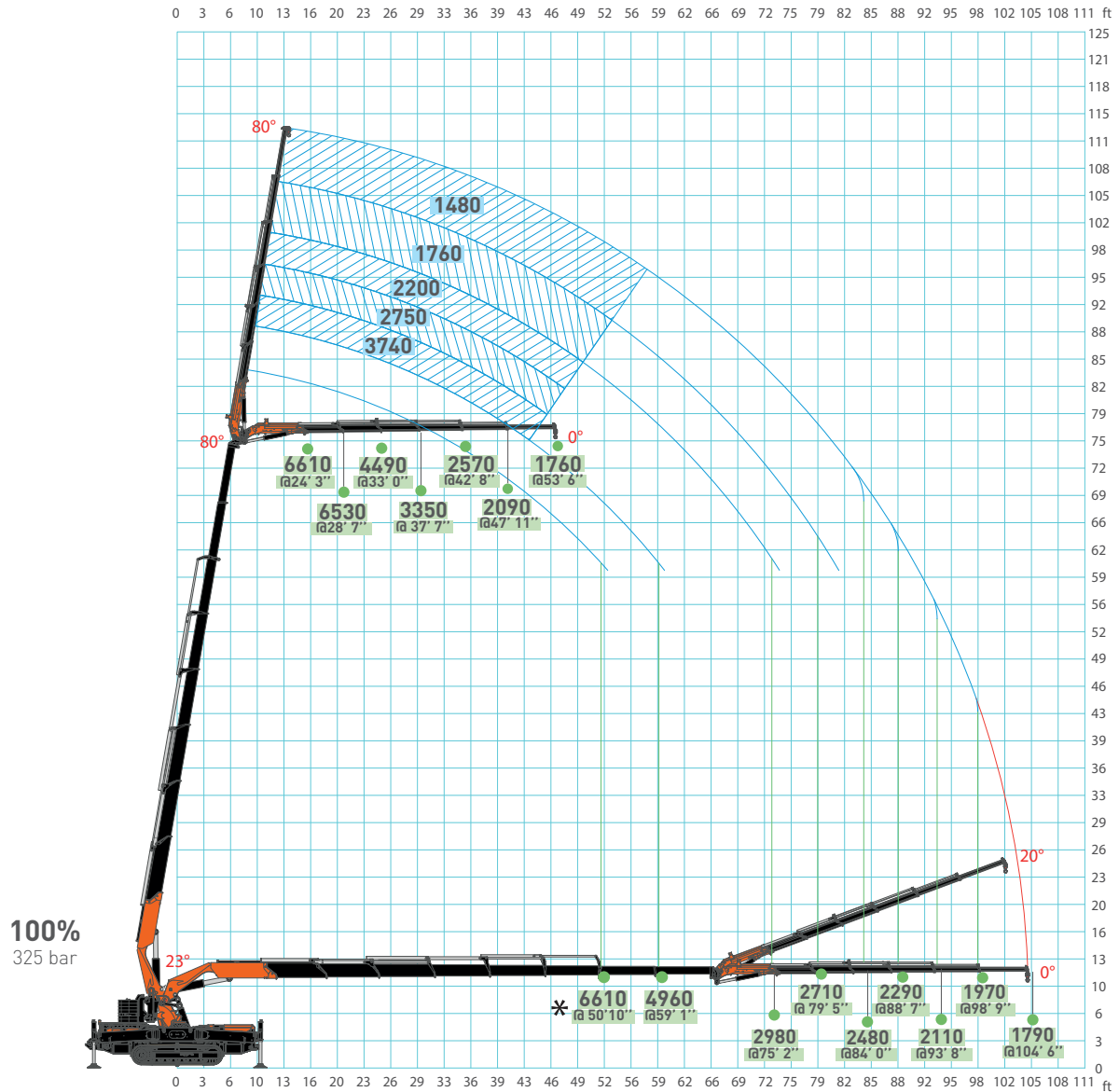
[ft] [lb]

