



Technical Data

Specification & Capacities

JF235



EN 12999:2020

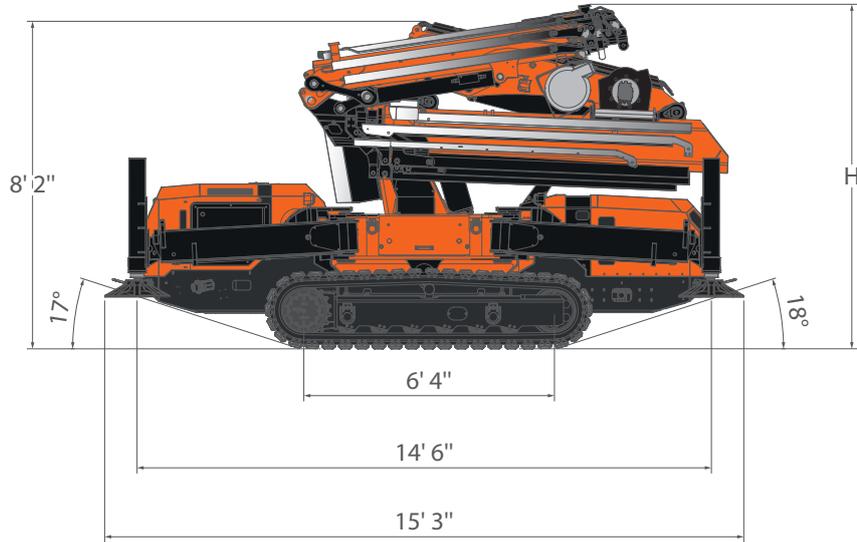
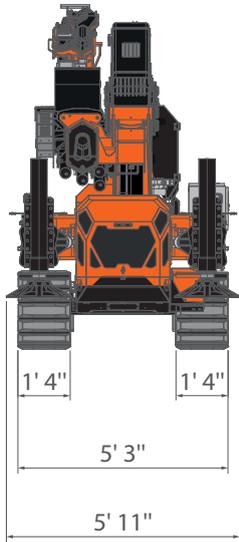
26.06.2025 | Rev1.2

[ft] [lb]

JF235 CDH-3 Overall Dimensions

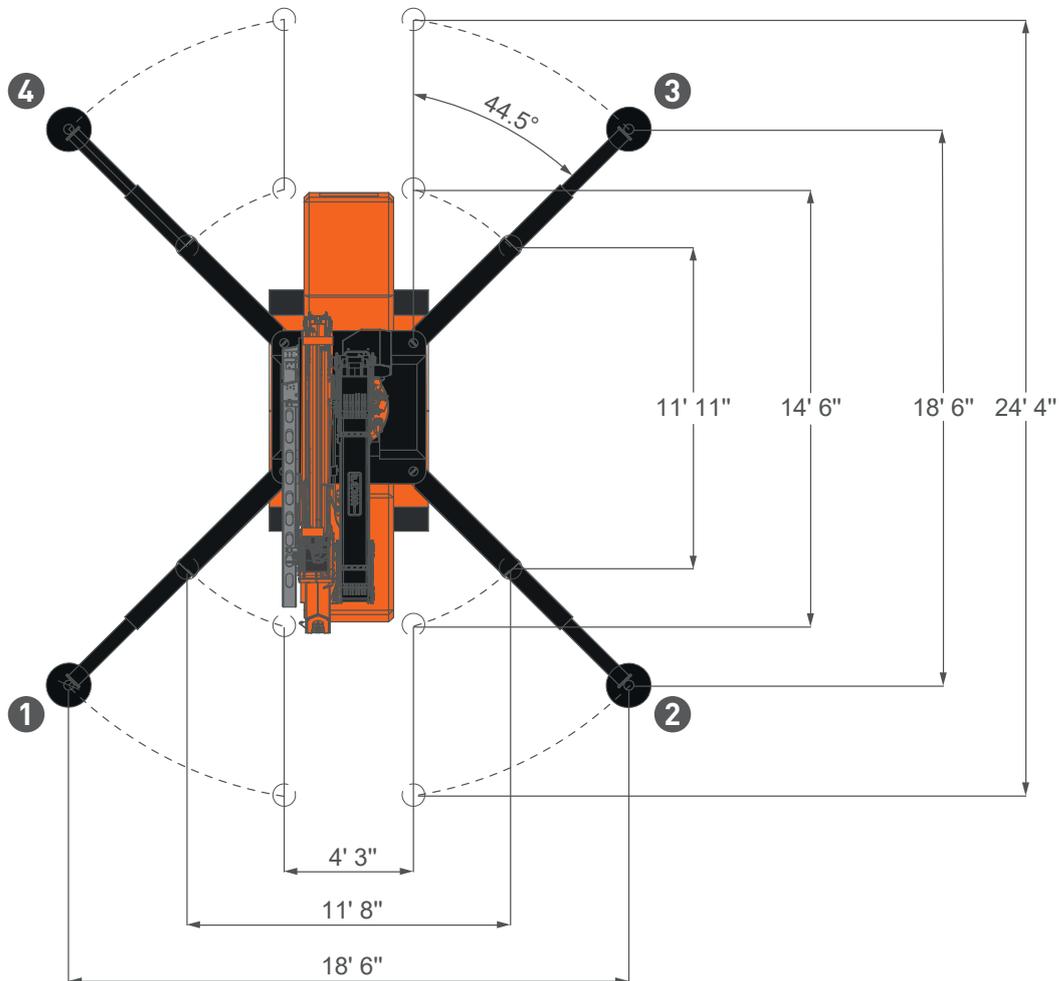
OVERALL DIMENSIONS

(with jib and low marking pads)



H	WITH ACTIVATION	9' 2"
	W/O ACTIVATION	8' 8"

STABILITY AREA



[ft]

OVERALL INFORMATIONS

	NAME		DESCRIPTION	U.M	VALUE
CRANE INFO		OVERALL DIMENSIONS	Height	ft	9' 2"
			Length		16' 1"
			Width		5' 11"
		BOOM	Length	ft	41' 7"
			Speed	s	27
		SLEWING	Angle	°	360°
			Speed	rpm	1.5
		LIFTING	Working Angle	°	82
			Speed	s	Primary: 18 Secondary: 19
			Max Capacity	lb	13,560
			Max Outrigger Bearing Load	lb	22,376 [†]
			Track load	lb/in ²	8.53
		Travel Speed	Slow	mph	0,6
			Fast		1,1
Kickdown			1,4		
		Gradeability	°	15° (27%)	
		Working Temperature	°F	-4°/+104°	
		Sound Emissions	dB	99	

WEIGHT		CRANE	JF235CDH-3	lb	20,878*
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*: Dry weight

†: In maximum stability condition

JF235 CDH-3 Overall Informations

HOOKBLOCKS		HOOKBLOCKS	Single Fall	lb	44
			Double Fall		108
			Jib Single Fall		163

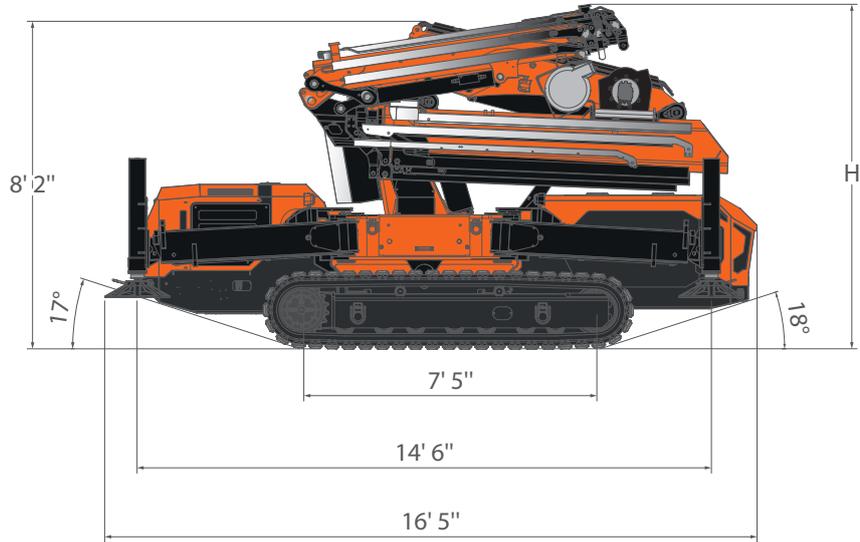
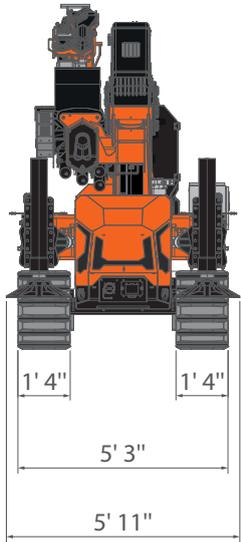
ACCESSORIES		JIB	JIBL214	With activation	lb	1,770
				Without activation		1,455
		MANUAL EXTENSIONS	ME1-JF235.4	lb	187	
			ME2-JF235.4		154	
			ME3-JF235.4		99	
			MEH-JF235.4		77	
			ME1-JIB2500.4HA		46	
			MEH-JIB2500.4HA		33	
		LOW MARKING PADS	WTP-JFM (x76)	lb	420	
		OUTRIGGERS MATS	OM500 (x4)	lb	203	
		POWERPACK	3-Phase Power pack	lb	176	
		PLE	MWP-1PG.JIB2500.4HA	lb	295	
			MWP-2PG.JIB2500.4HA		350	
MWP-2PGR-A.JIB2500.4HA			380			

