



Technical Data

Specification & Capacities

JF545.2



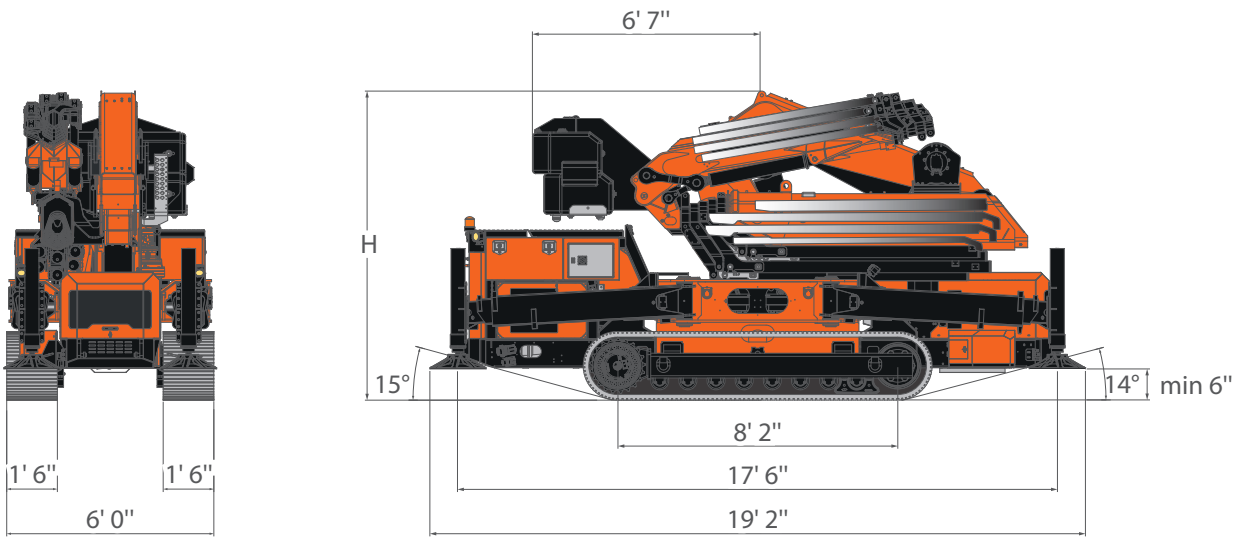
EN 12999:2020

21.11.2025 | Rev0.2

[ft] [lb]

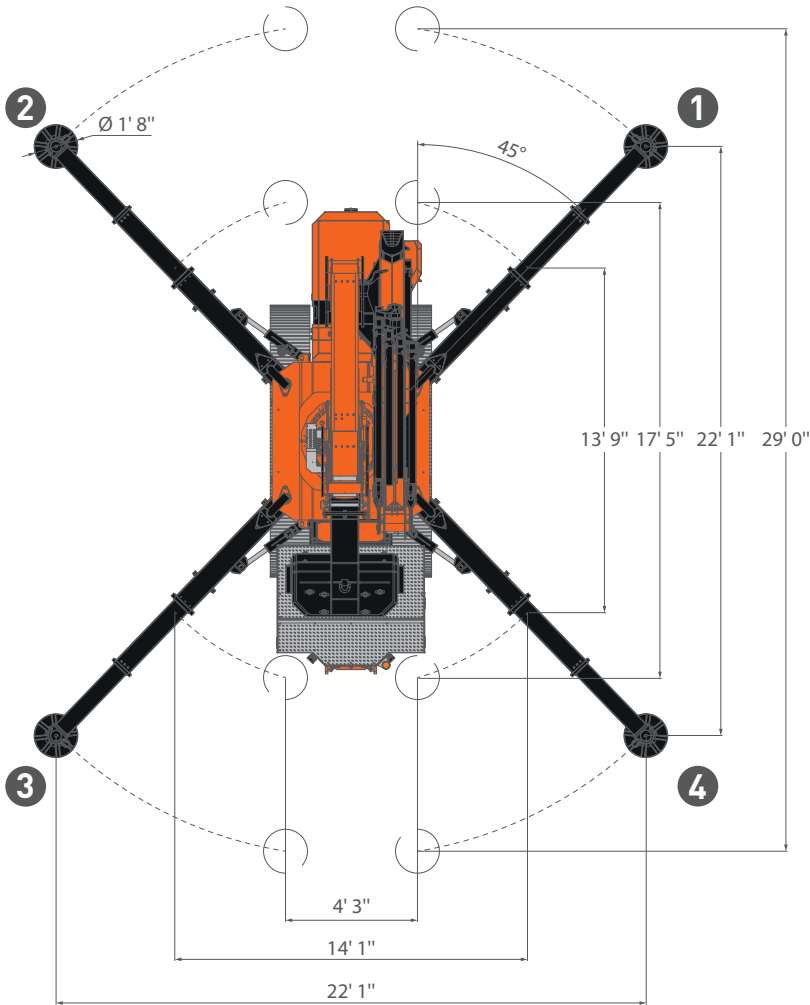
OVERALL DIMENSIONS

(with jib and low marking pads)



H	WITH V20 winch	9' 3"
	WITH V30 winch	9' 6"

STABILITY AREAS

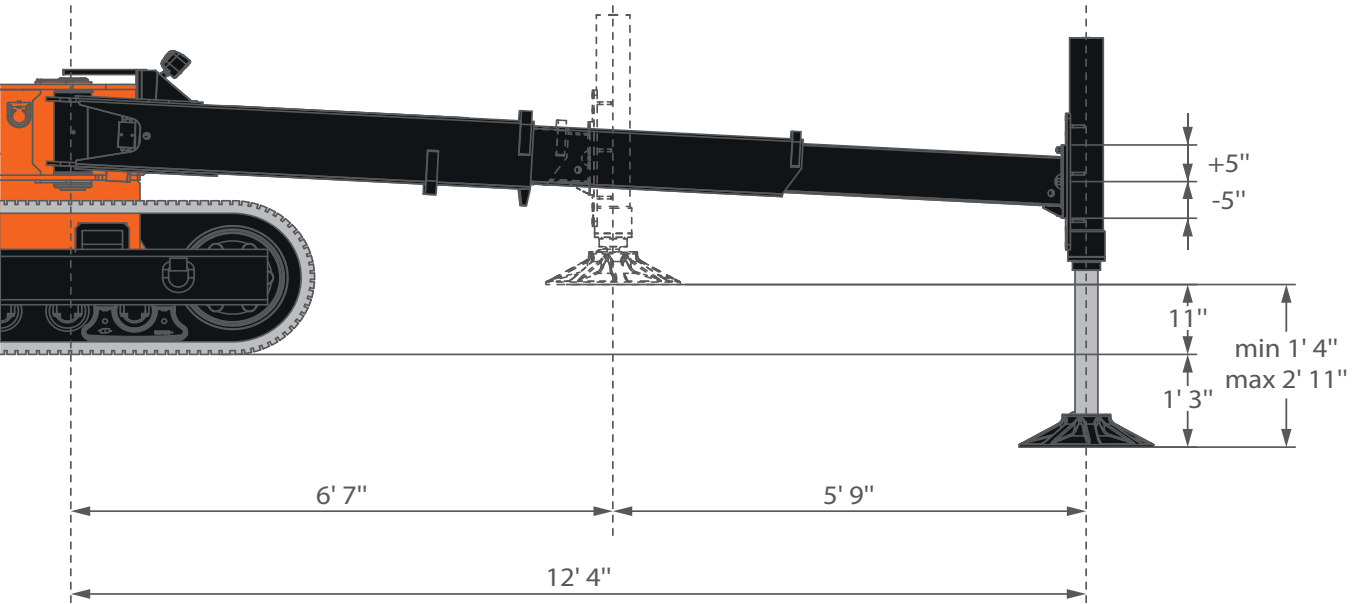
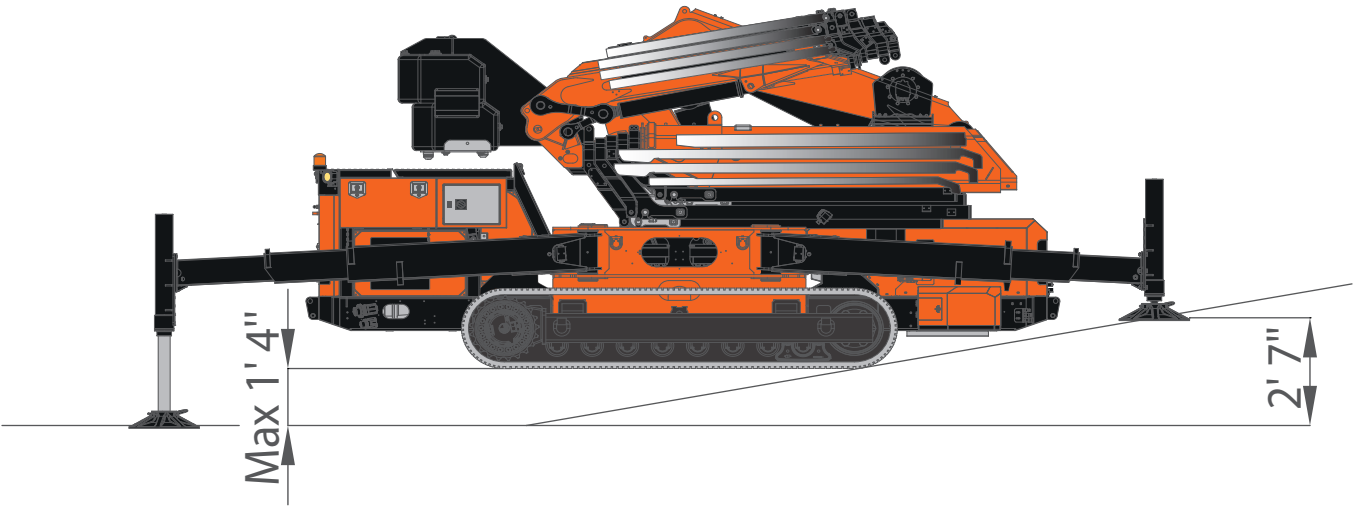


Min stability angle: 0°
Max stability angle: 45°

[ft]



STABILIZATION ADJUSTMENT



OVERALL INFORMATIONS

CRANE INFO			DESCRIPTION	U.M	VALUE
		OVERALL DIMENSIONS	Height	ft	9' 3"
			Length		19' 2"
			Width		6' 0"
		BOOM	Length	ft	53' 6"
			Speed	s	50 ^[1]
		SLEWING	Angle	°	360°
			Speed	rpm	0.67
		LIFTING	Working Angle	°	0°/80°
			Speed	s	Primary: 37 Secondary: 47
		Max Capacity		lb	34,200
		Max Outrigger Bearing Load		lb	24,800 ^[2]
		Track load		lb/in ²	12.1
		Travel Speed	Slow	mph	0.6
			Fast		1.4
		Gradeability		°	15° (27%)
		Working Temperature		°F	14°/+104°

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

^[2]: Static lifting



OVERALL INFORMATIONS

WEIGHT		CRANE	JF545.2 (with activation)	lb	30,270 ^{[1][2]}
			Counterweight		7,710

HOOKBLOCKS		HOOK BLOCK	Single Fall	lb	104
			Double Fall		128
			Single Fall Jib		163

ACCESSORIES		JIB	JIBL426	With activation	lb	2,780
				Without activation		2,515
		MANUAL EXTENSIONS	ME1-545.6		lb	210
			ME2-545.6			155
			ME3-545.6			100
			MEH-545.6			200
			MEH-JIB3000.6HA			50
			ME1-JIB3000.6HA			80
		LOW MARKING PADS	WTP-JFM (x92)		lb	660
		OUTRIGGERS MATS	OM500 (x4)		lb	200
		POWERPACK	3-Phase Power pack		lb	180
		PLE	MWP-1PG.JIB3000.6HA		lb	293
			MWP-2PG.JIB3000.6HA			350
			MWP-2PG-S.JIB3000.6HA			330
			MWP-2PG-A.JIB3000.6HA			293
			MWP-2PGR.JIB3000.6HA / MWP-2PGR.JF545.2			455
			MWP-2PGR-S.JIB3000.6HA			420
MWP-2PGR-A.JIB3000.6HA			380			

^[1]: Dry weight

^[2]: Estimated fluids weight = 330 lb

OVERALL INFORMATIONS

ENGINE		DIESEL ENGINE	Power	kW	55.4
				HP	74
			Tank capacity	gal	20
		ELECTRIC	Voltage	V	400
			Power	kW	13

HYDRAULIC SYSTEM		Maximum Working Pressure		bar	345
		Tank Capacity		gal	53
		OIL	Type	Mineral	ISO 6743-4:HV
			Viscosity Grade	VG	46
		DIESEL MAIN PUMP	Type	Variable Flow Pump LS	
			Displacement	in³/rev	4.9
			Max Oil Flow	gal/min	42
		ELECTRIC MAIN PUMP	Type	Variable Flow Pump LS	
			Displacement	in³/rev	2.8
			Max Oil Flow	gal/min	16