MAIN BOOM



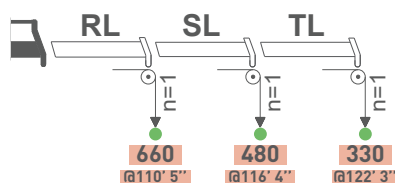
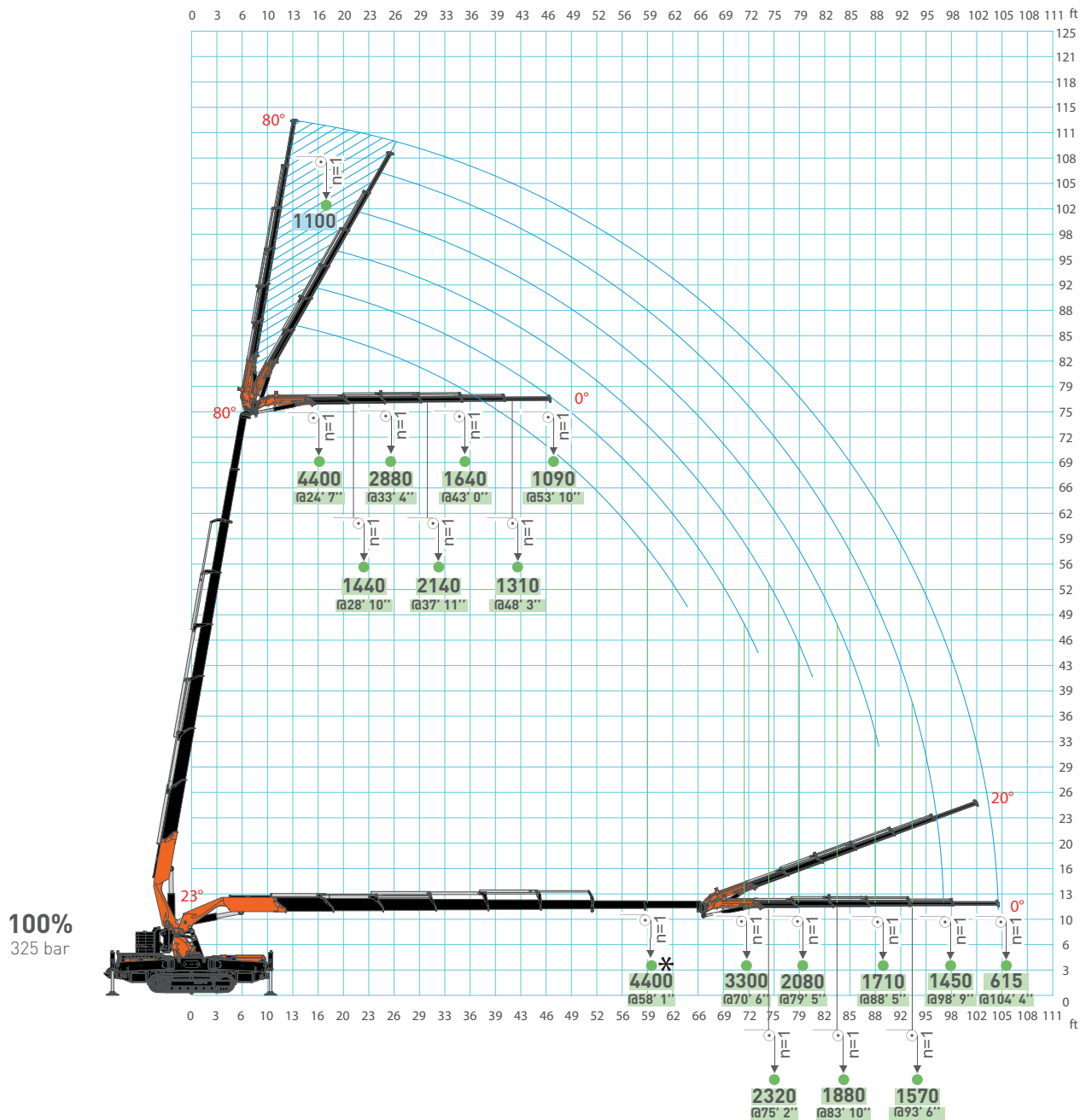


JIB5400.6HA



[ft] [lb] The load chart refers to the crane in deflection condition.