ENGINE		DIESEL ENGINE	Power	kW	33
				HP	44.9
			Tank capacity	gal	13.7
		ELECTRIC MOTOR	Voltage	V	400
			Power	kW	13.5

HYDRAULIC SYSTEM		Working Pressure		bar	320
		Tank Capacity		gal	31.7
		OIL	Type	Mineral	ISO 6743-4:HV
			Viscosity Grade	VG	46
		DIESEL MAIN PUMP	Type	Variable flow LS Pump	
			Displacement	in ³ /rev	1.7
			Max Oil Flow	gal/min	21
		ELECTRIC MOTOR MAIN PUMP	Type	Variable flow LS Pump	
			Displacement	in ³ /rev	2.7
			Max Oil Flow	gal/min	16

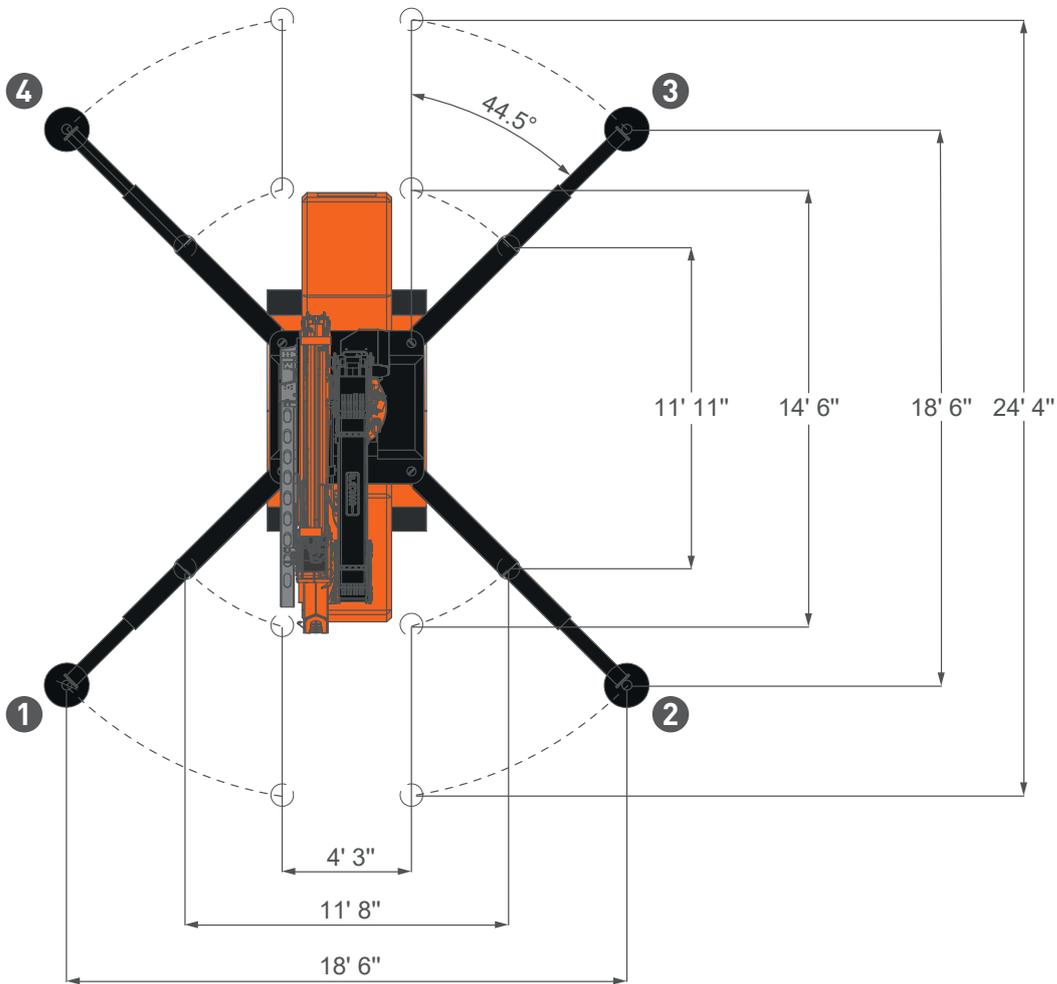
OVERALL DIMENSIONS

(with jib and low marking pads)



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STABILITY AREA



[ft]

OVERALL INFORMATIONS



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			Speed	s	27
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		LIFTING	Working Angle	°	82
			Speed	s	Primary: 18 Secondary: 19
			Max Capacity	lb	13,560
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		Travel Speed	Slow	mph	0,6
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Kickdown			1,4		
		Gradeability	°	15° (27%)	
		Working Temperature	°F	-4°/+104°	
		Emissioni Sonore	dB	99	

WEIGHT		CRANE	JF235CDH-3	lb	21,560
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[†]: In maximum stability condition

WEIGHTS		HOOK BLOCK	Single Fall	lb	44
			Double Fall		108
			Jib Single Fall		163

ACCESSORIES		JIB	JIBL214	With activation	lb	1,770
				Without activation		1,455
		MANUAL EXTENSIONS	ME1-JF235.4	lb	187	
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		LOW MARKING PADS	WTP-JFM (x76)	lb	420	
		OUTRIGGERS MATS	OM500 (x4)	lb	203	
		PLE	MWP-1PG.JIB2500.4HA	lb	295	
			MWP-2PG.JIB2500.4HA		350	
			MWP-2PGR-A.JIB2500.4HA		380	



MOTOR		ELECTRICAL MOTOR	Power Supply	Lithium Battery	
			Battery Voltage	V	48
			Battery Capacity	Ah	1,312
			Motor Power	kW	12

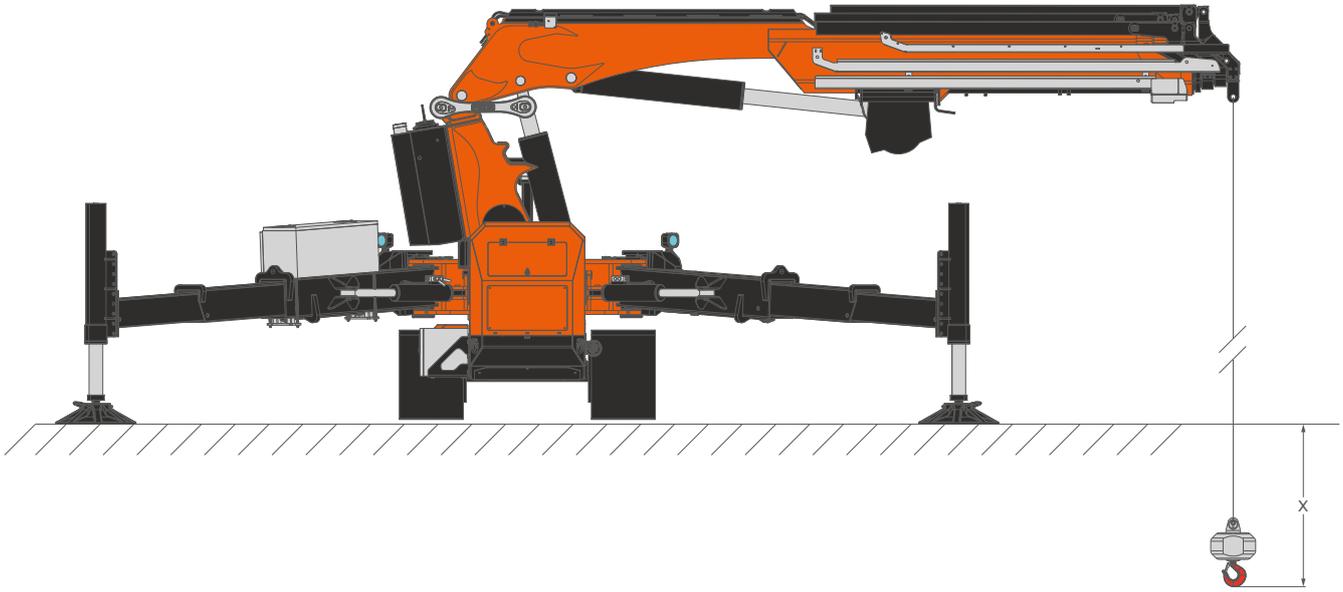
HYDRAULIC SYSTEM		Working Pressure		bar	320
		Tank Capacity		gal	31.7
		OIL	Type	Mineral	ISO 6743-4:HV
			Viscosity Grade	VG	46
		MAIN PUMP	Type	Variable flow LS Pump	
			Displacement	in ³ /rev	1.7
			Max Oil Flow	gal/min	21

WINCH PERFORMANCE

WINCH	Layer		Max pull line	Standard rope speed
			daN	ft/min
	1		2.000	129
4		1.556	165	
ROPE	Wire rope	Max load	Ø	Total length
		daN	in	ft
	19x7 right lang lay Non rotating	9.330	10	131'