WINCH PERFORMANCE

W2000-JFM

WINCH	Layer		Max pull line	Standard rope speed
			daN	ft/min
	1		2,000 ^[1]	148
ROPE	4		— ^[1]	189
	Wire rope	Max load	Ø	Total length
		daN	in	ft
	19x7 right lang lay Non rotating	12,750	1/2"	196' 10"

HOOK BLOCK	Block type	Load	N° of	
		lb	Sheaves	Lines
	Single fall block	4,410	-	1
	Double fall block	7,715	1	2
	Triple fall block	13,230	1	3

W3000-JFM

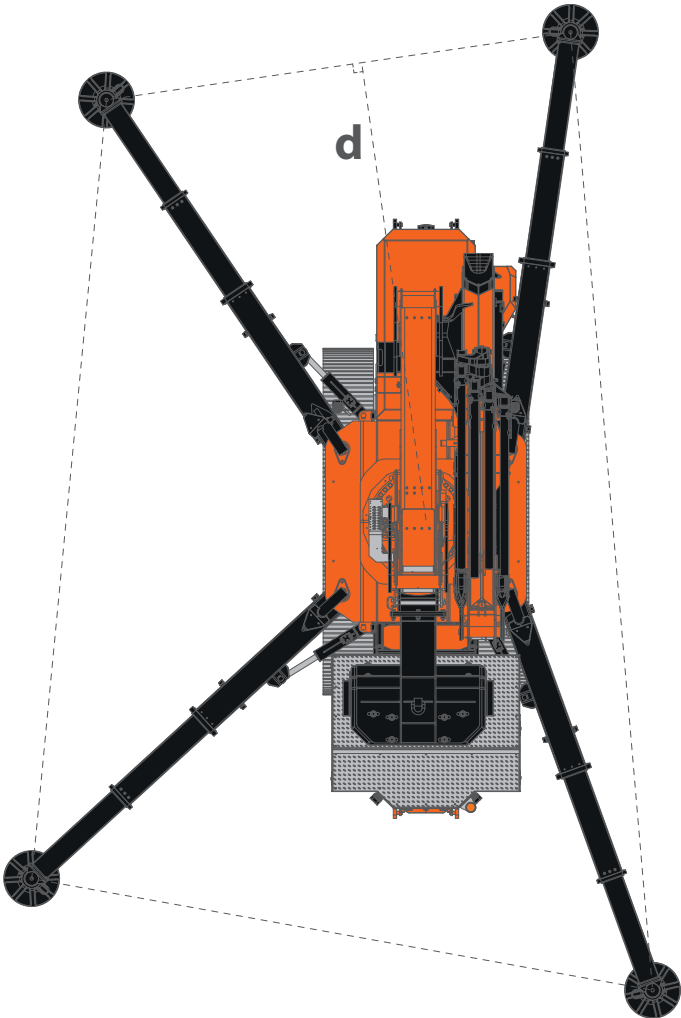
WINCH	Layer		Max pull line	Standard rope speed
			daN	ft/min
	1		3,000 ^[2]	92
ROPE	3		— ^[2]	118
	Wire rope	Max load	Ø	Total length
		daN	in	ft
	19x7 right lang lay Non rotating	18,600	9/16"	196' 10"

HOOK BLOCK	Block type	Load	N° of	
		lb	Sheaves	Lines
	Single fall block	6,615	-	1
	Double fall block	13,230	1	2

^[1]: LMI limited at 4,410 lb

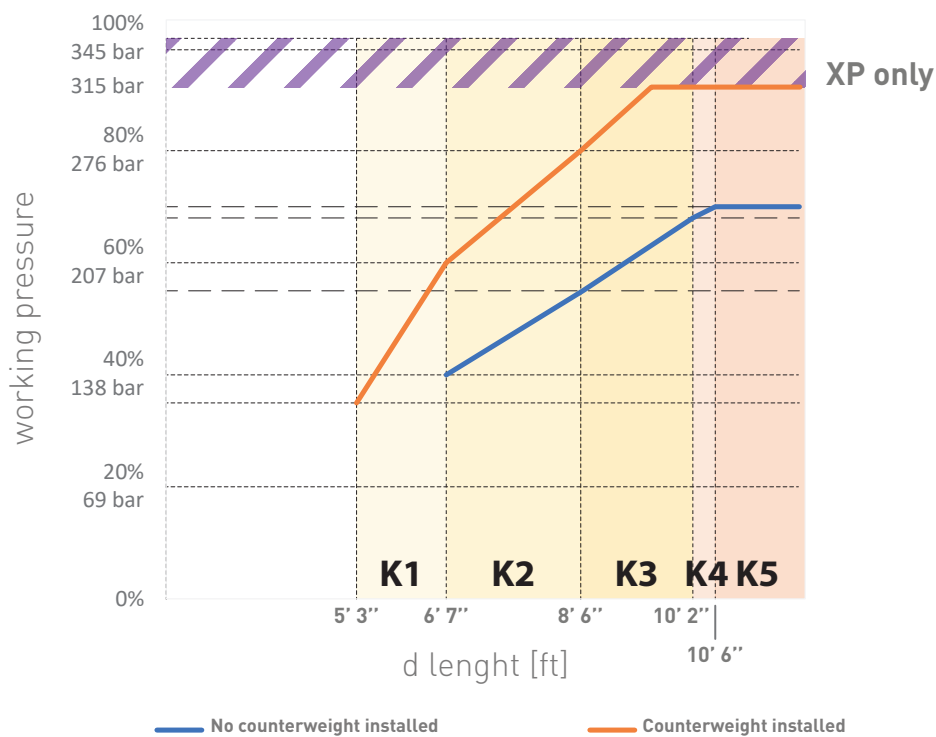
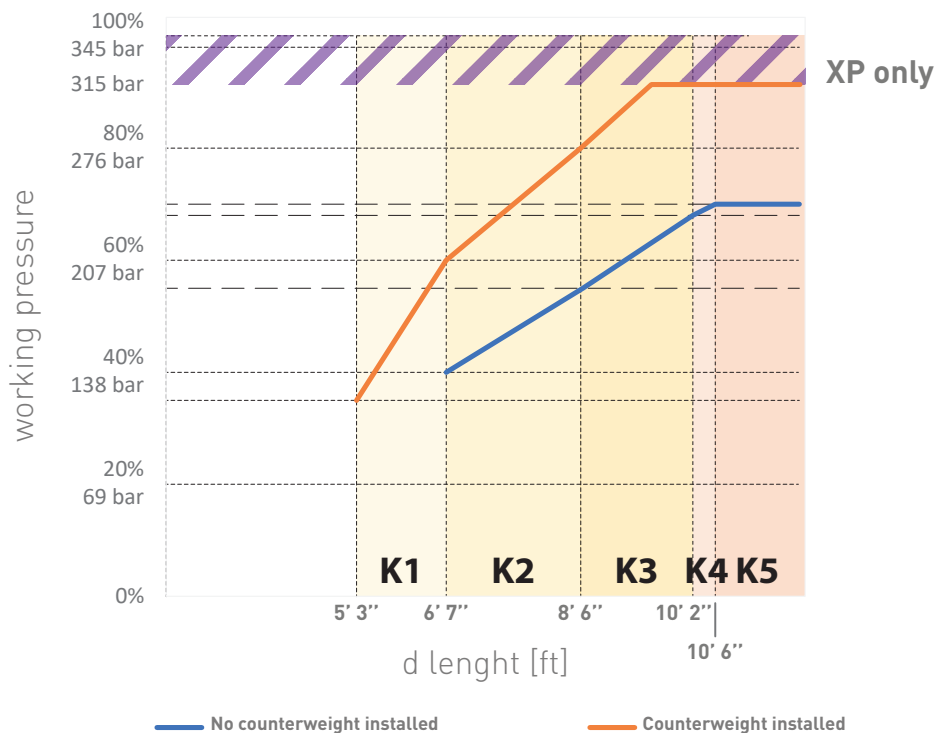
^[2]: LMI limited at 6,615 lb

CRANE PERFORMANCE

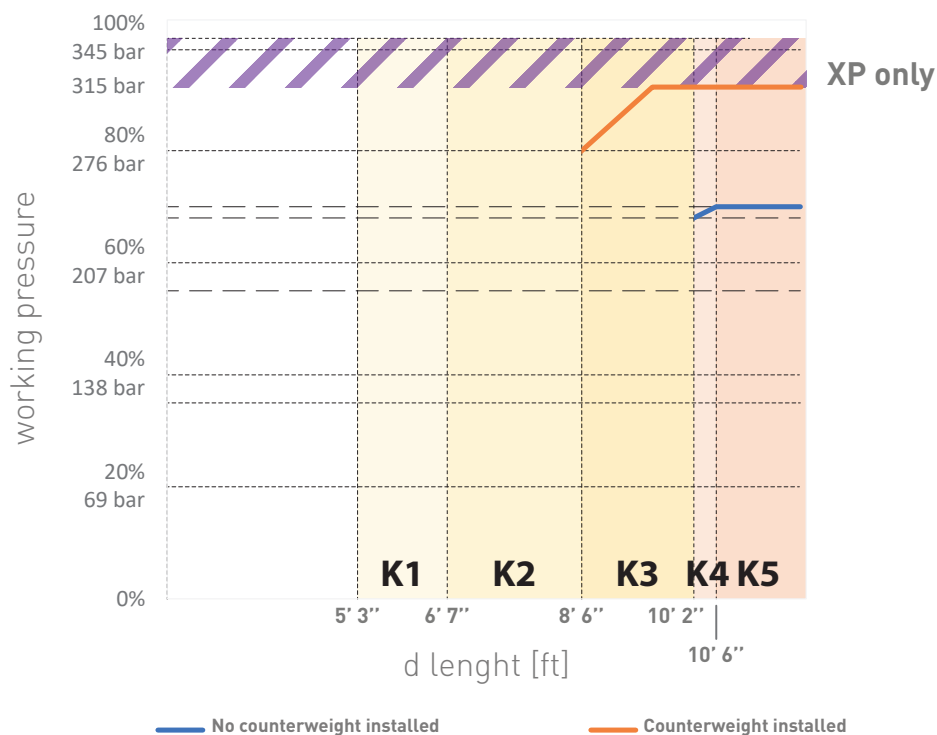
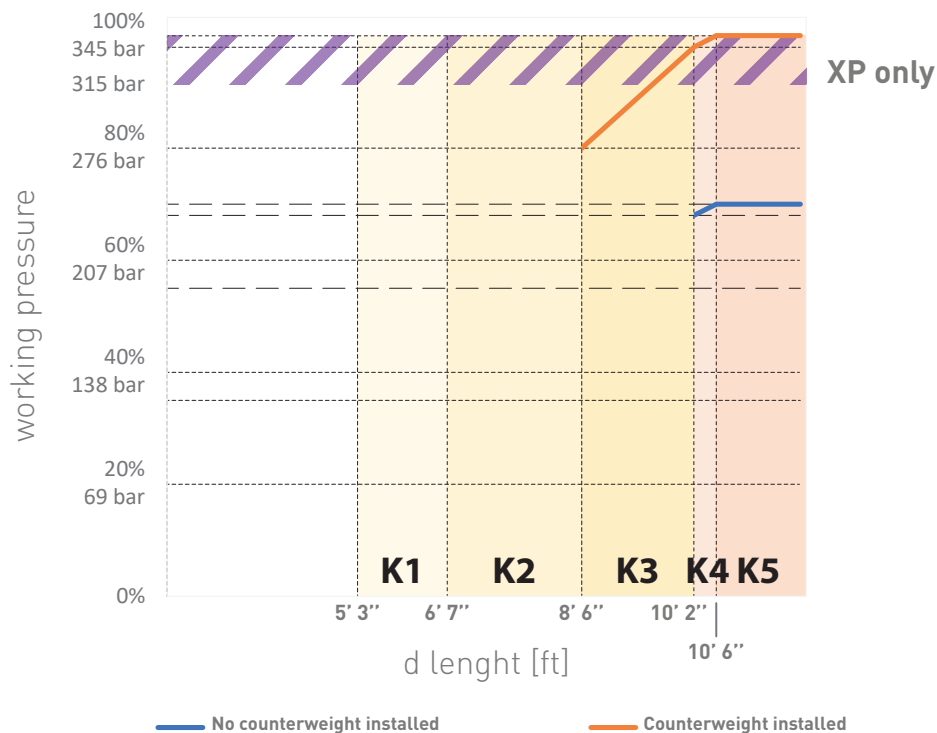


K	d min	d max
K1	5' 3"	6' 7"
K2	6' 7"	8' 6"
K3	8' 6"	10' 2"
K4	10' 2"	10' 6"
K5	10' 6"	-