JIB5400.6HA



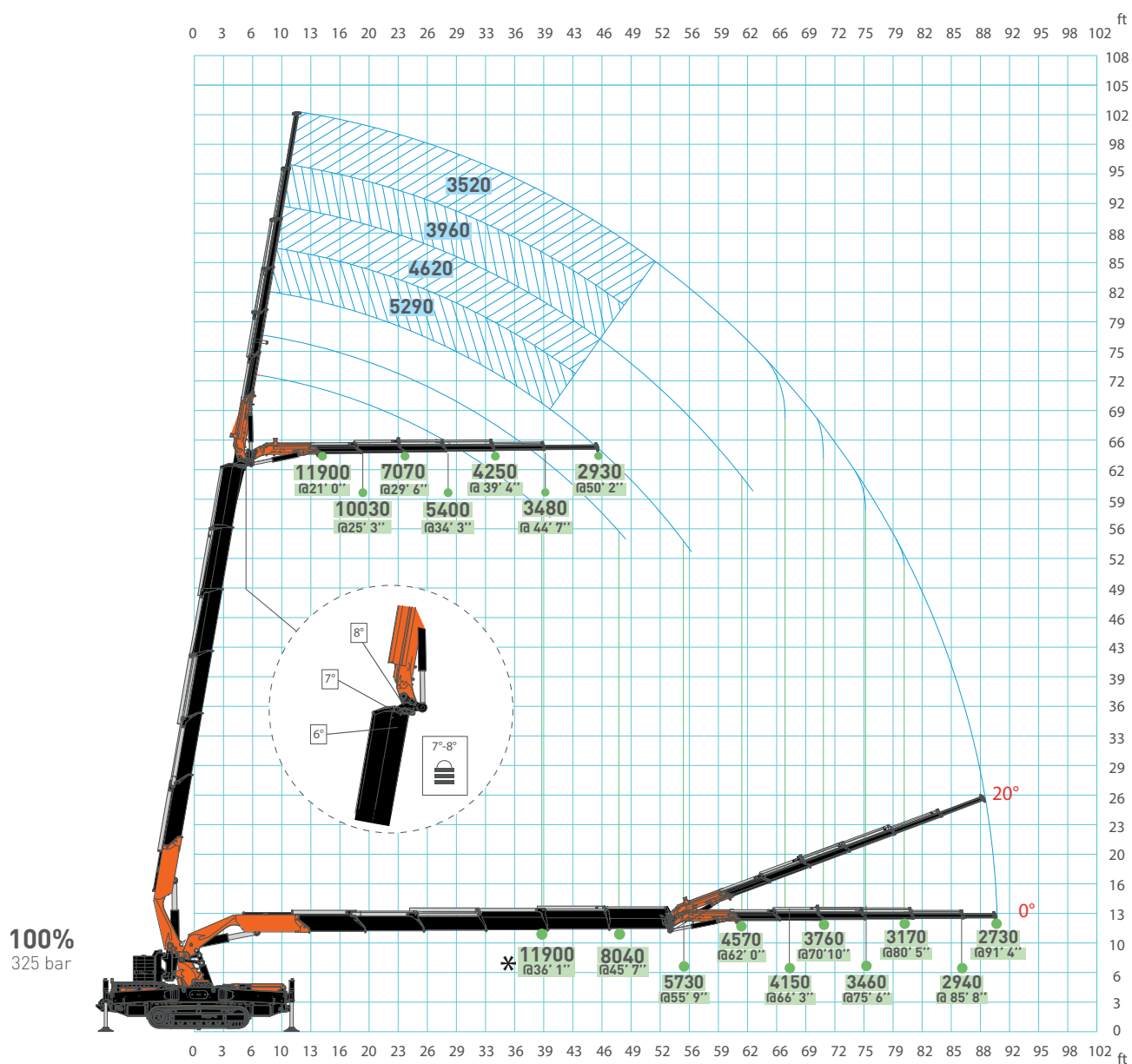
The load chart refers to the crane in deflection condition.

[ft] [lb]