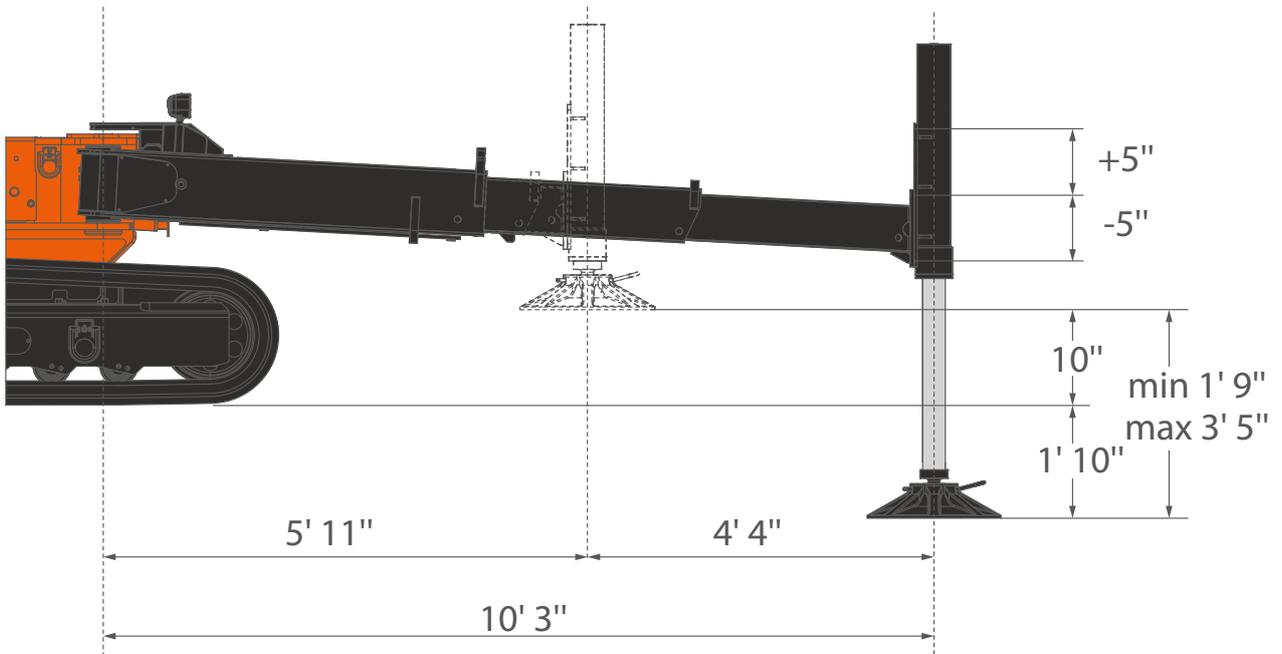
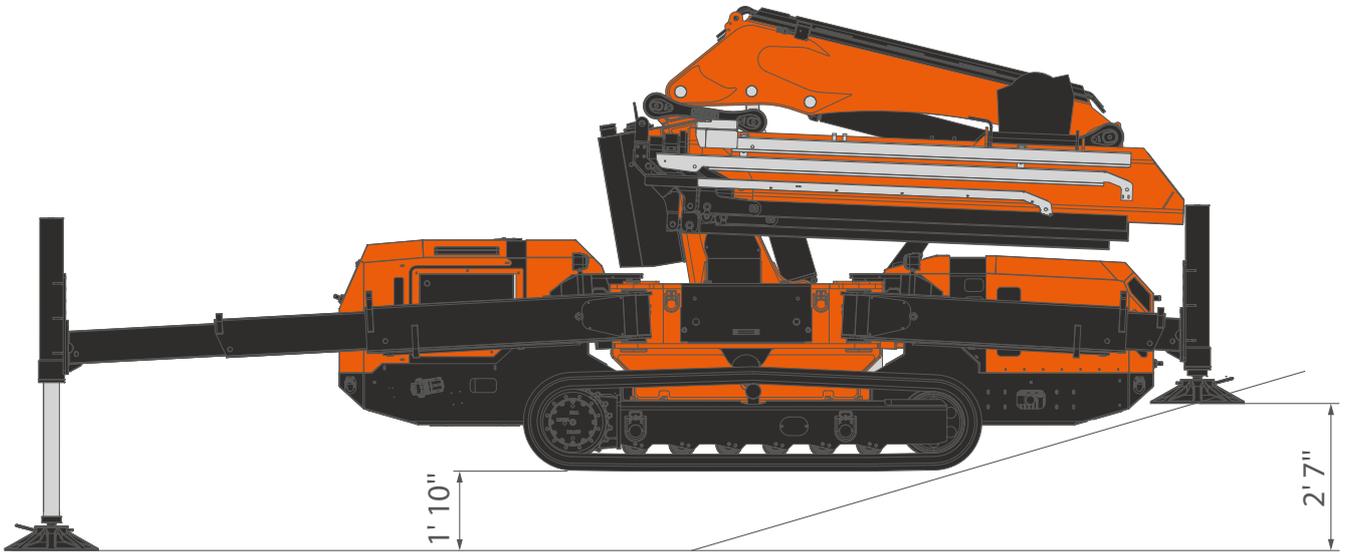
HOOK BLOCK	Block type	Load	N° of	
			Sheaves	Lines
			lb	
	Double fall block	6,614	1	2
	Single fall block	3,307	-	1

WINCH ROPE MAX REACH

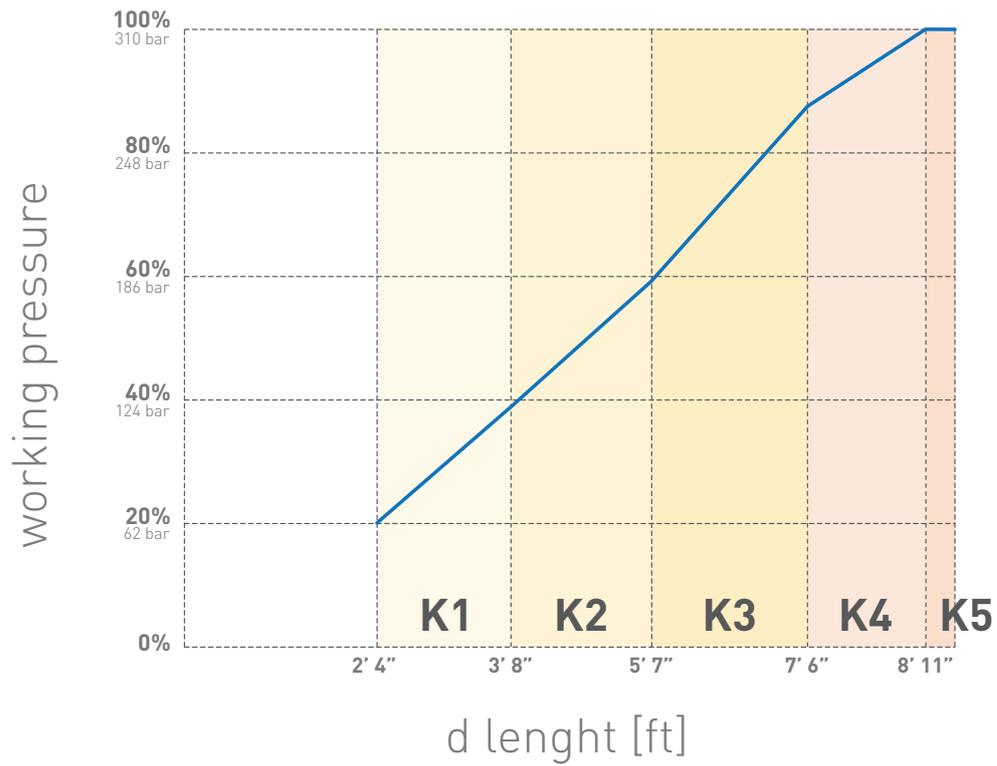
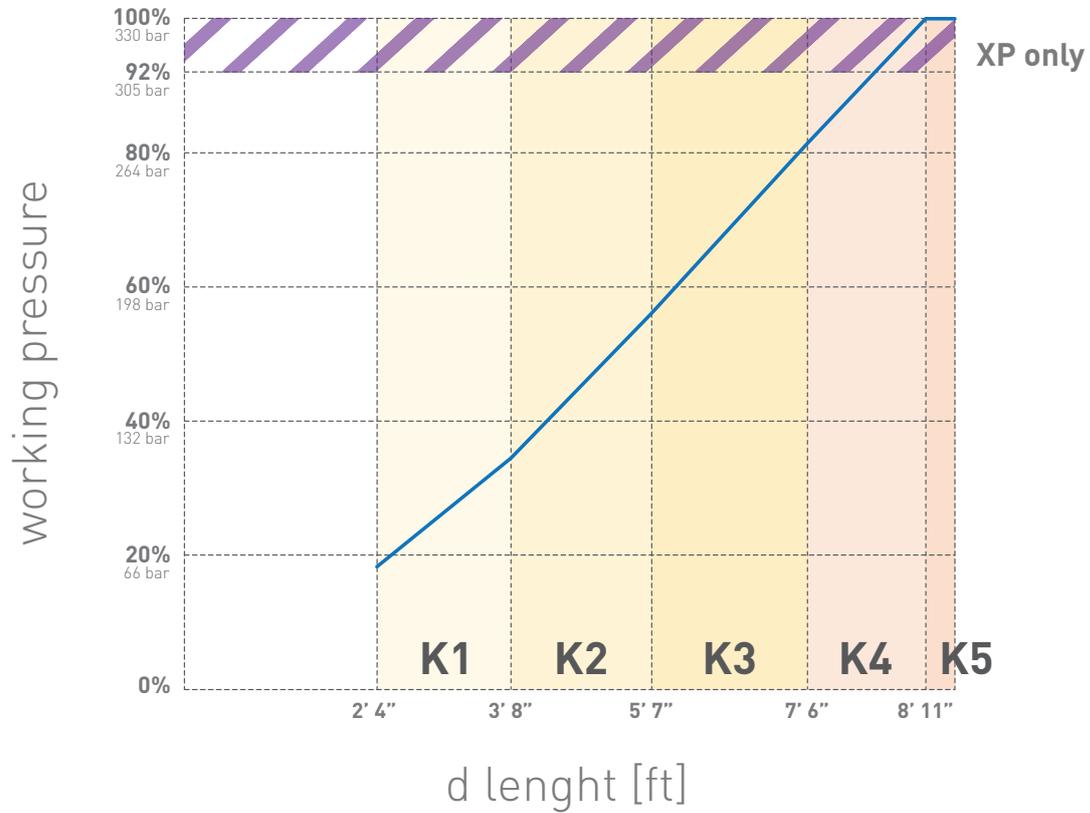