JF545.2 - MAIN BOOM

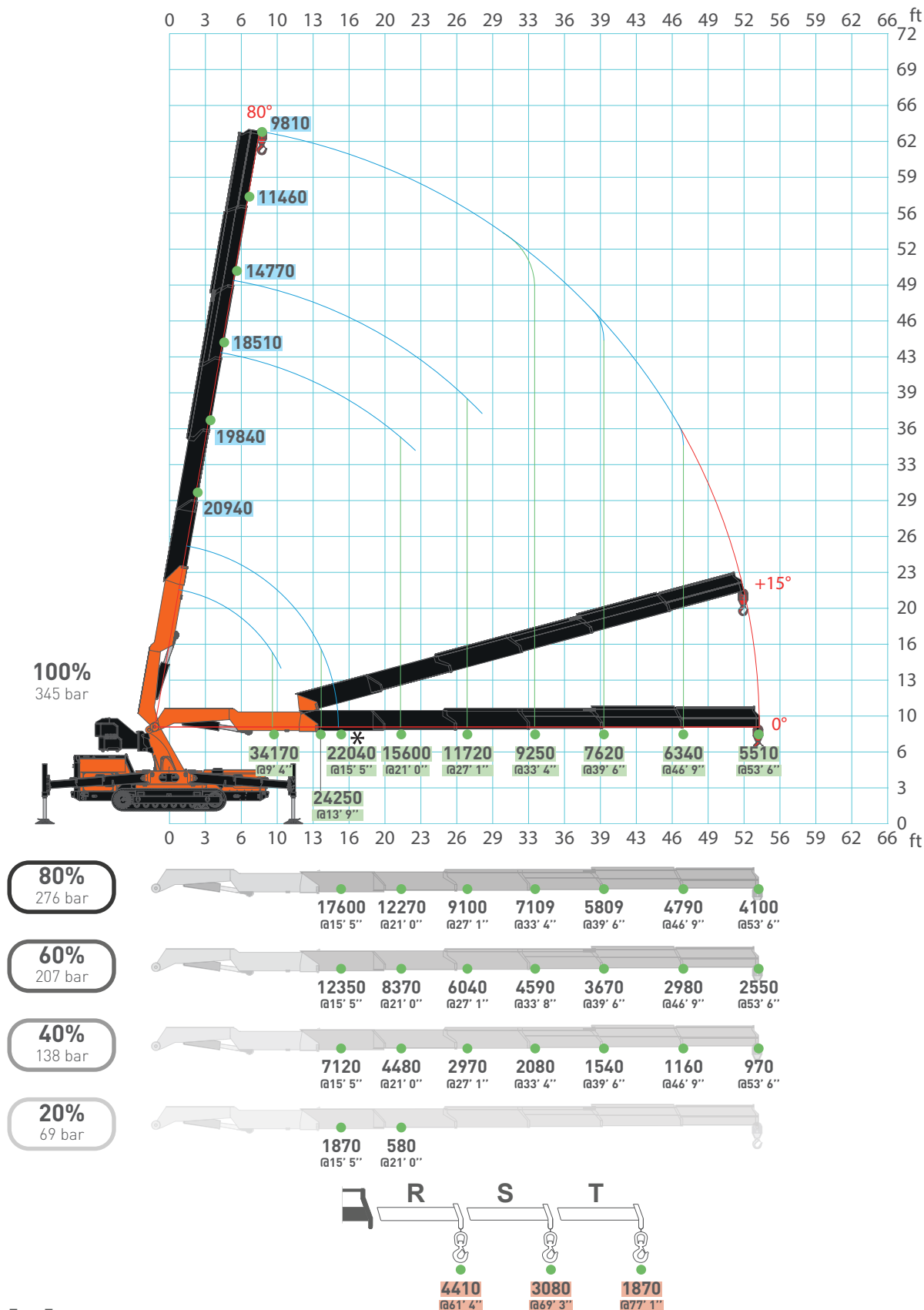


JF545.2 - JIB3000.6HA



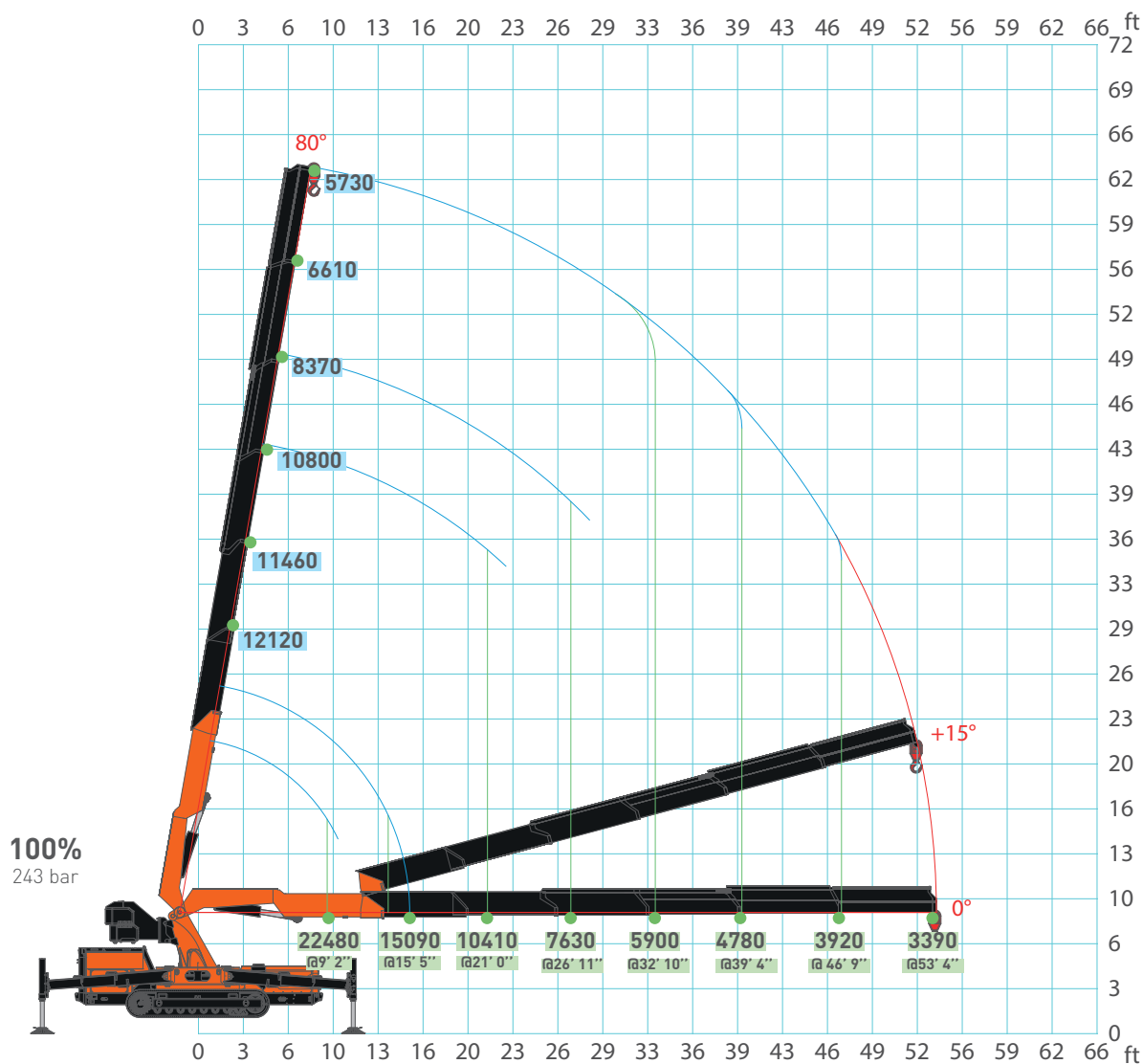


JF545.2 - MAIN BOOM

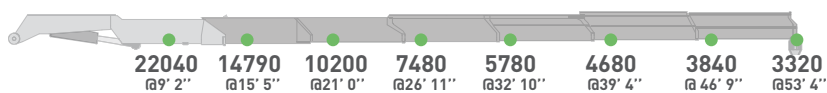


[ft] [lb]

JF545.2 - MAIN BOOM



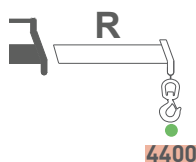
98%
238 bar



80%
192 bar



57%
140 bar

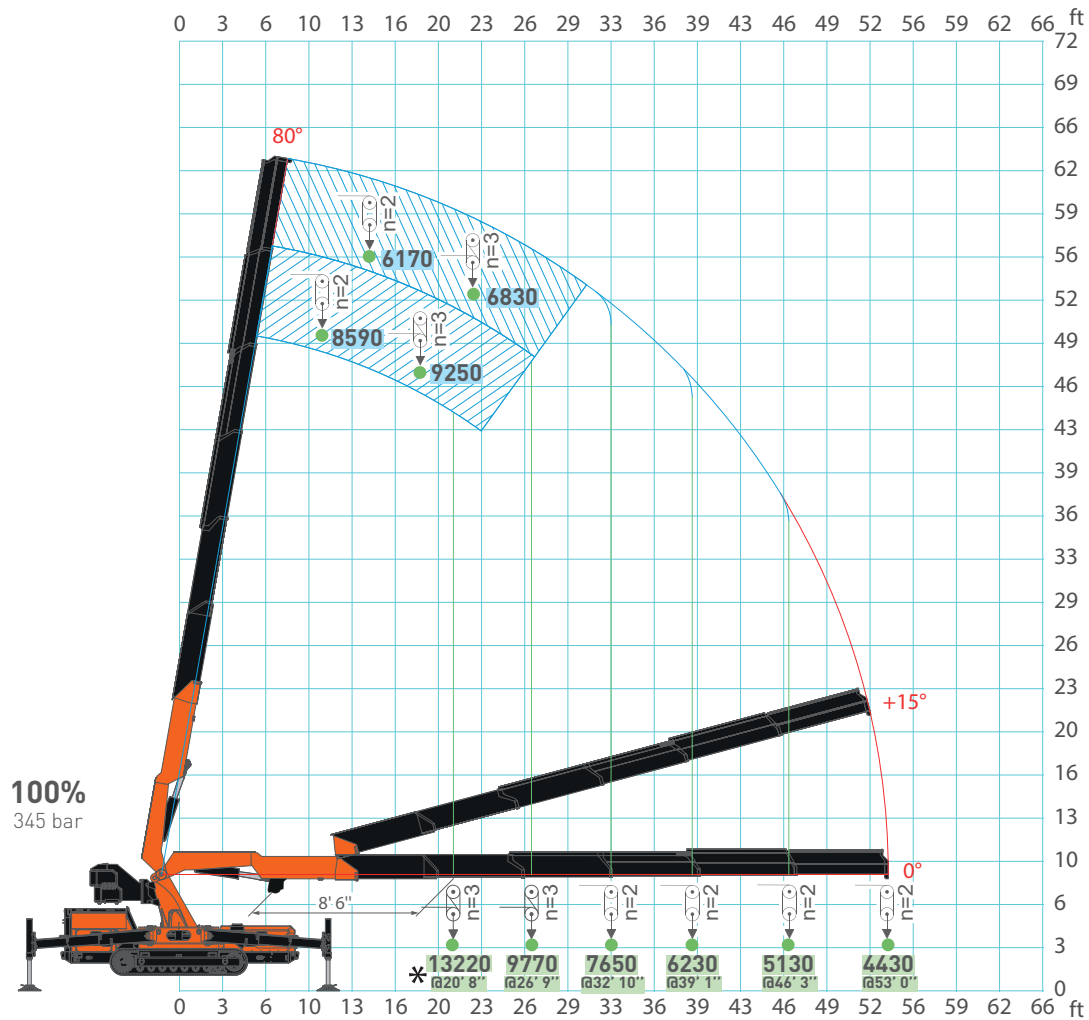


[ft] [lb]

JF545.2 - MAIN BOOM

7710 lb

V20



80%

276 bar

60%

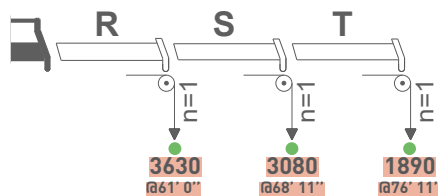
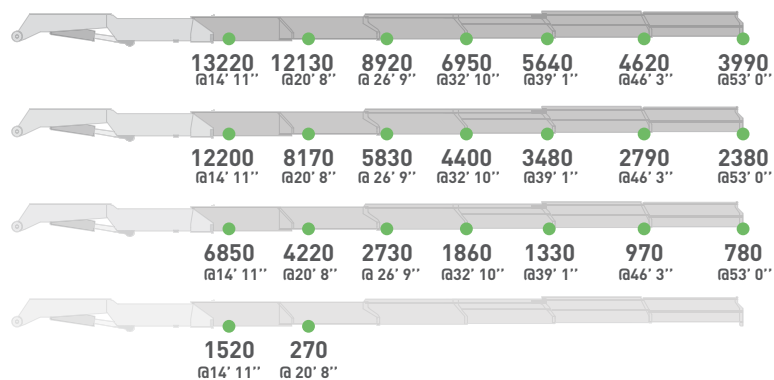
207 bar