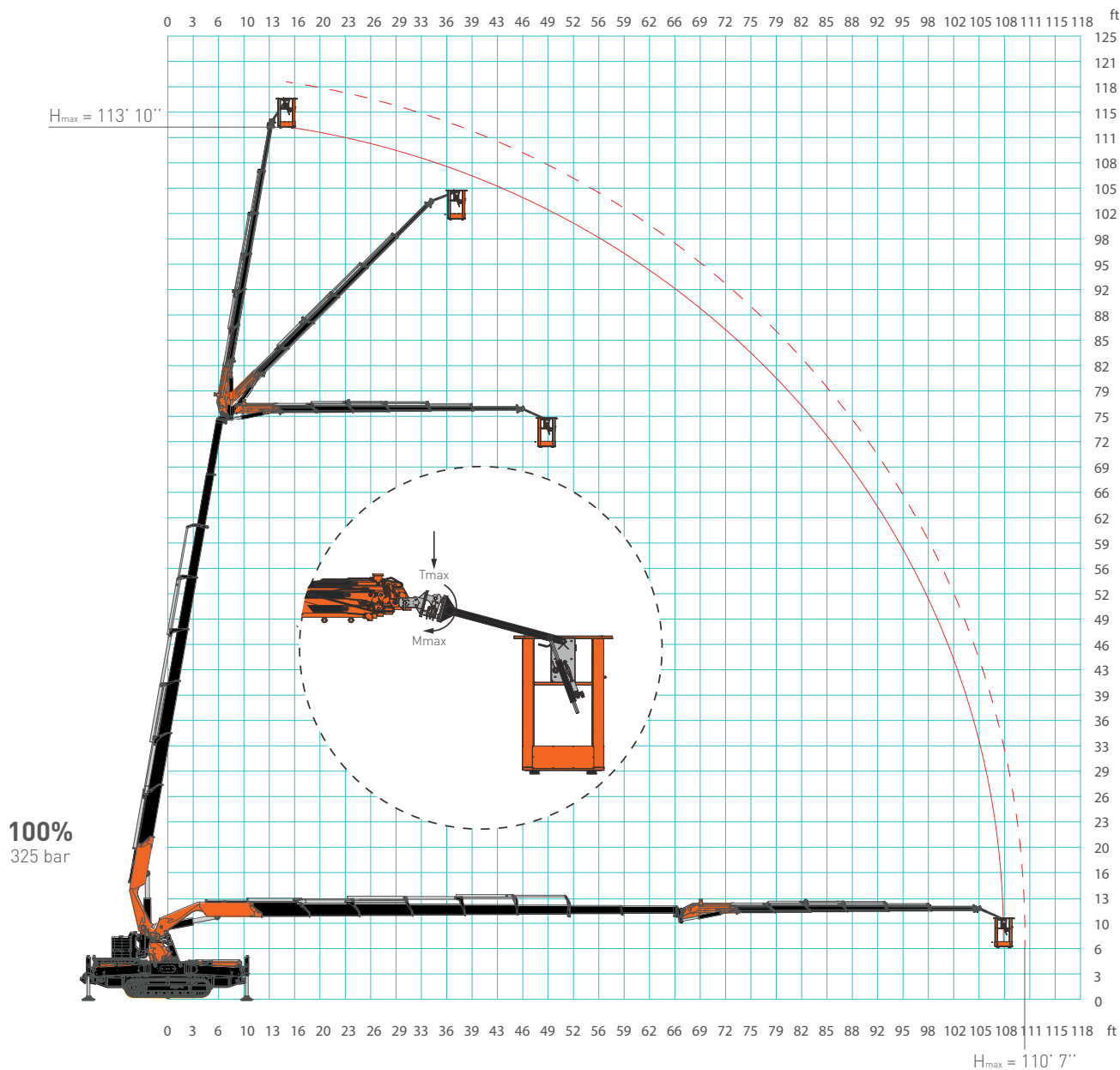


JIB5400.6HA

JDP configuration



MWP-2PG.JIB5400.6HA



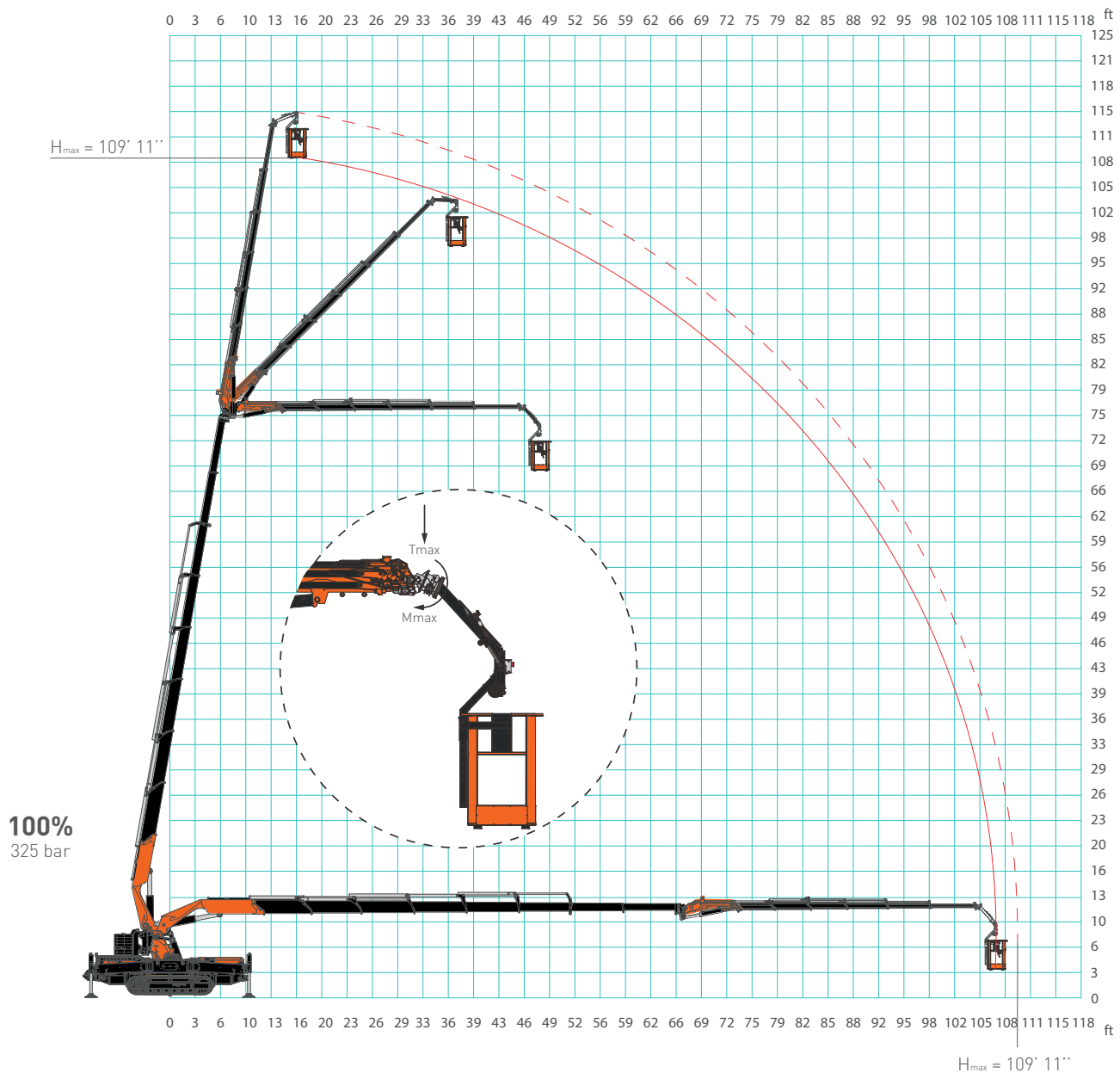
PLE	MWP-2PG.JIB5400.6HA	P_{max}	440 lb
-----	---------------------	-----------	--------

*: The load chart refers to the crane in deflection condition.

**: The crane is equipped with LMI. The maximum reachable distance may vary by about 3' 3''.

***: The maximum reachable distance can be reached by extending the JIB first and then extending the boom.

MWP-2PGR.JIB5400.6HA



PLE	MWP-2PGR.JIB5400.6HA	P_{max}	440 lb
-----	----------------------	-----------	--------

*: The load chart refers to the crane in deflection condition.

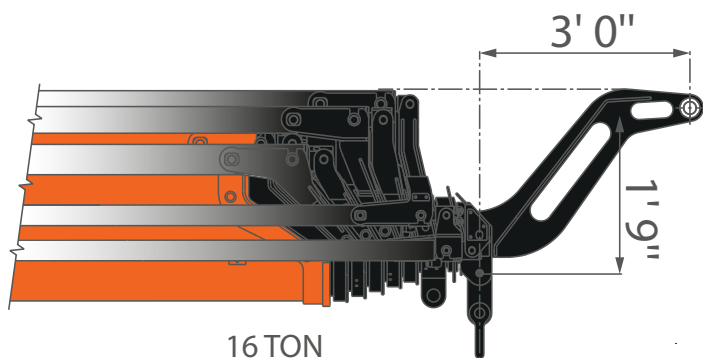
** : The crane is equipped with LMI. The maximum reachable distance may vary by about 3' 3''.