ROPE		W1500-JFS	Main Boom	Parts of Line	1	ft	173' 11"
					2		82' 0"
			Jib		1		164' 1"

STABILITATION ADJUSTMENT

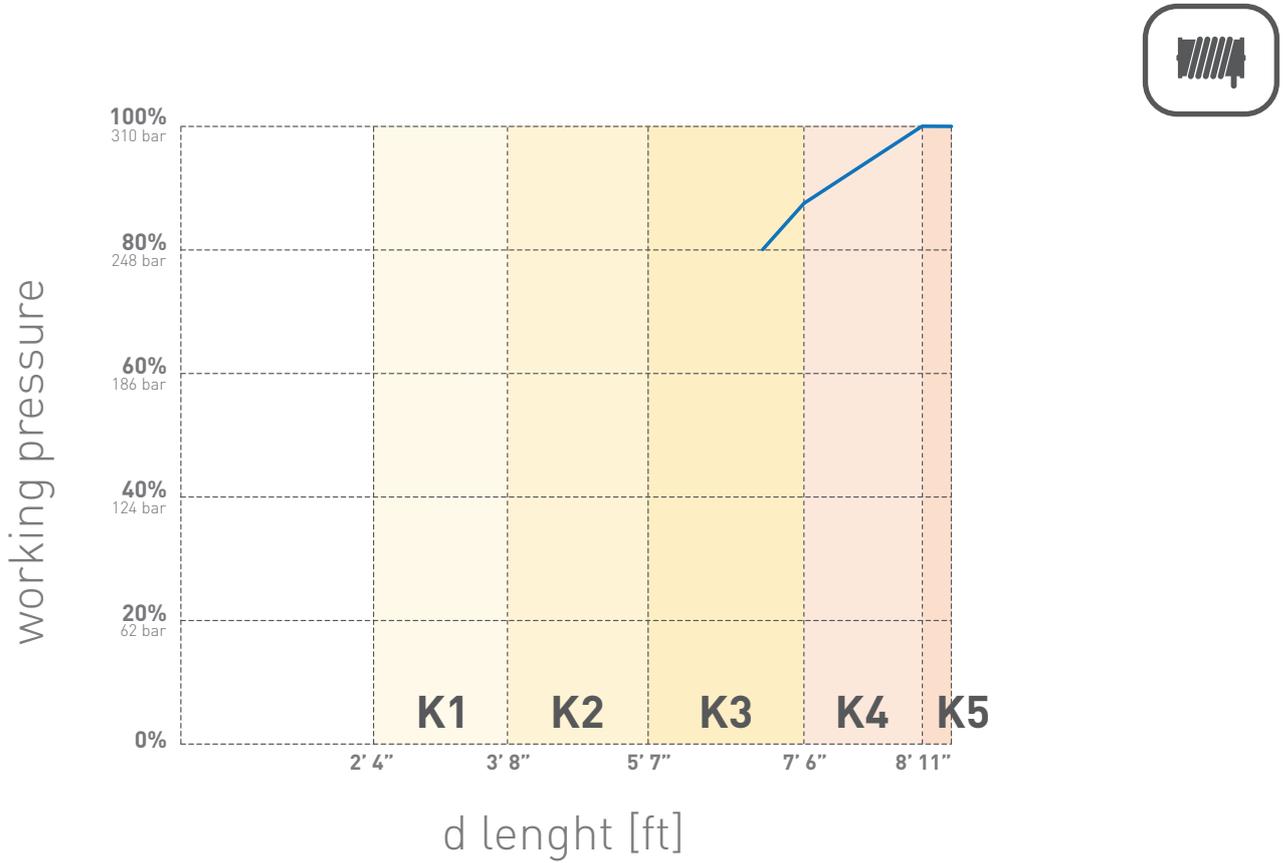
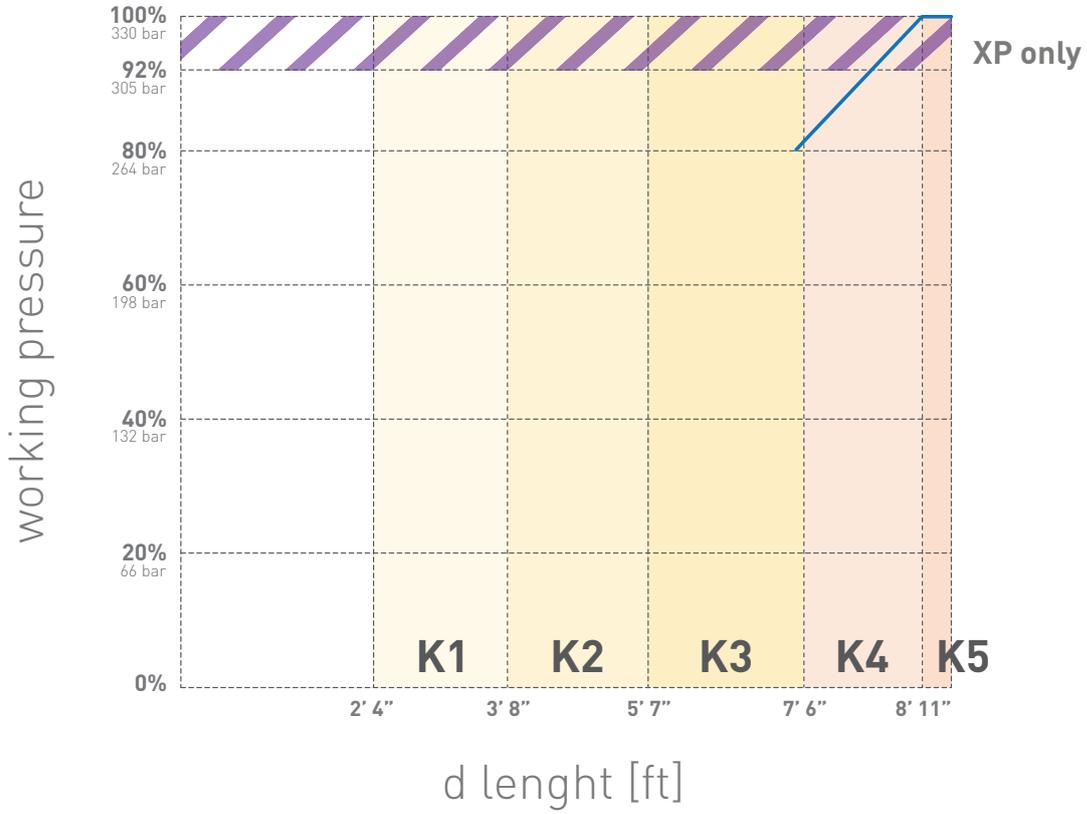