40%

138 bar

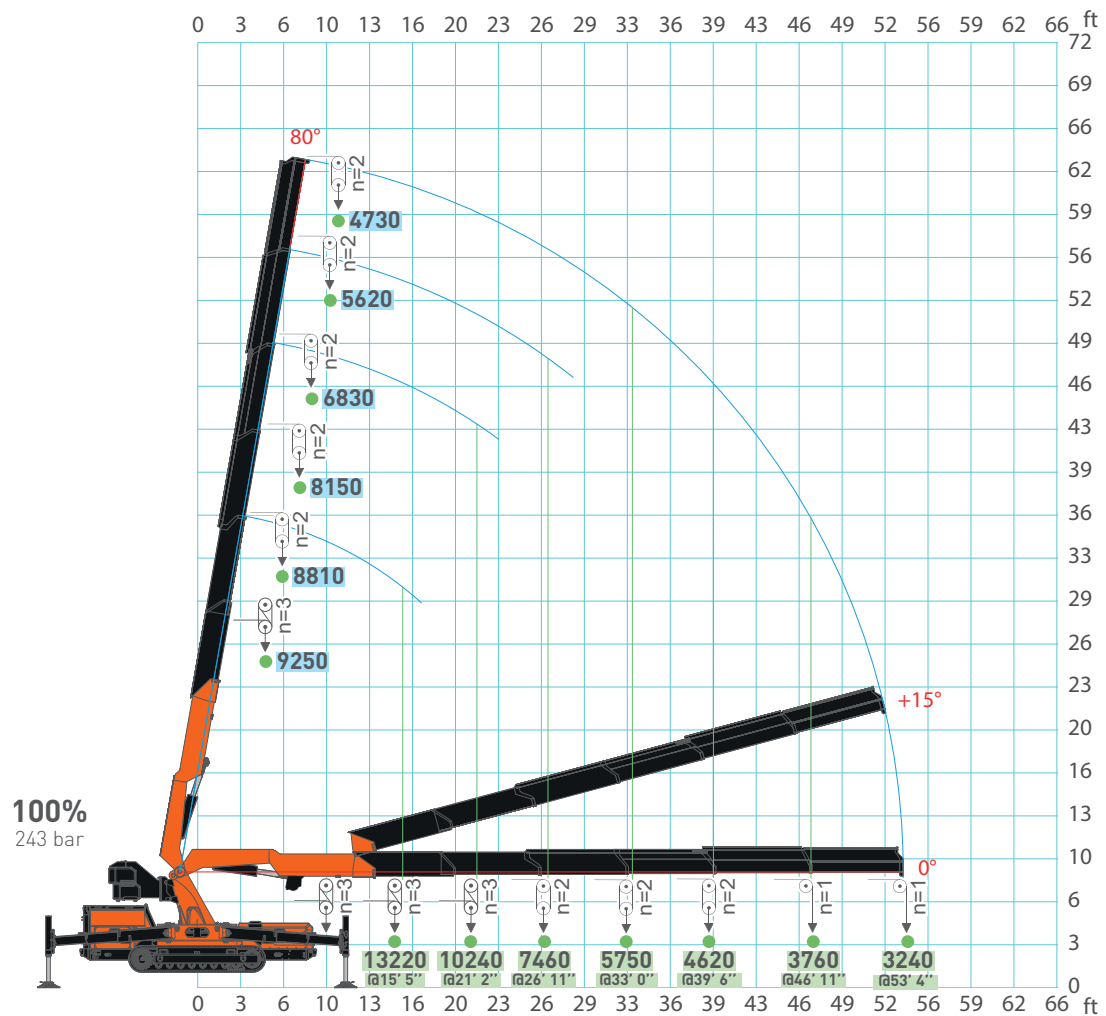
20%

69 bar

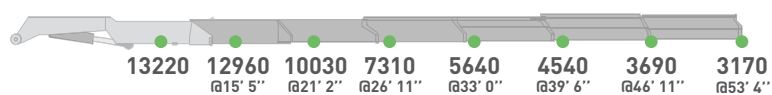


[ft] [lb]

JF545.2 - MAIN BOOM



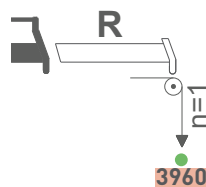
98%
238 bar



80%
192 bar



57%
140 bar

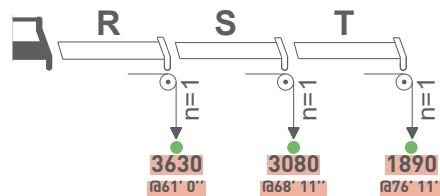
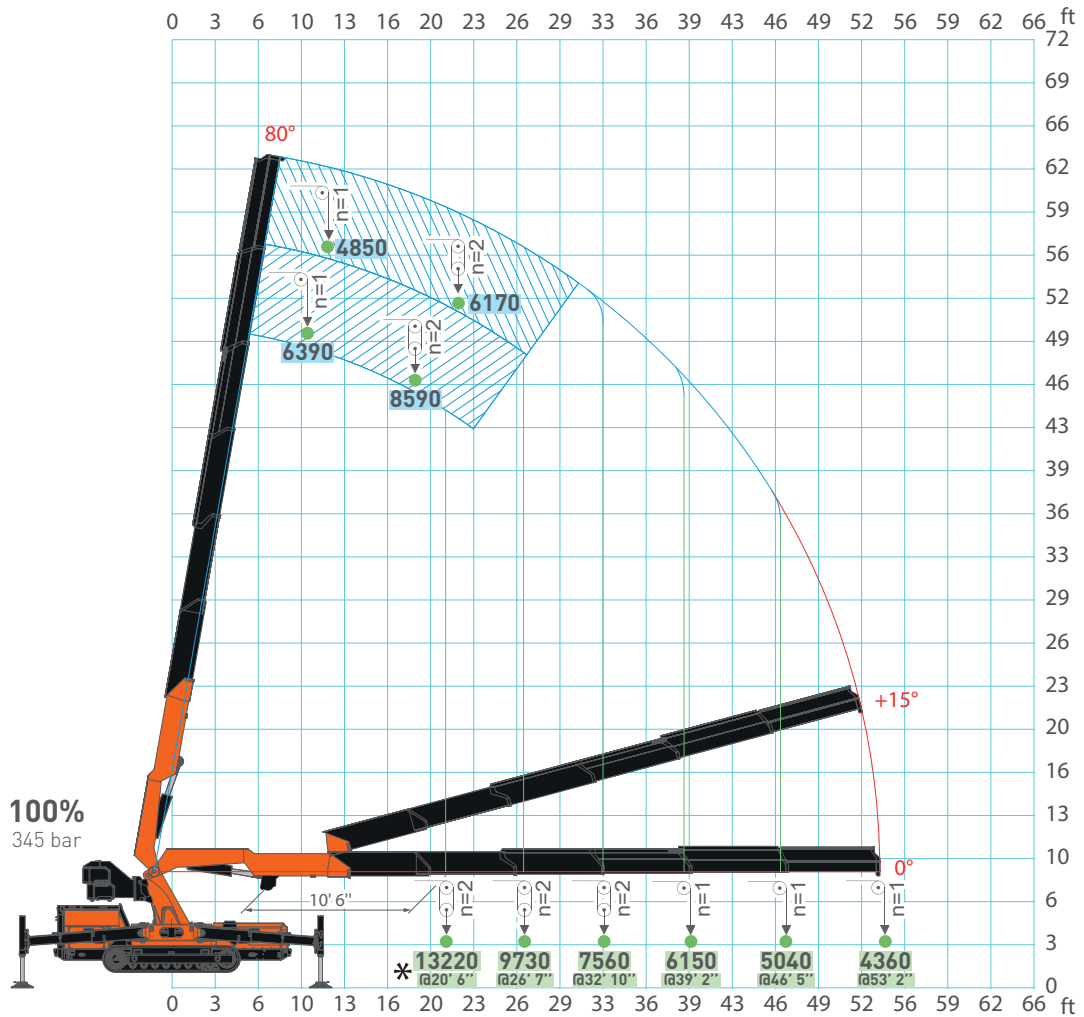


[ft] [lb]

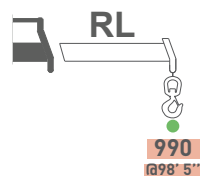
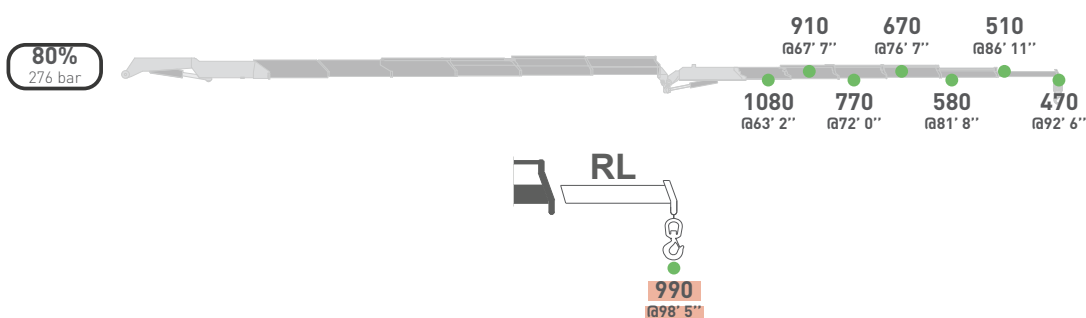
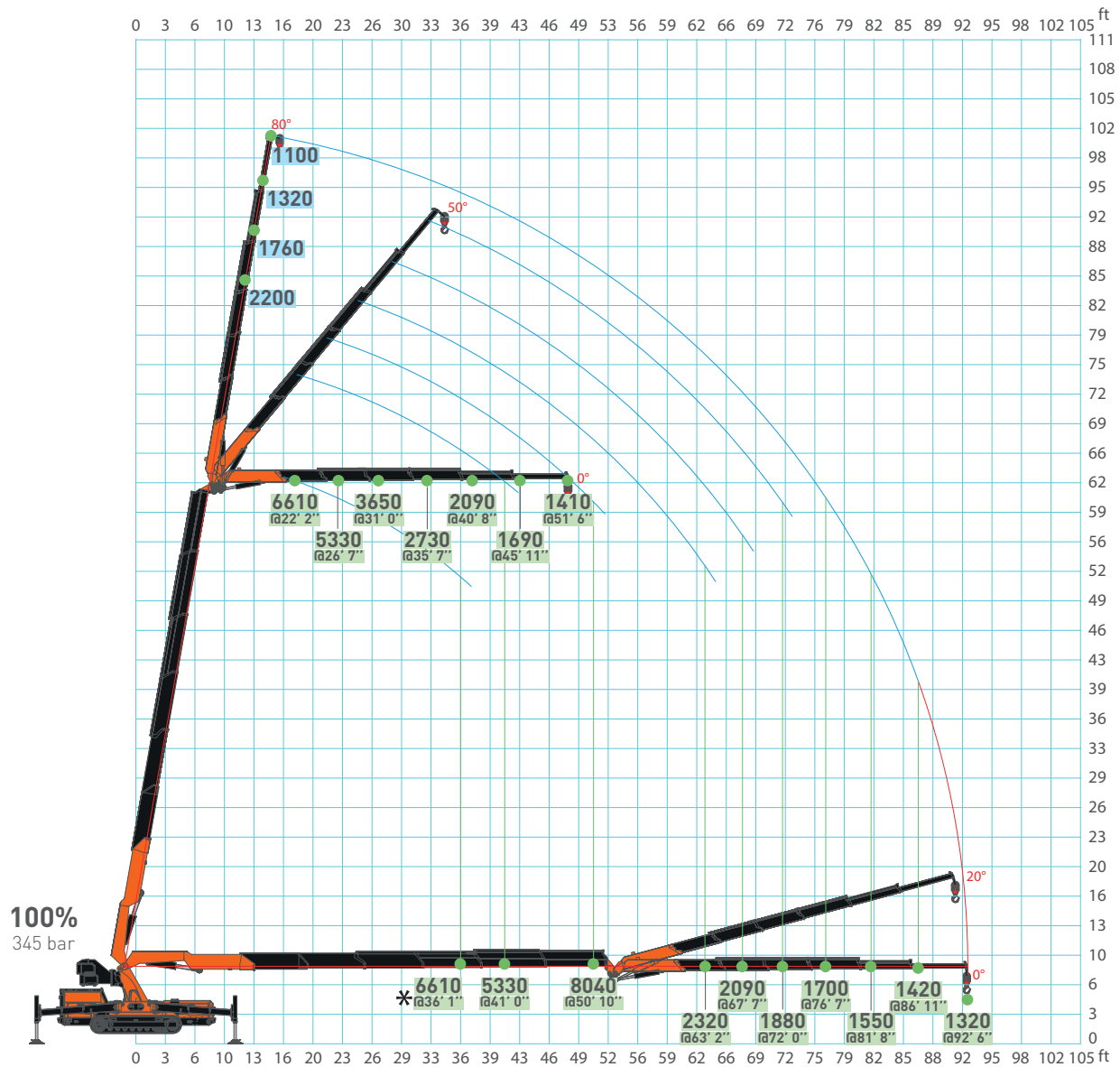
JF545.2 - MAIN BOOM