***: The maximum reachable distance can be reached by extending the JIB first and then extending the boom.

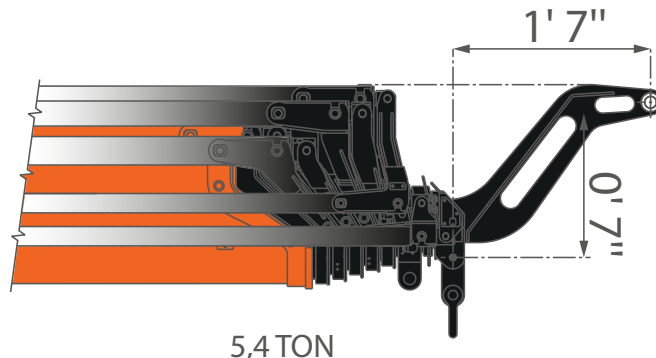
ACCESSORIES FEATURES

MEH-JF990.8

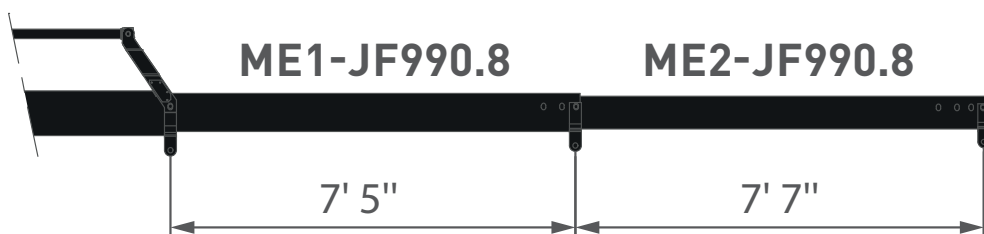
MEH-JIB5400.6HA



16 TON



5,4 TON



ME1-JIB5400.6HA

ME2-JIB5400.6HA

ME3-JIB5400.6HA



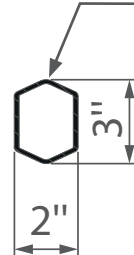
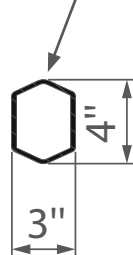
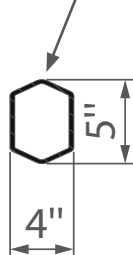
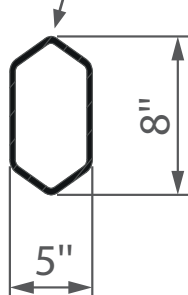
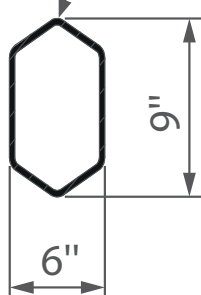
ME1-JF990.8