MAIN BOOM

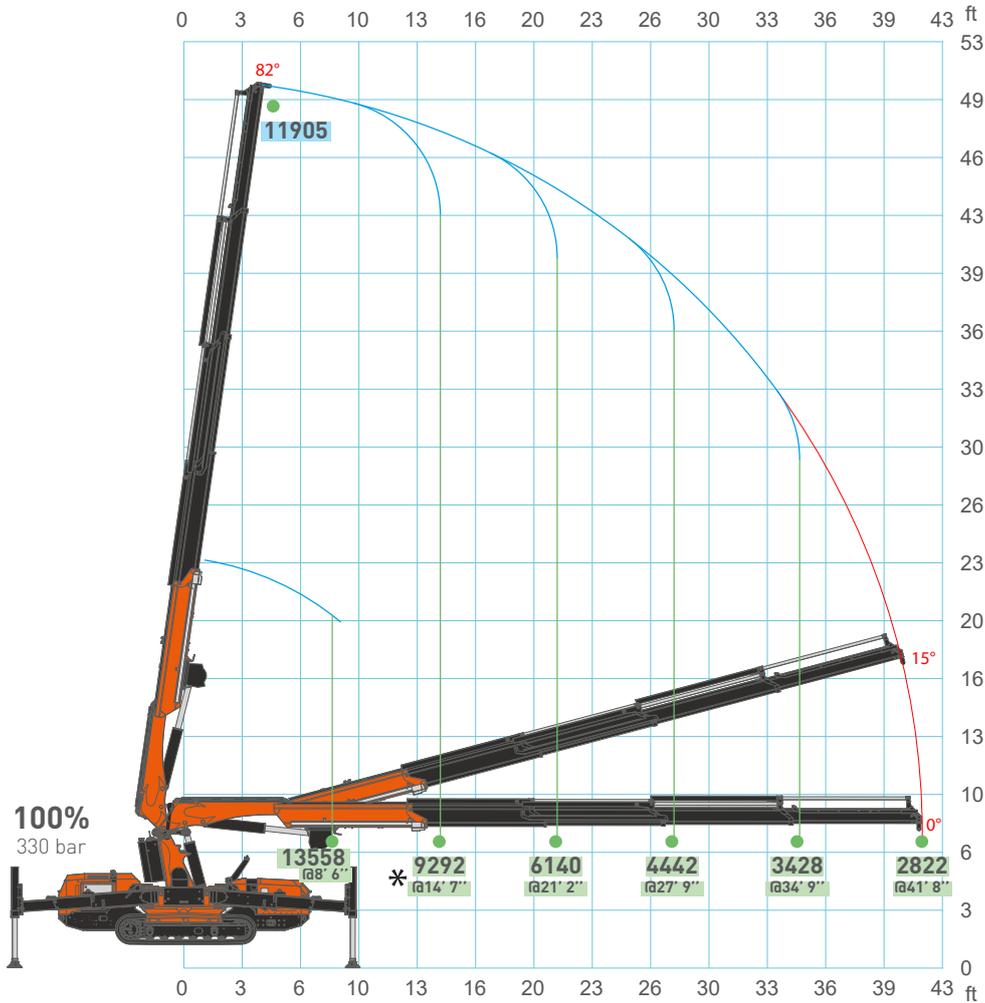


JF235 Jib working pressure charts

JIB



MAIN BOOM



80%
264 bar



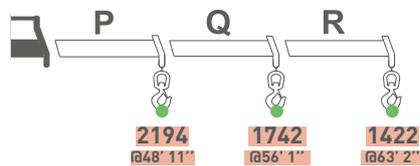
60%
198 bar



40%
132 bar

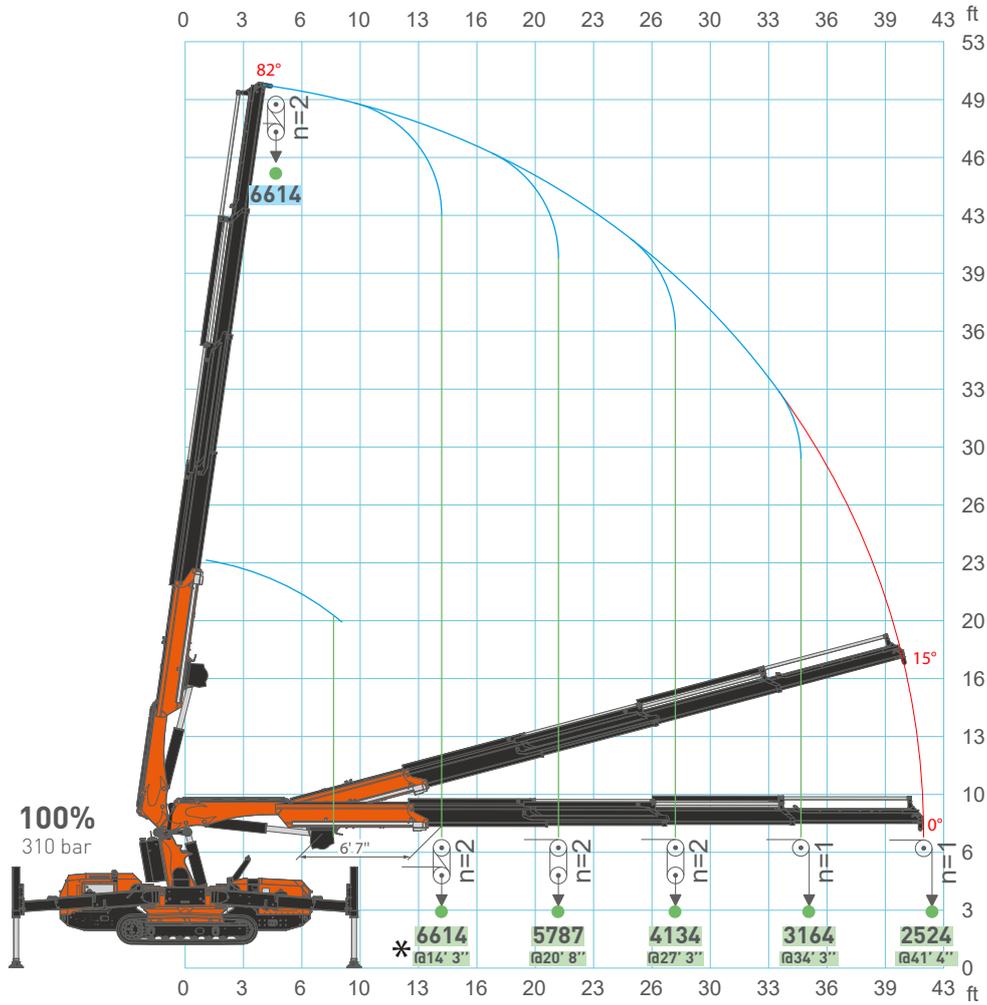


20%
66 bar



[ft] [lb]

MAIN BOOM



80%
248 bar



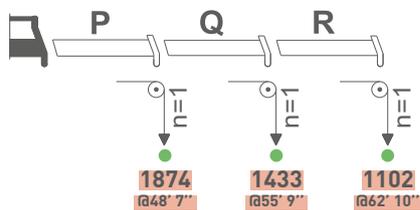
60%
186 bar



40%
124 bar

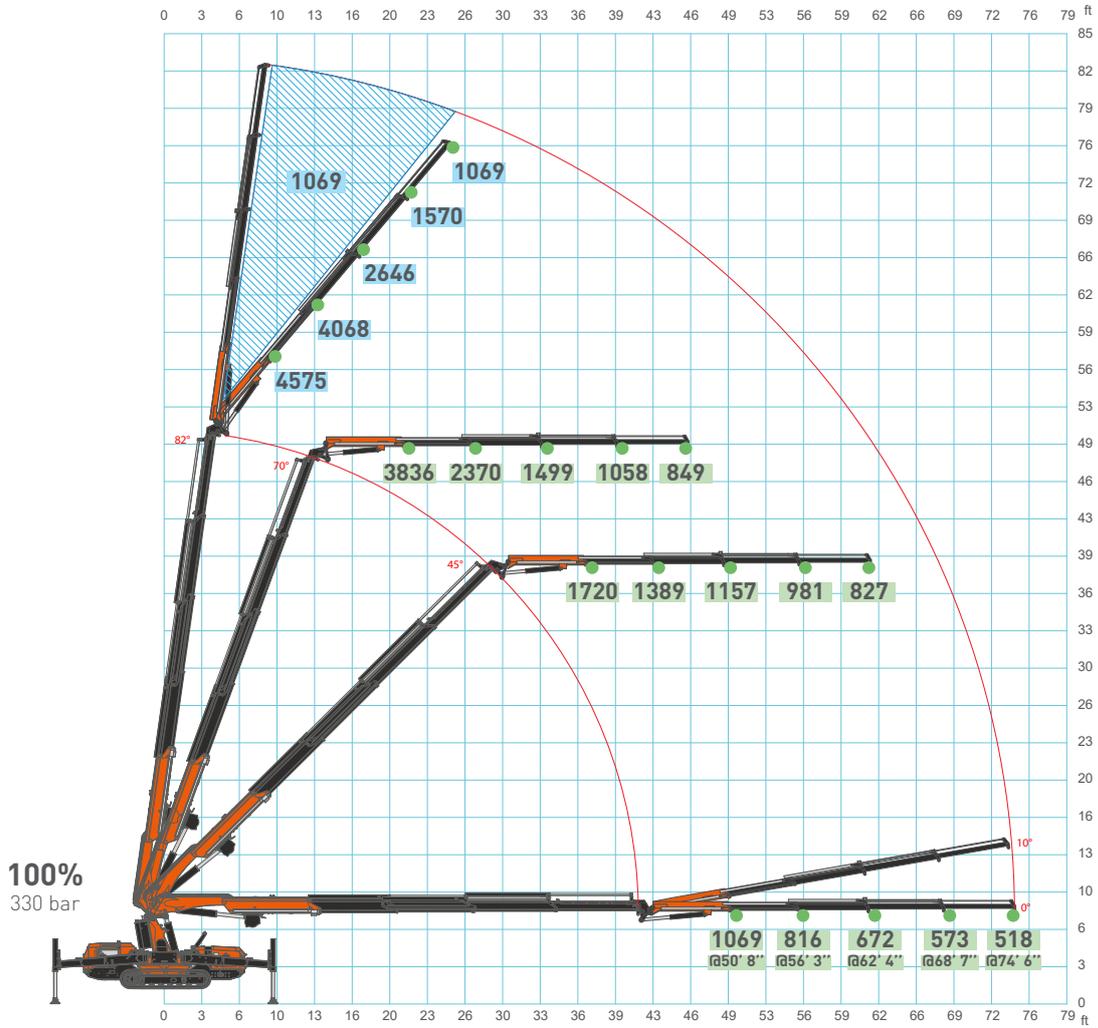


20%
62 bar

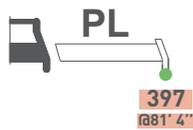


[ft] [lb]