V30



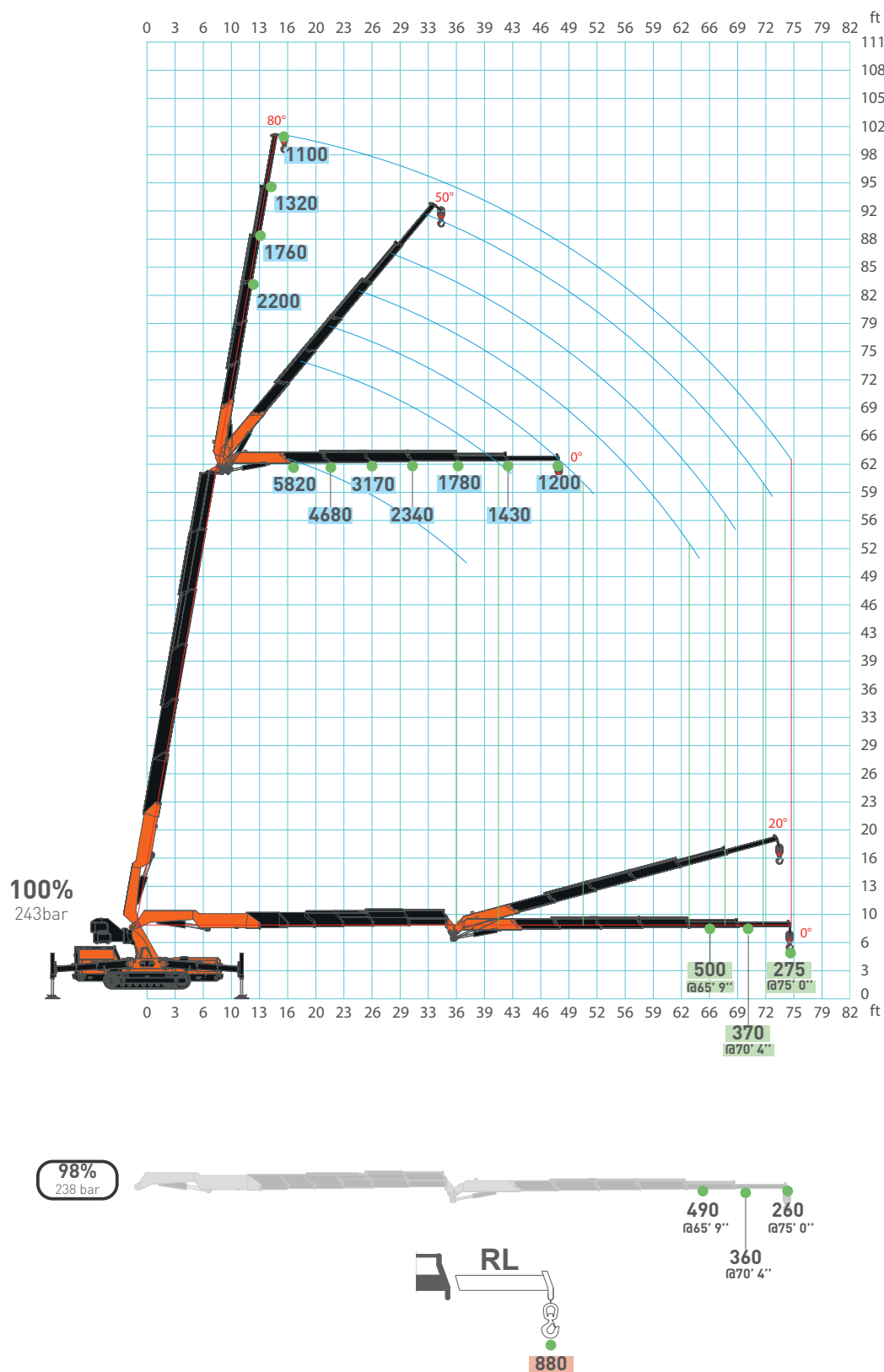
JF545.2 - JIB3000.6HA



The load chart refers to the crane in deflection condition.

[ft] [lb]

JF545.2 - JIB3000.6HA



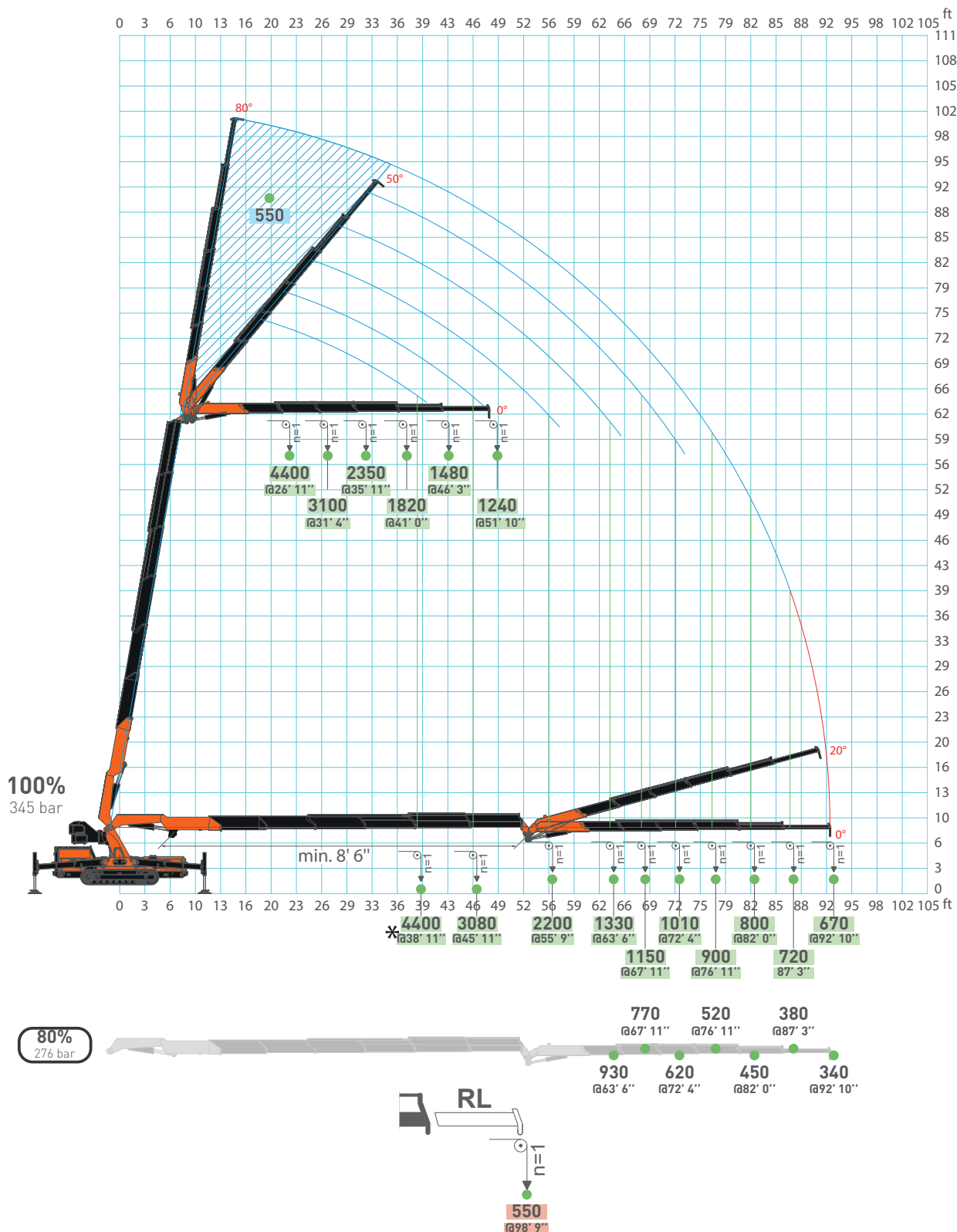
[ft] [lb]

The load chart refers to the crane in deflection condition.

JF545.2 - JIB3000.6HA



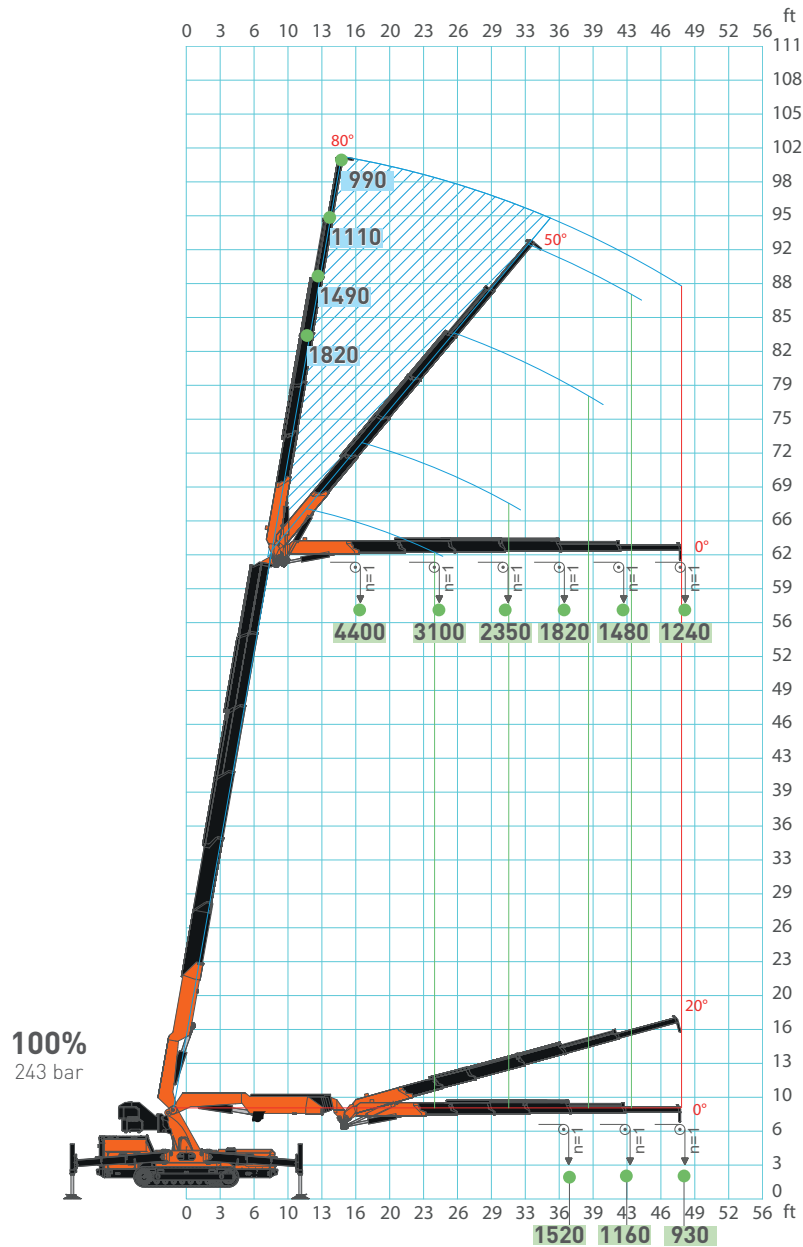
V20



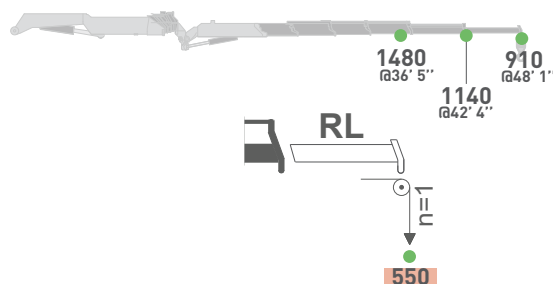
The load chart refers to the crane in deflection condition.