ME2-JF990.8

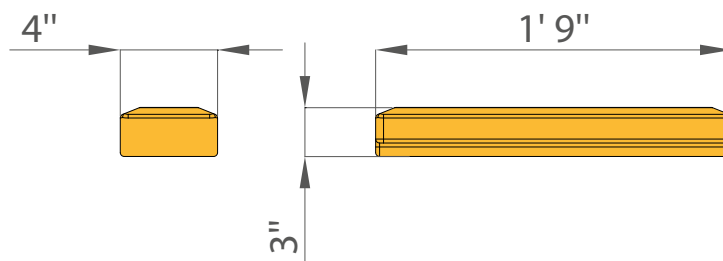
ME1-JIB5400.6HA

ME2-JIB5400.6HA

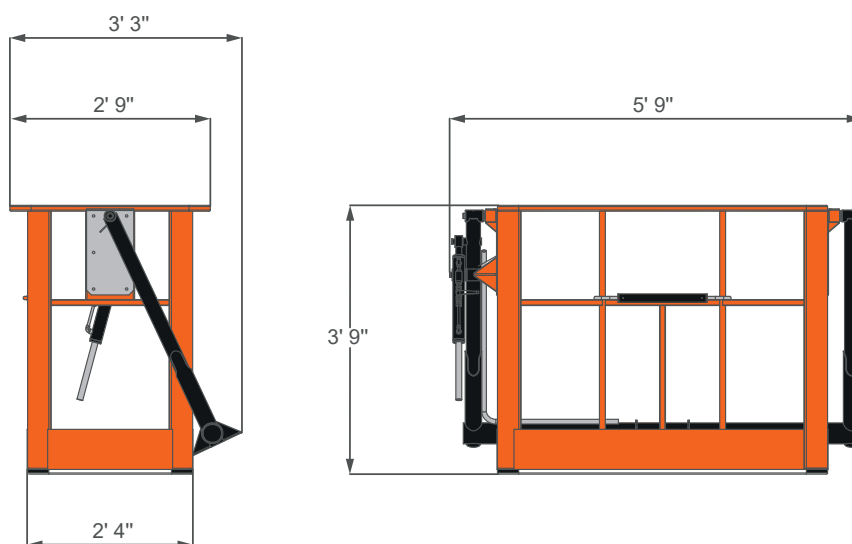
ME3-JIB5400.6HA



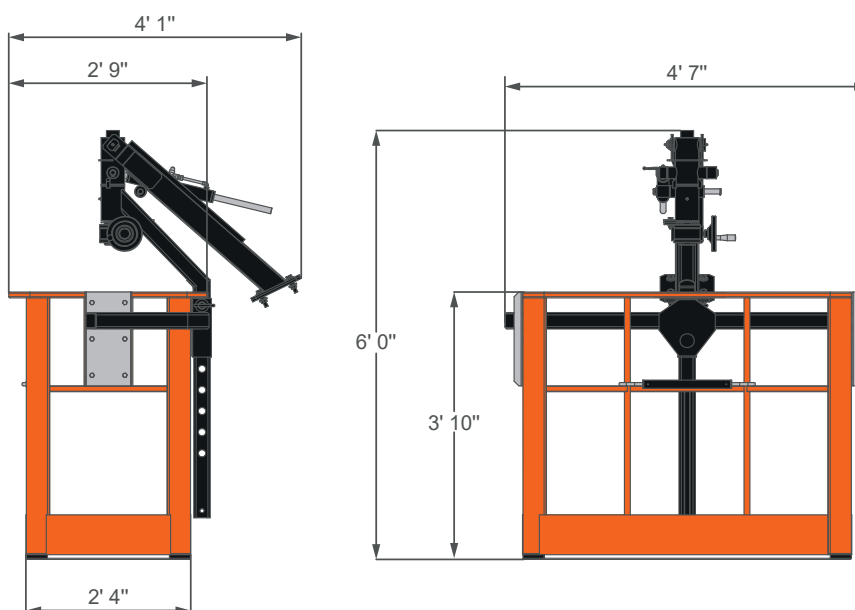
WTP-JFX

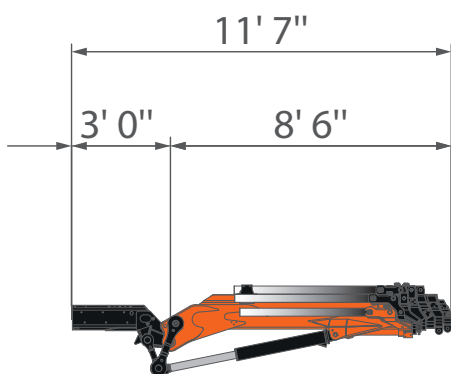


MWP-2PG.JIB5400.6HA



MWP-2PGR.JIB5400.6HA



JIB5400.6HA



SYMBOLS

	Weight		Diesel Engine		Boom Angle		Outriggers Mats
	Crane		Powerpack		Boom Length		Hydraulic Oil
	Gradeability		Turret Slewing		Jib		Maximum Outriggers Load
	Travel Speed		Electric Engine		Hookblock		Working Temperature
	Track Load		Maximum Capacity		Low Marking Pads		Main Winch
	Person Lifting Equipment		Hook				

- Load limited by LMI
- Load to be limited by the operator
- Load to be verified and limited by the operator
- * Max. moment

REMARKS REFERRING TO LOAD CHART

- HC1 HD5 S2 lifting class in hook configuration, whereas HC1 HD4 S2 lifting class in winch configuration, according to EN12999:2020 standards.
- Lifting capacities are given in lb.
- Hookblocks, hooks and eventual manual extensions weight is part of the load and therefore must be deducted from lifting capacities.
- Working radius is measured from the column slewing axis.
- Subject to modification of lifting capacities.

14.05.2025 | Rev1.0

SERIAL NUMBER:



Jekko s.r.l.

Via Campardone, 1 - 31014 Colle Umberto (TV) - Italy
info@jekko.it - www.jekko-cranes.com