JIB

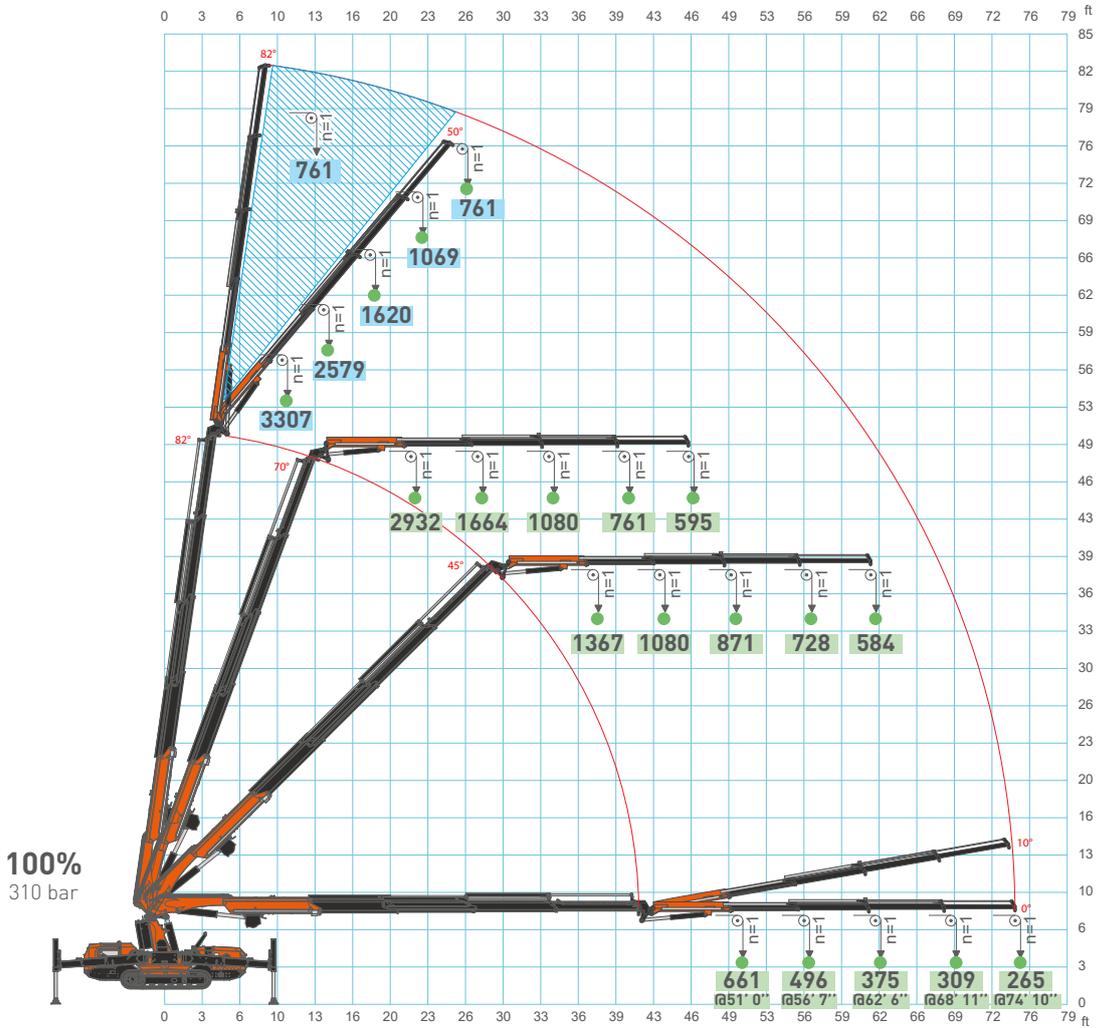


80%
264 bar

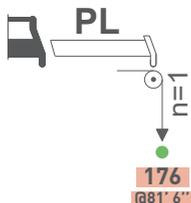


[ft] [lb]

JIB



80%
248 bar

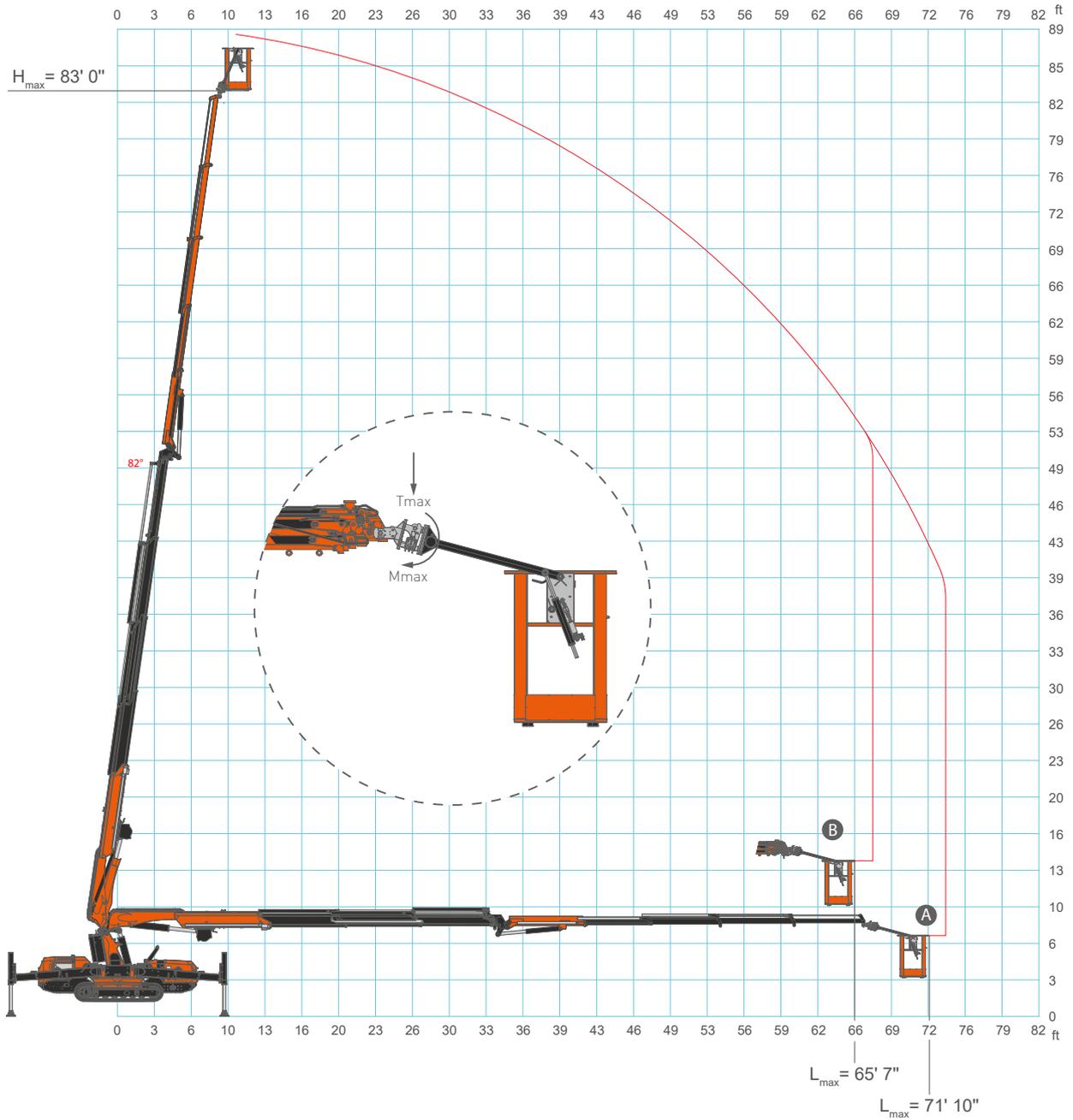


[ft] [lb]

PLE



V15



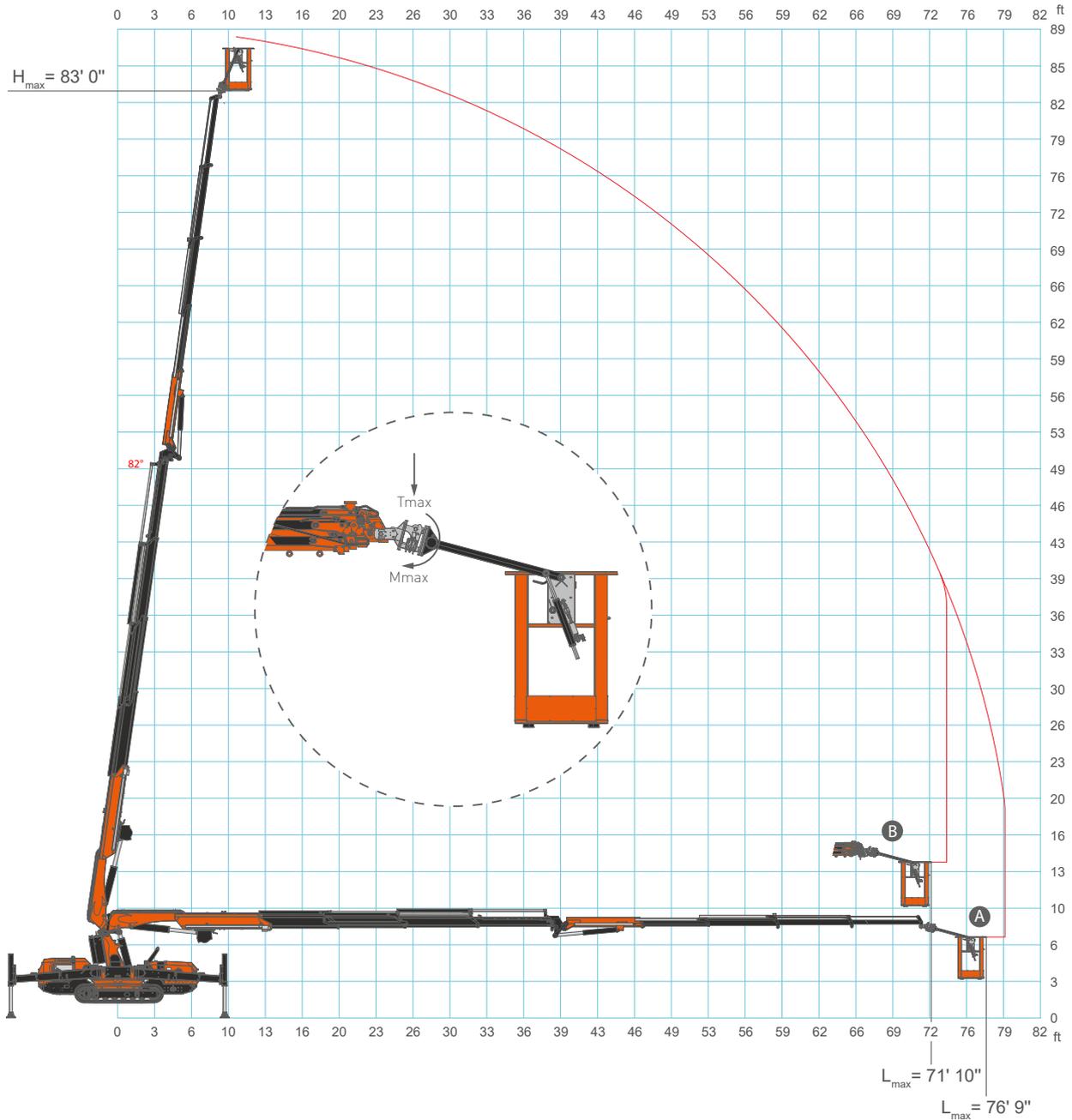
<div style="text-align: center;"> A B </div>	PLE	MWP-1PG.JIB2500.4HA	P_{max}	265 lb
		MWP-2PG.JIB2500.4HA	P_{max}	441 lb

*: 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.