[ft] [lb]

JF545.2 - JIB3000.6HA



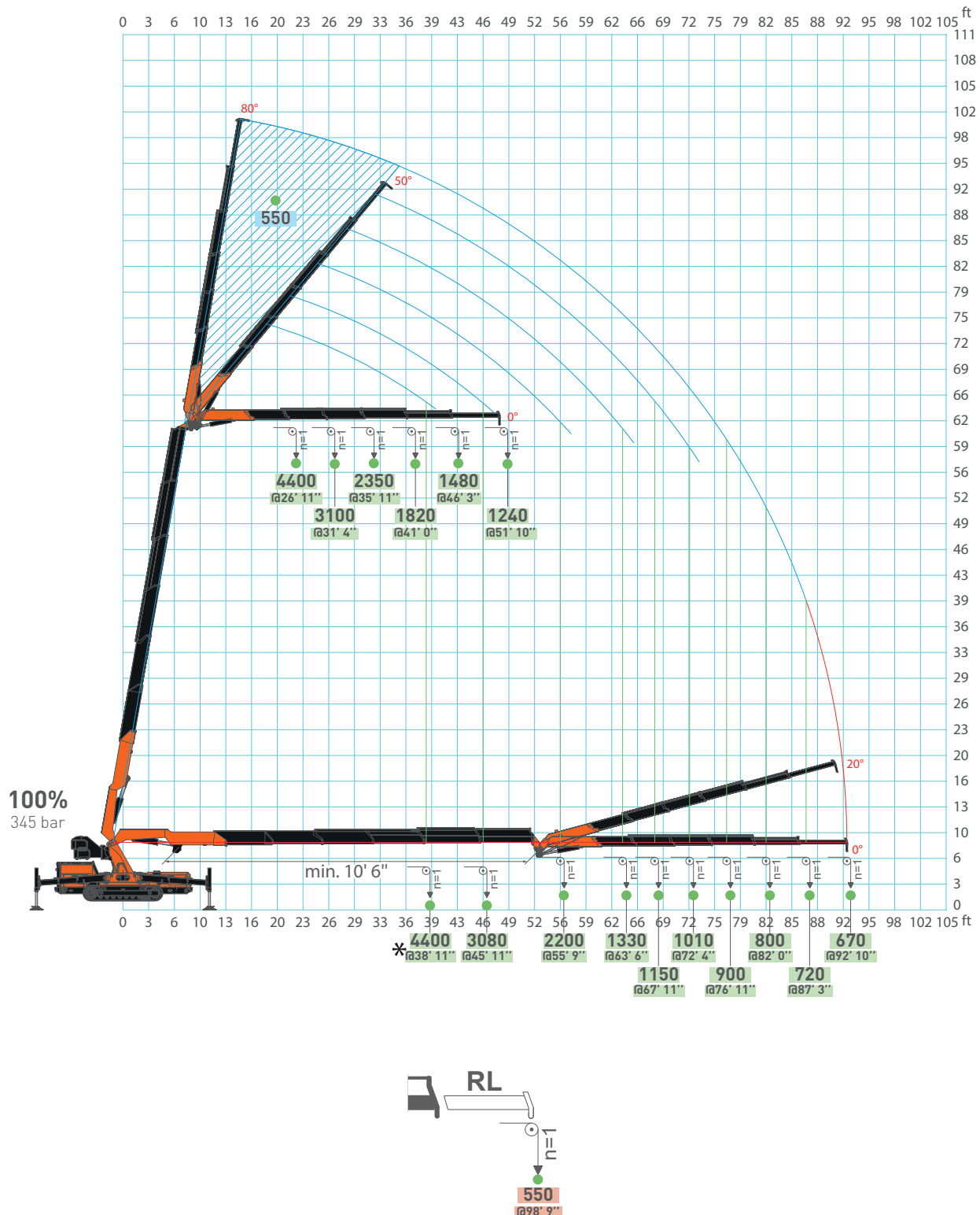
98%
238 bar



[ft] [lb]

The load chart refers to the crane in deflection condition.

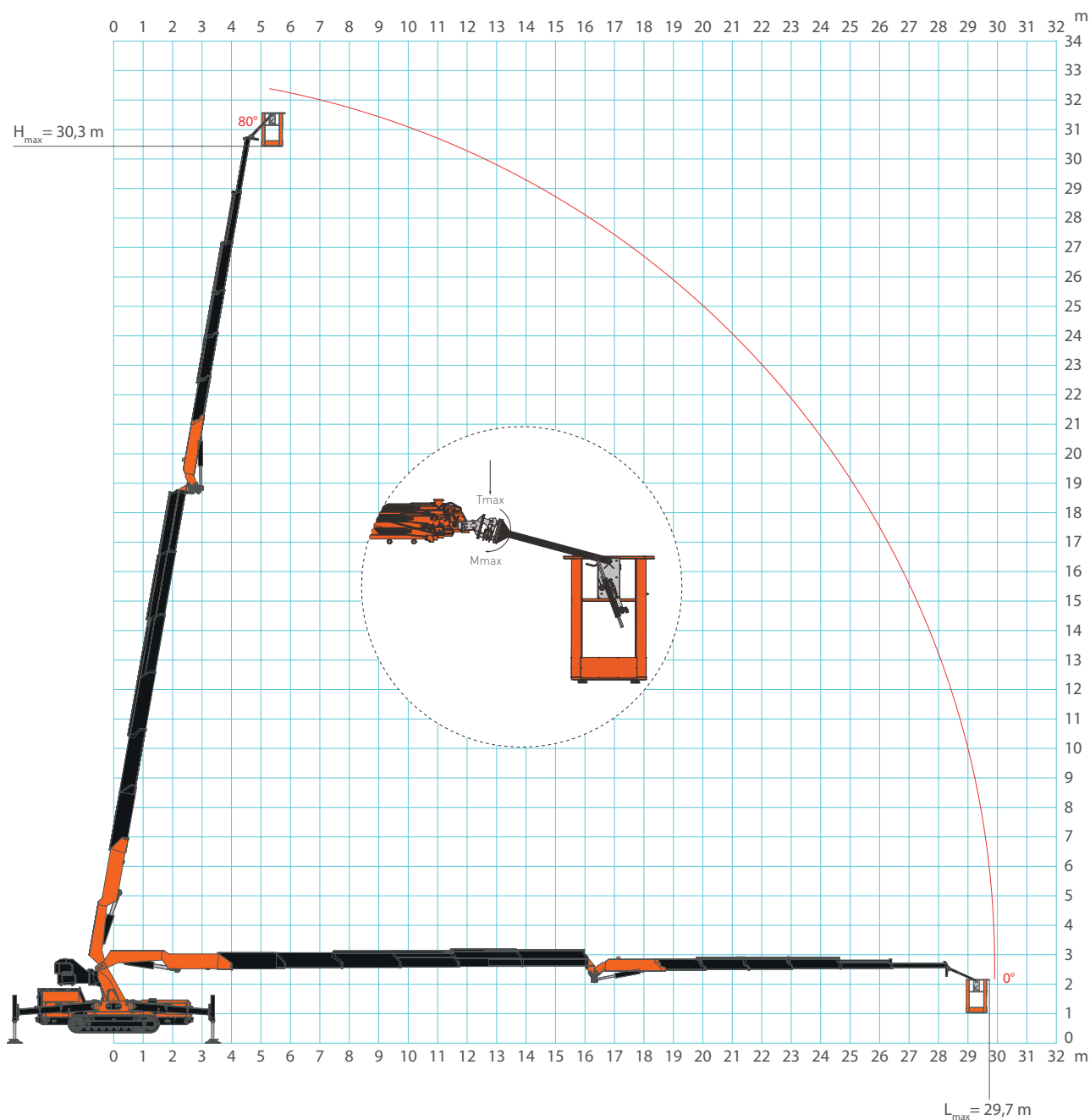
JF545.2 - JIB3000.6HA



The load chart refers to the crane in deflection condition.

[ft] [lb]

ONE-MAN BASKET


V20


PLE	MWP-1PG.JIB3000.6HA	P _{max}	260 lb
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*: The load chart refers to the crane in deflection condition.

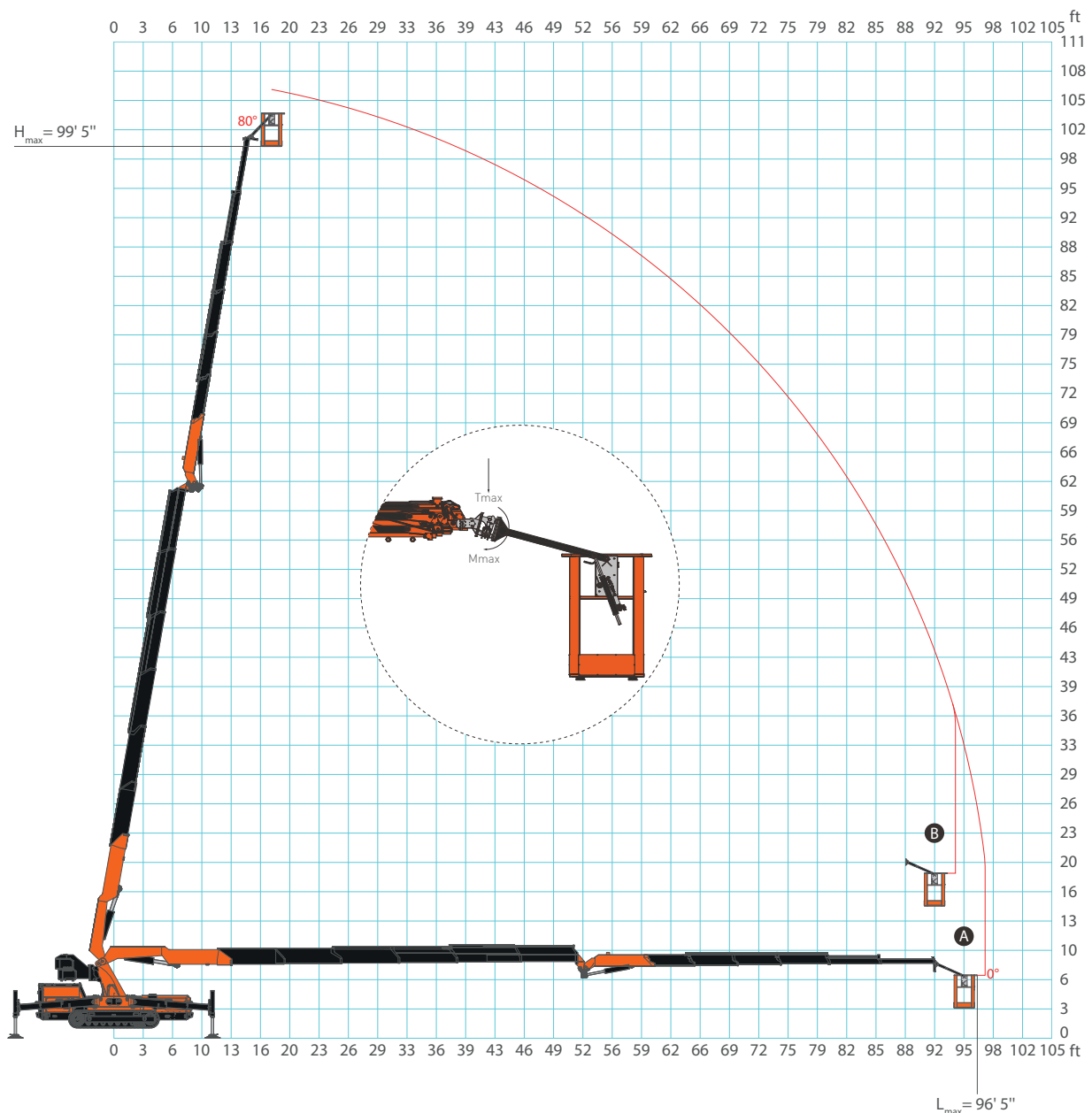
**: The crane is equipped with LMI. The maximum reachable distance may vary by about 1m.