JF235 Iron working platform chart

PLE



A	PLE	MWP-1PG.JIB2500.4HA	P_{max}	265 lb
B		MWP-2PG.JIB2500.4HA	P_{max}	441 lb

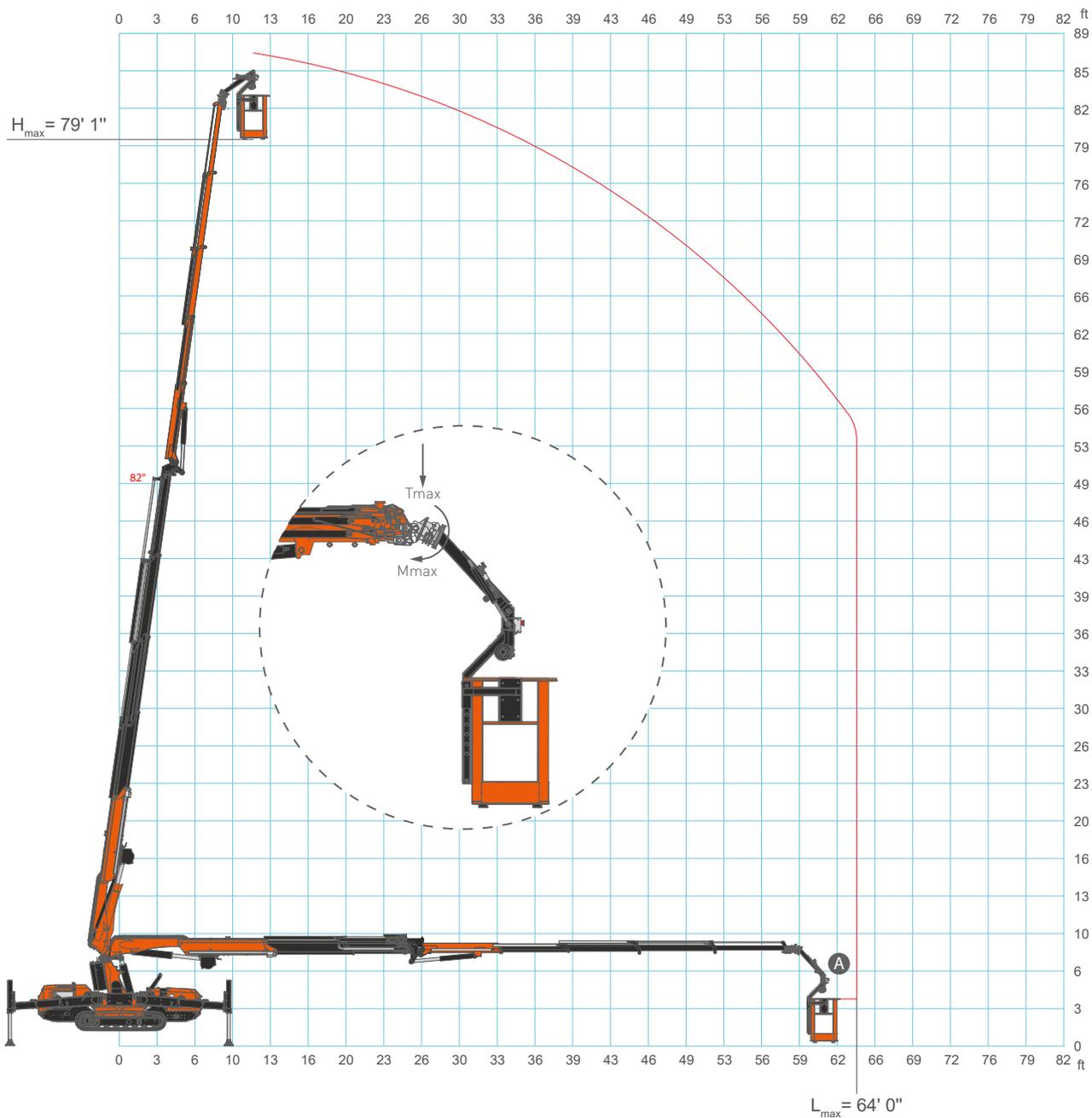
*: The crane is equipped with LMI. The maximum reachable distance may vary by about 3' 3".

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

PLE



V15



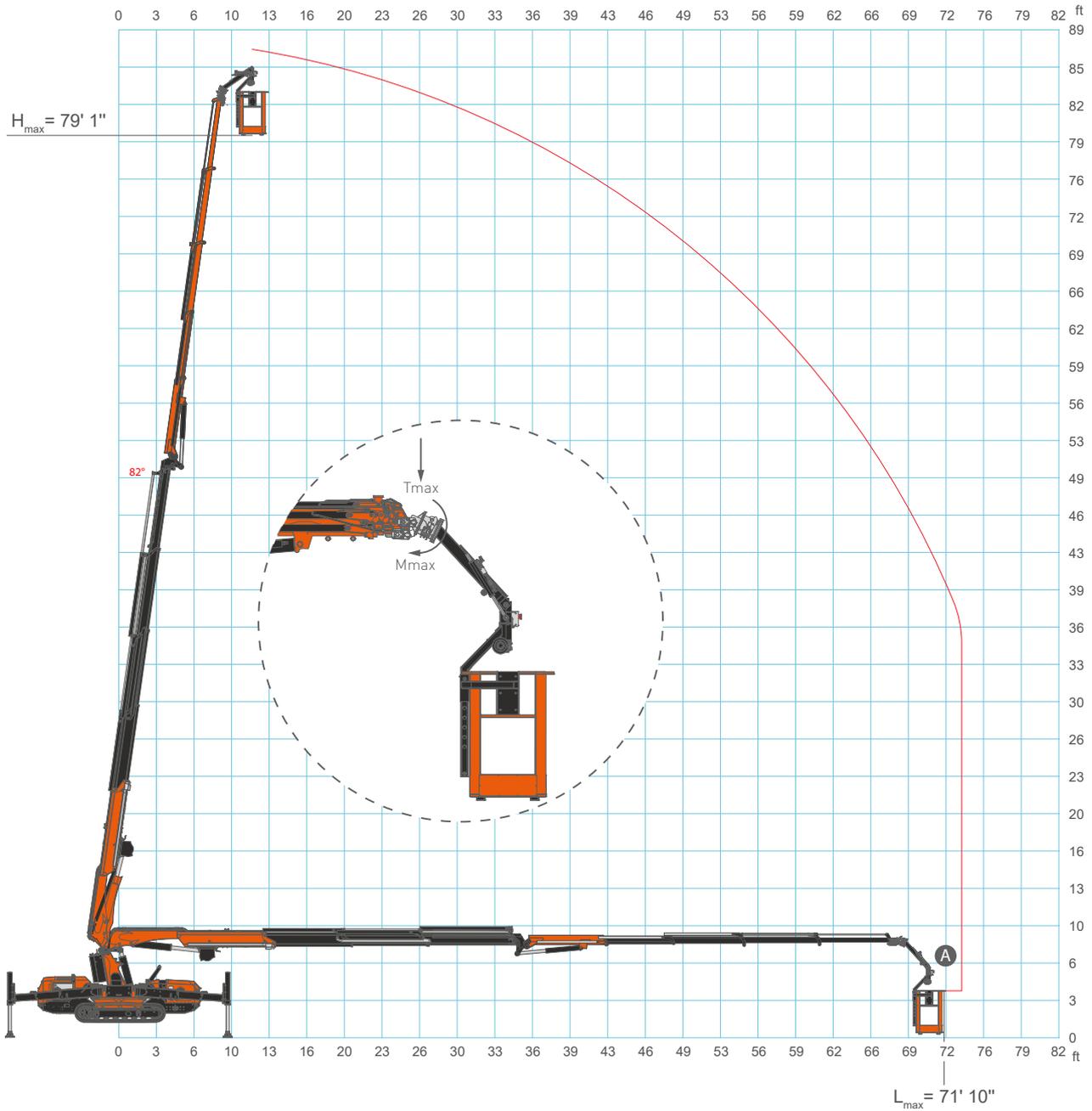
A	PLE	MWP-2PGR.JIB2500.4HA	With activation	P_{max}	441 lb
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*: The crane is equipped with LMI. The maximum reachable distance may vary by about 3' 3".