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

TWO-MEN BASKET



V20



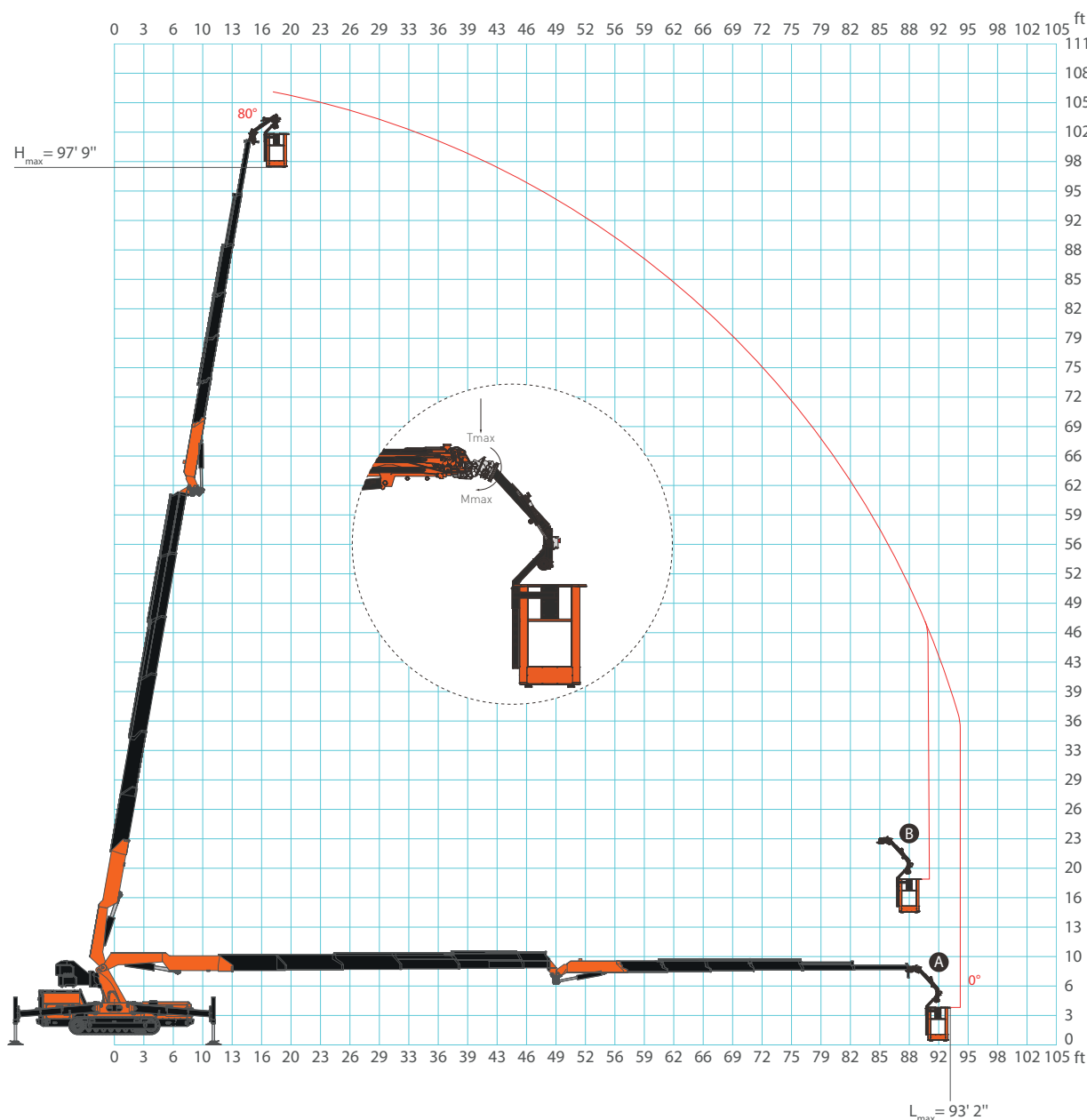
A	PLE	MWP-2PG.JIB3000.6HA	without activation	P _{max}	440 lb
		MWP-2PG-S.JIB3000.6HA			
		MWP-2PG-A.JIB3000.6HA			
B		MWP-2PG.JIB3000.6HA	with activation	P _{max}	440 lb
		MWP-2PG-S.JIB3000.6HA			
		MWP-2PG-A.JIB3000.6HA			

*: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.

TWO-MEN BASKET WITH ROTATION



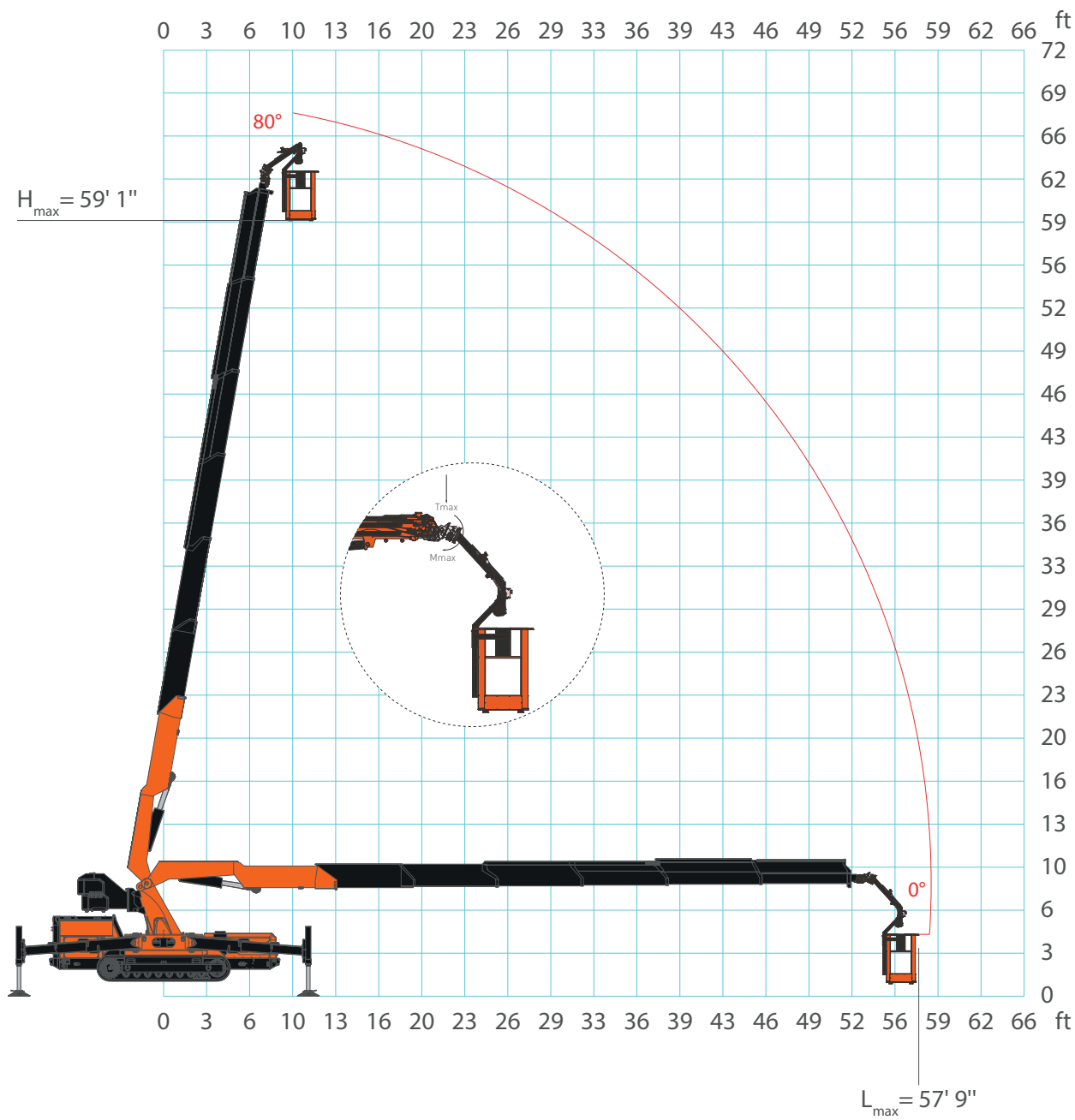
A	PLE	MWP-2PGR.JIB3000.6HA	without activation	P _{max}	440 lb
		MWP-2PGR-S.JIB3000.6HA			
		MWP-2PGR-A.JIB3000.6HA			
B		MWP-2PGR.JIB3000.6HA	with activation	P _{max}	440 lb
		MWP-2PGR-S.JIB3000.6HA			
		MWP-2PGR-A.JIB3000.6HA			

*: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.JF545.2



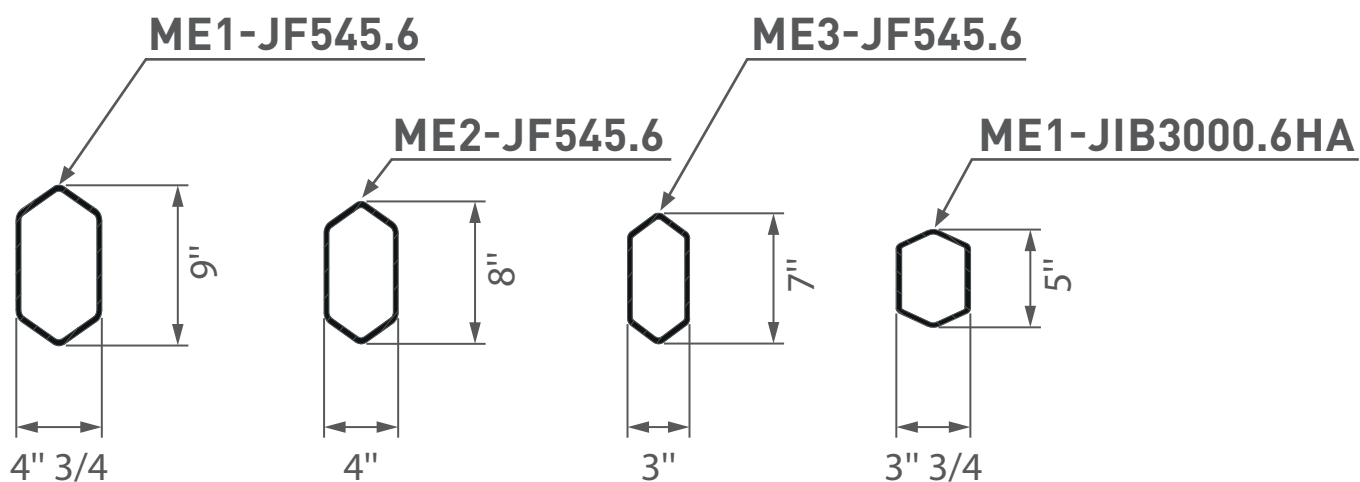
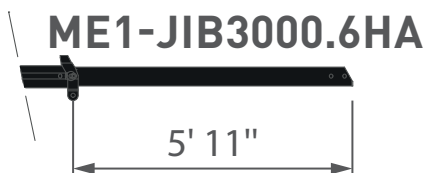
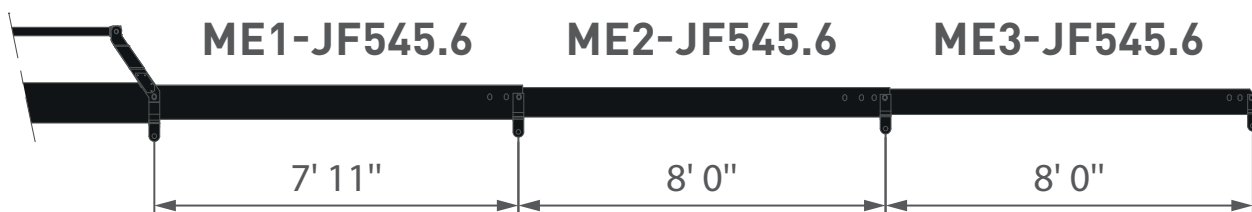
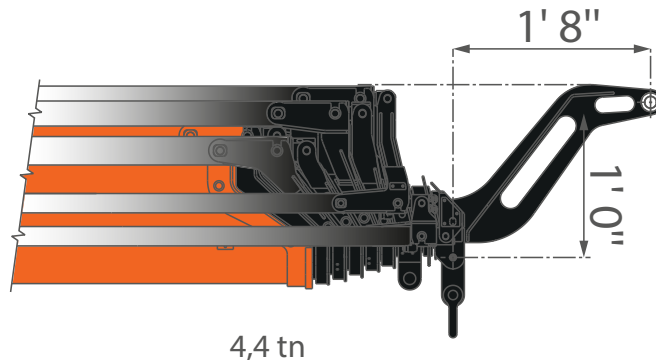
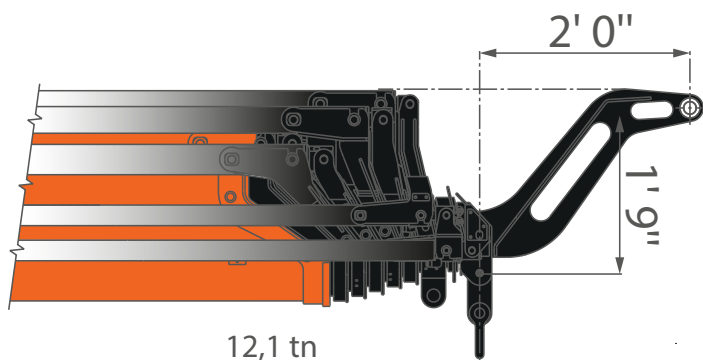
PLE	MWP-2PGR.JF545.2	P _{max}	440 lb
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*:The load chart refers to the crane in deflection condition.
**: The crane is equipped with LMI. The maximum reachable distance may vary by about 3' 3".

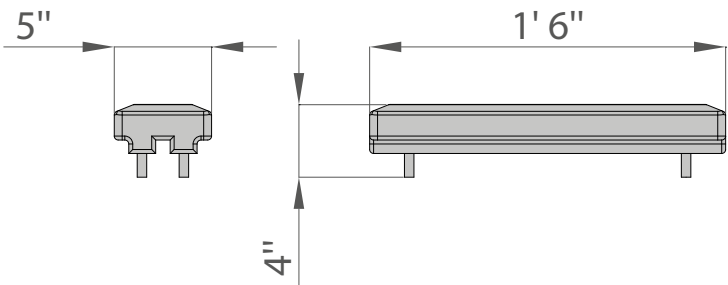
ACCESSORIES FEATURES

MEH-JF545.6

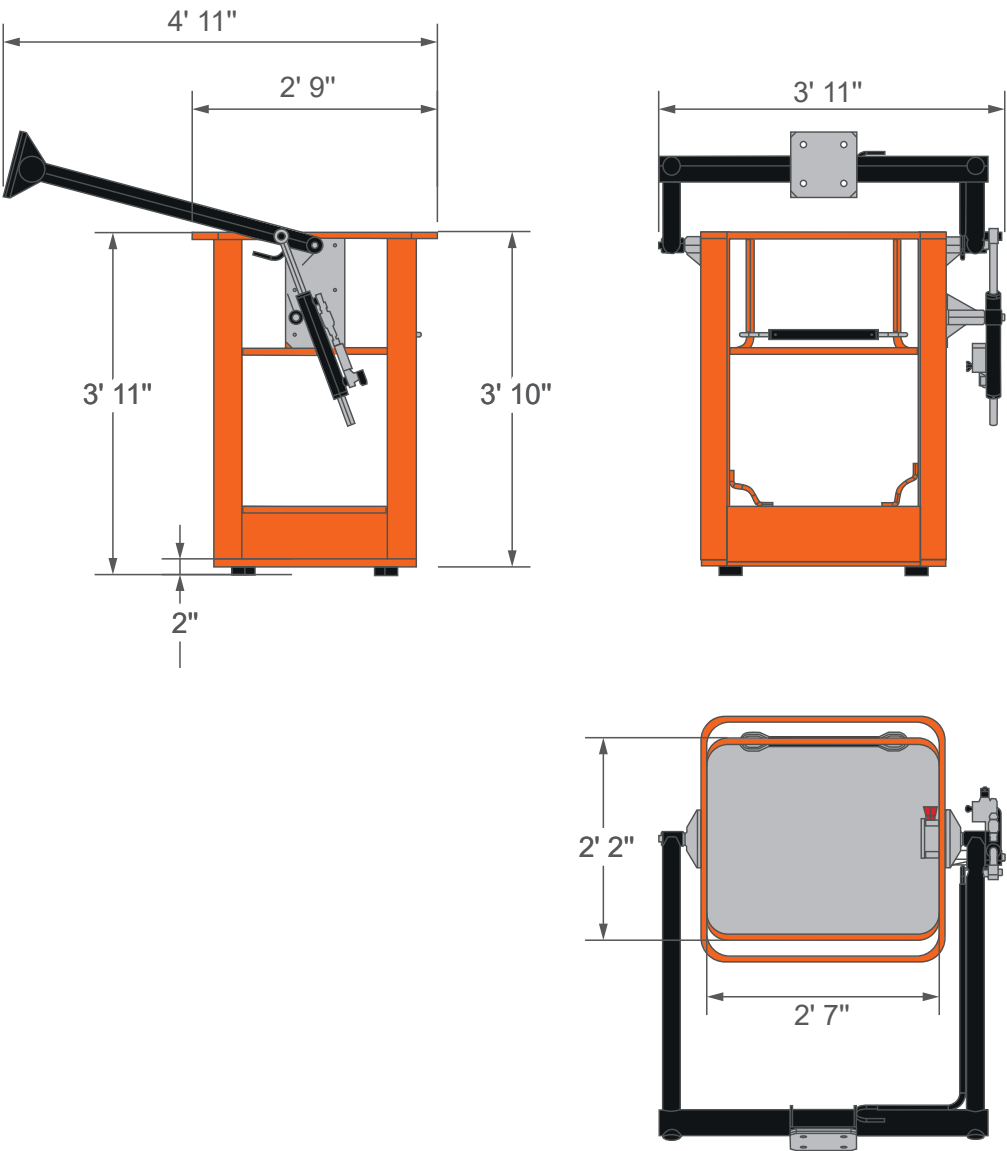
MEH-JIB3000.6HA



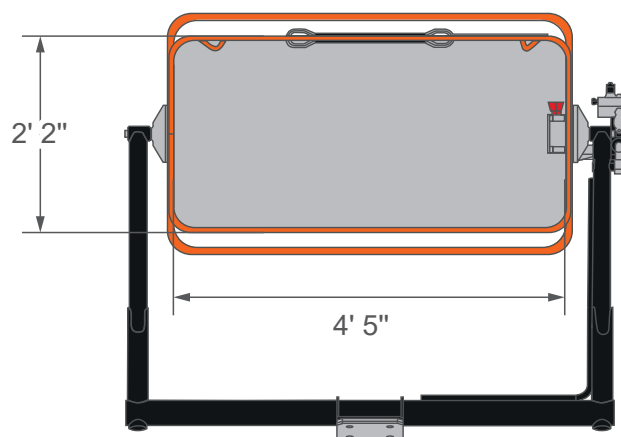
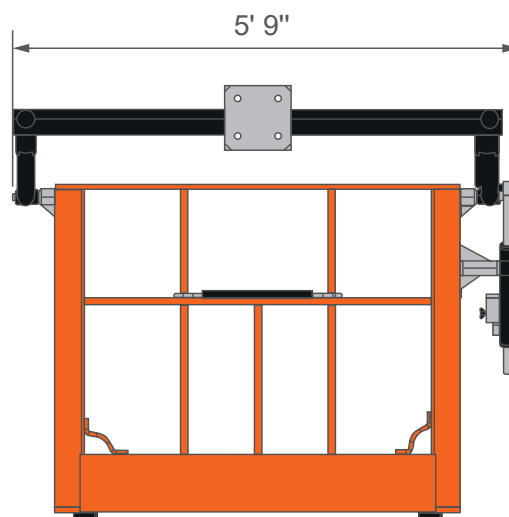
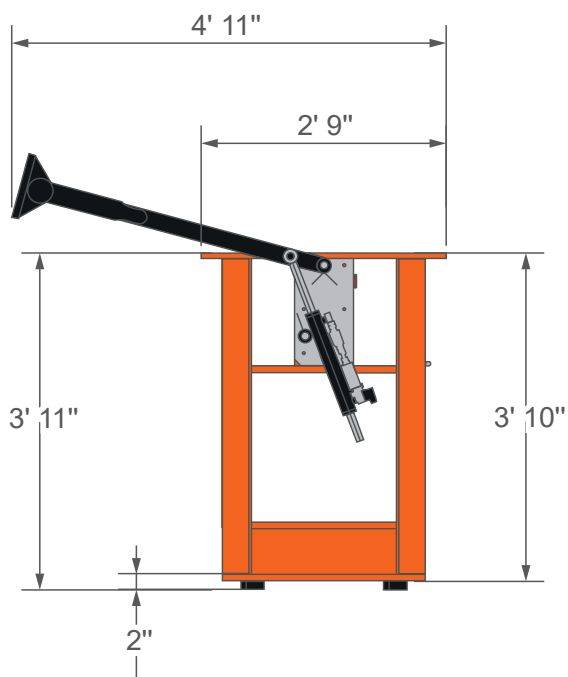
ACCESSORIES FEATURES
WTP-JFM

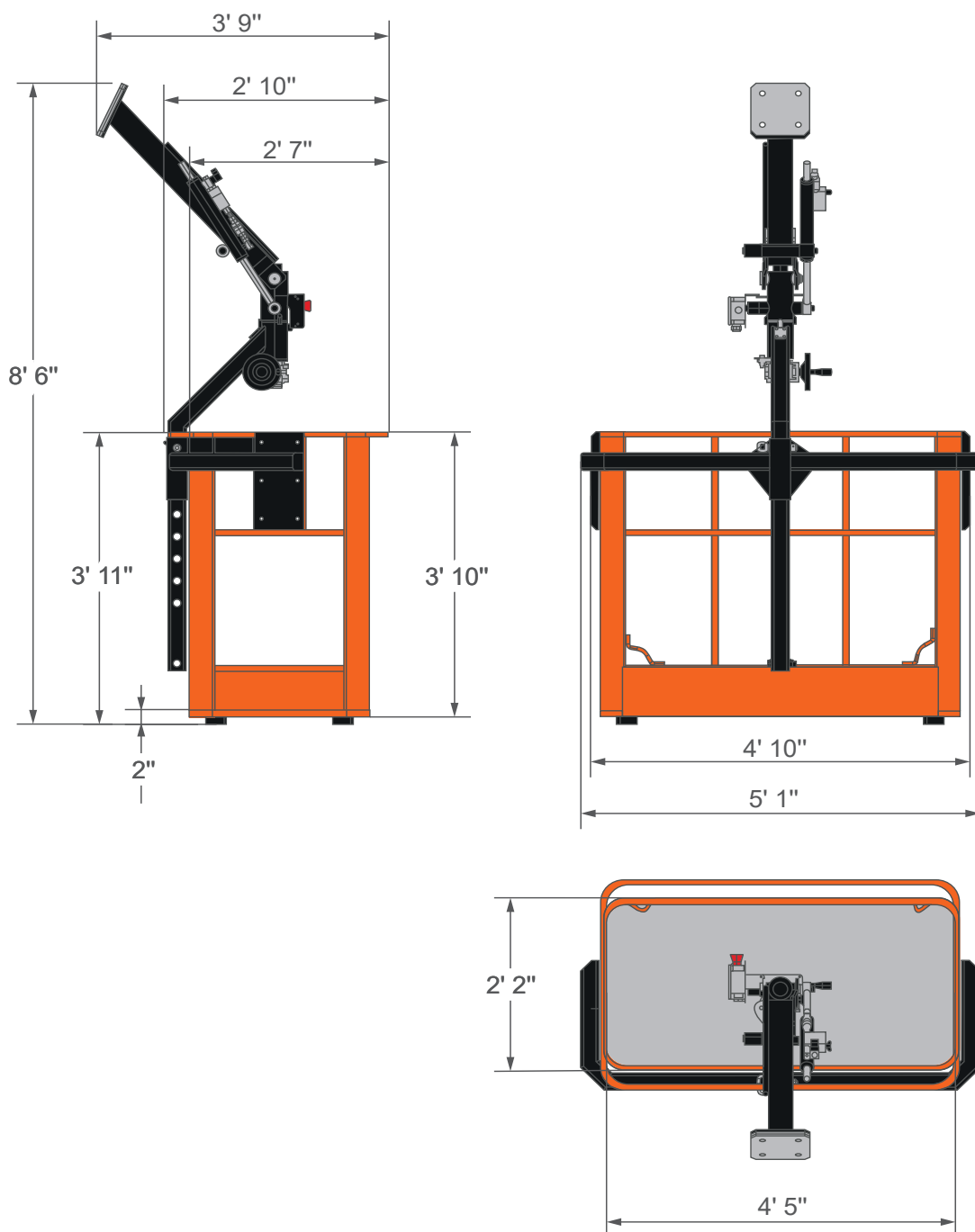


MWP-1PG.JIB3000.6HA

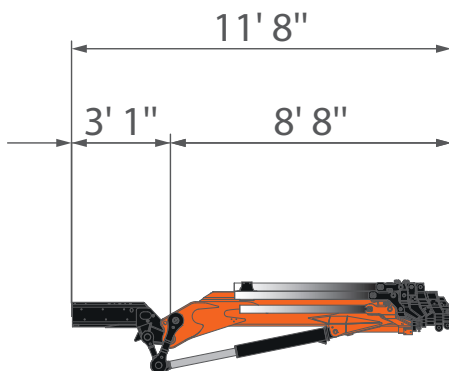


MWP-2PG.JIB3000.6HA
MWP-2PG-S.JIB3000.6HA
MWP-2PG-A.JIB3000.6HA



MWP-2PGR.JIB3000.6HA / MWP-2PGR.JF545.2**MWP-2PGR-S.JIB3000.6HA****MWP-2PGR-A.JIB3000.6HA**

ACCESSORIES FEATURES JIB3000.6HA



SYMBOLS

	Weight		Diesel Engine		Boom Angle		Outriggers mats
	Crane		Power Pack		Boom Length		Hydraulic oil
	Gradeability		Slewing		Jib		Outrigger Load
	Travel Speed		Electric Engine		Hookblock		Working Temperature
	Track Load		Maximum Capacity		Low marking pads		Main Winch
	Person Lifting Equipment		Hook		Counterweight		

-  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 pounds.
- 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.

21.11.2025 | Rev0.2

SERIAL NUMBER:



Jekko s.r.l.

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