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

JF235 Aluminium working platform chart

PLE



A	PLE	MWP-2PGR.JIB2500.4HA	Without activation	P_{max}	441 lb
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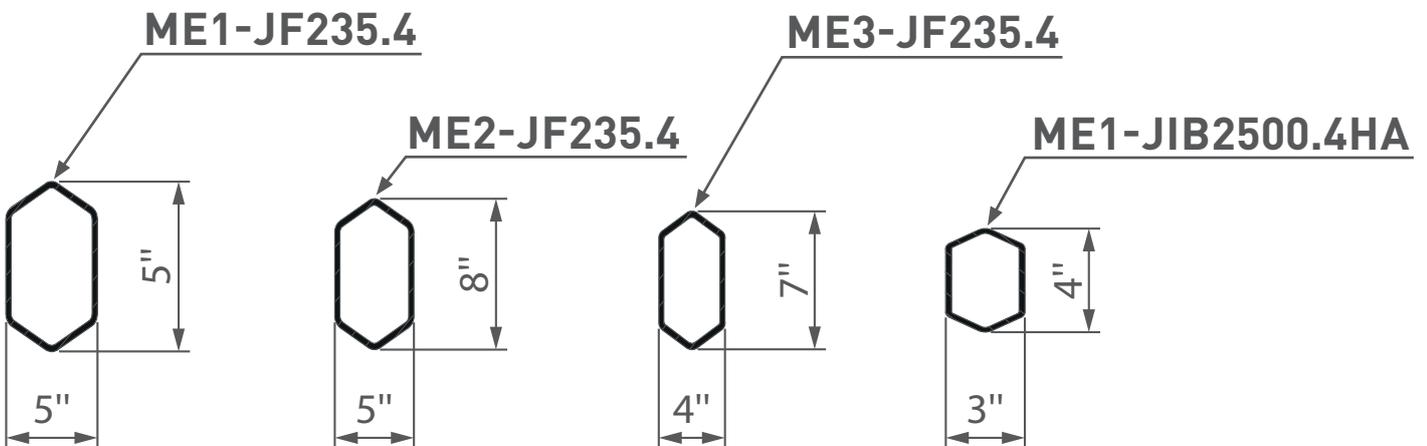
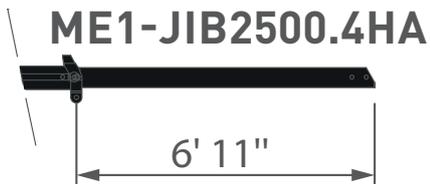
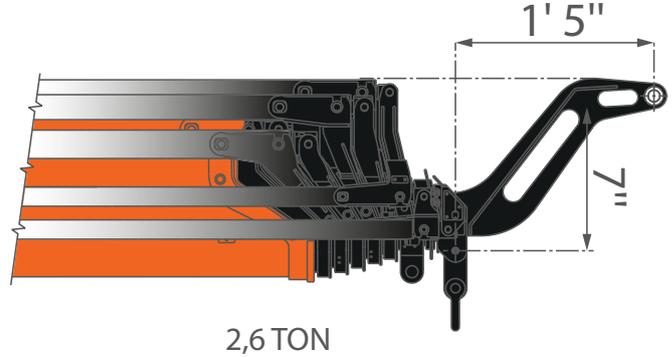
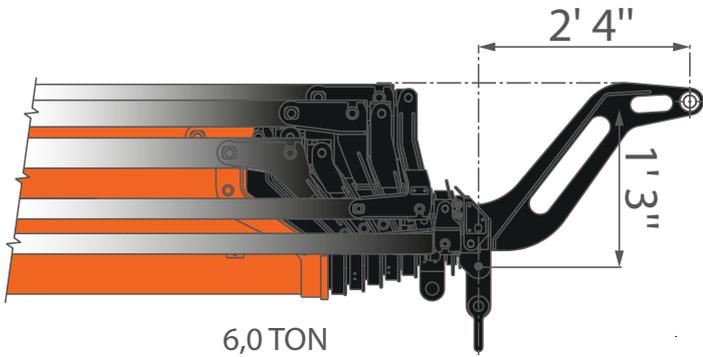
*: The crane is equipped with LMI. The maximum reachable distance may vary by about 3' 3".

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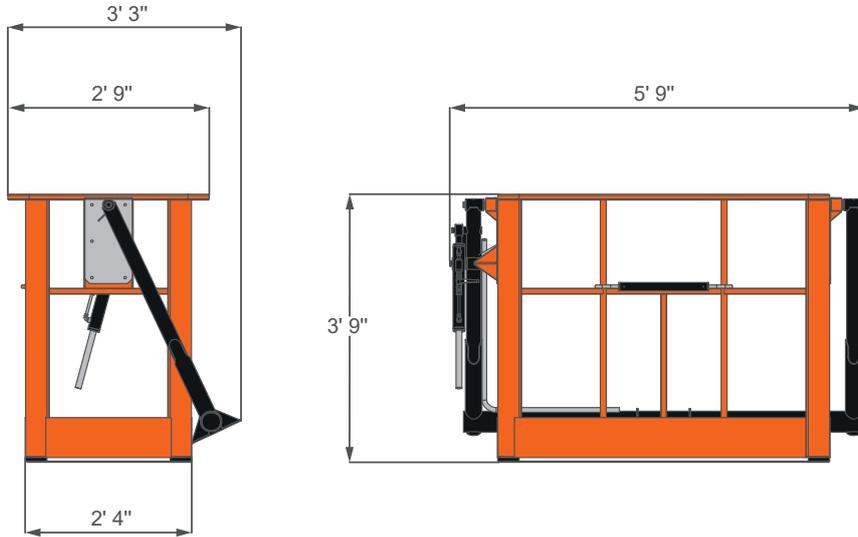
ACCESSORIES FEATURES

MEH-JF235.4

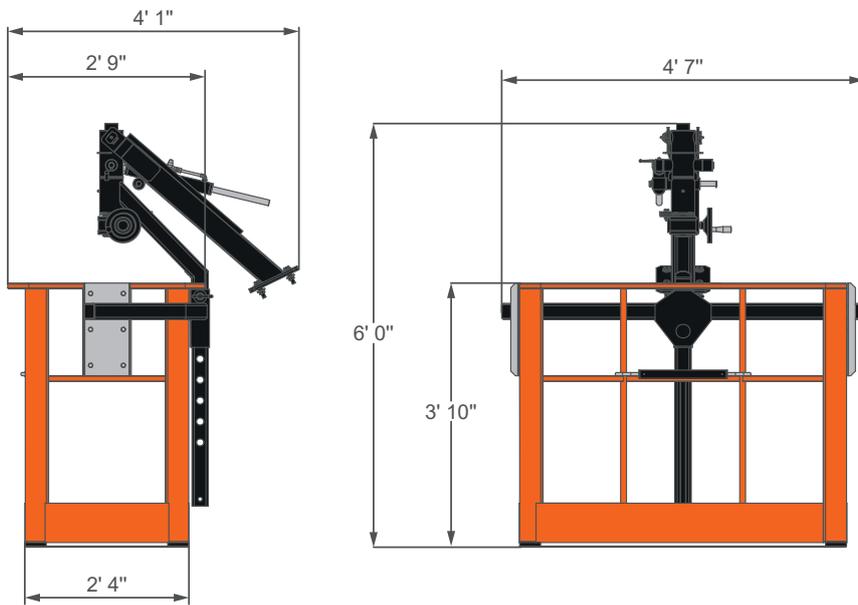
MEH-JIB2500.4HA



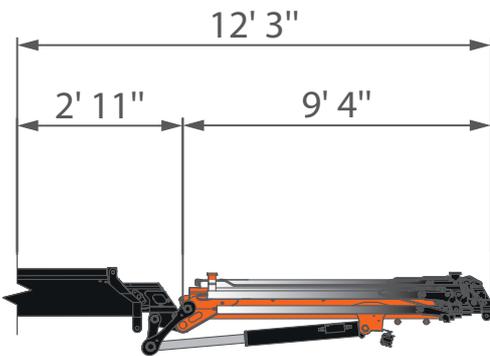
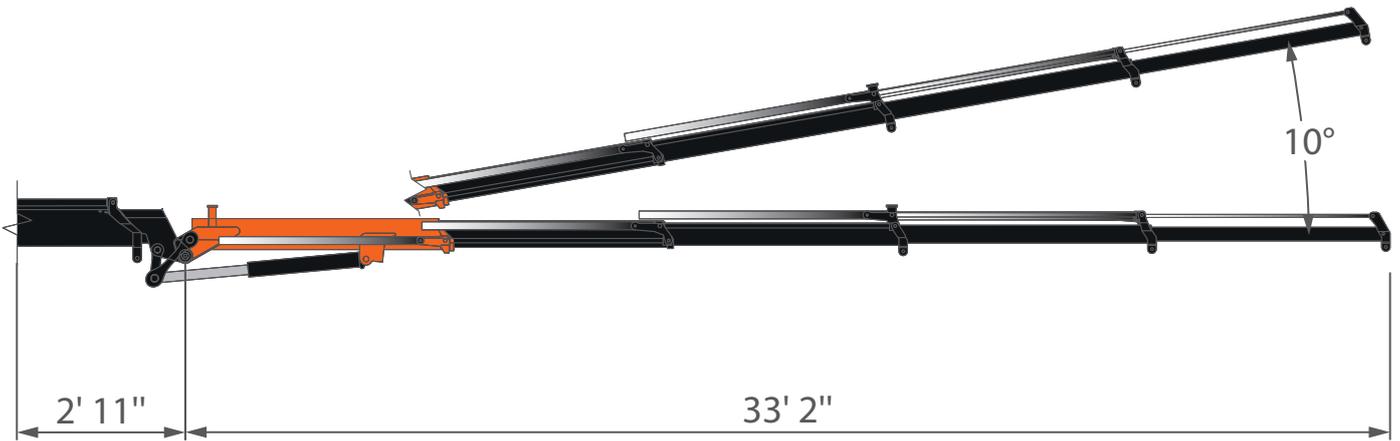
MWP-2PG.JIB2500.4HA



MWP-2PGR-A.JIB2500.4HA



JIB2500.4HA



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
	Jib Activation		PLE Activation		Person Lifting Equipment		Hook
	Sound Emissions						

- 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 HD4 S2 lifting class, 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.
- All specifications and features herein described can be changed without prior advice.
- All indicated data are indicative only and are not binding as crane performs differently depending on its use.



Jekko s.r.l.

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SERIAL NUMBER: