Technical Data

Specifications & Capacities

JF545.2

Translation of the original instructions

[m] [kg]

27.11.2026 | REV1.0

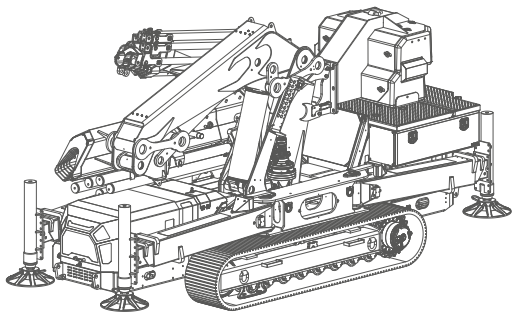
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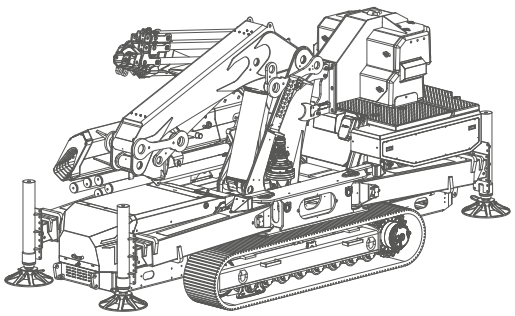
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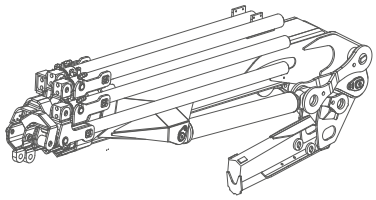
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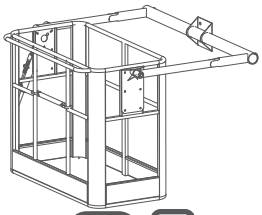
JF545.2 CDH ☐



JF545.2 CL ☐



JIB3000.6HA ☐

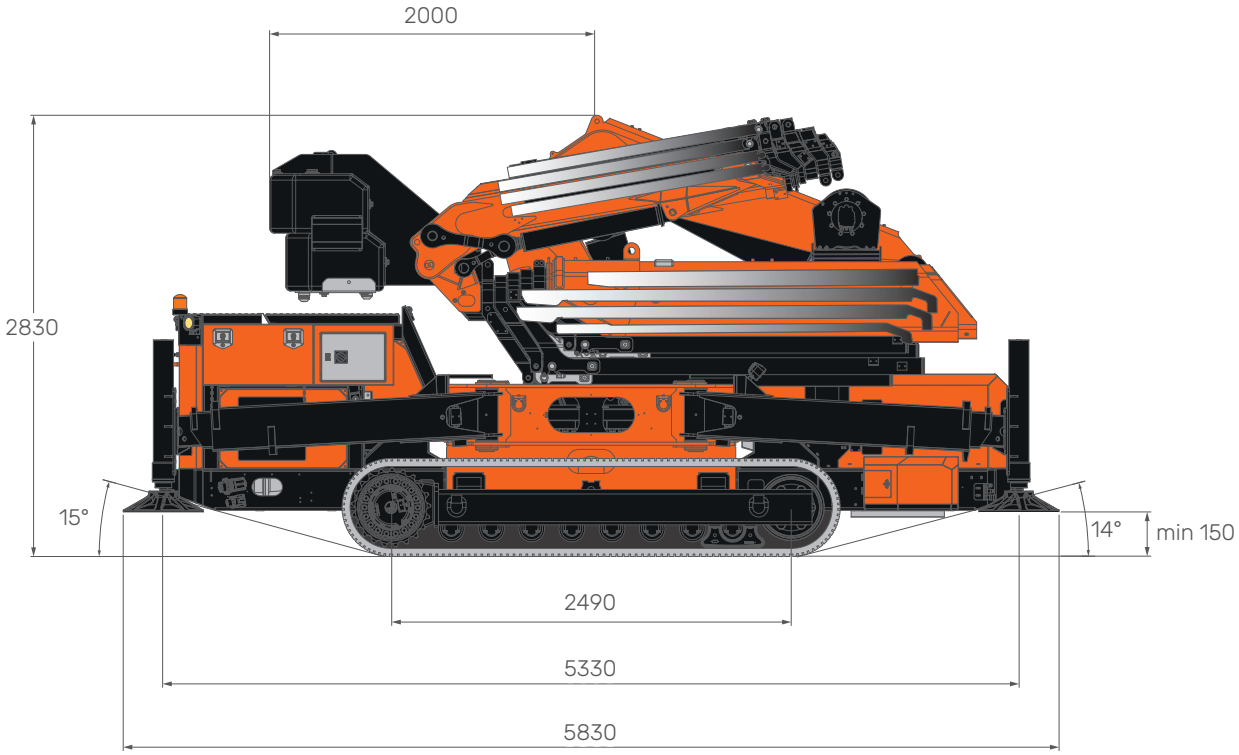


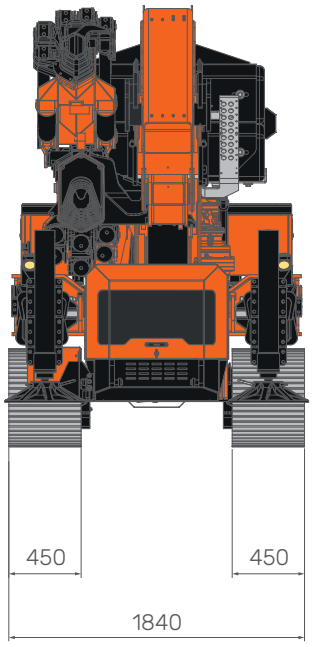
PLE ☐

JF545.2 CDH

Overall dimensions

OVERALL DIMENSIONS





[mm]

OVERALL INFORMATION

CRANE INFO

	DESCRIPTION	U.M.	VALUE
OVERALL DIMENSIONS	Height	mm	2.830
	Length		5.830
	Width		1.840
BOOM	Length	m	4,7/16,3
	Speed	s	50 [1] (4,7/16,3)
SLEWING	Angle	°	360°
	Speed	rpm	0,67
LIFTING	Working Angle	°	0°/80°
	Speed	s	37 (0°/80°)
MAX CAPACITY		kg	15.500
MAX OUTRIGGERS LOAD		daN	11.035[2]
TRACK LOAD (STANDARD CONFIGURATION)		kg/cm^2	0,85
TRAVEL SPEED	Slow	km/h	1
	Fast		2,3
MAX GRADEABILITY (CLOSED TRACKS)		°	15° (27%)
WORKING TEMPERATURE		°C	-10°/+40°
SOUND EMISSIONS		dB	-
MAX WIND SPEED IN WORKING CONDITIONS		m/s	13,8
Lifting Class (UNI 4301-1)		A1	

[1]: Timing without load, fully stabilized and without XP
[2]: Static lifting

JF545.2 CDH

Overall information

WEIGHT

CRANE	With activation	kg	13.730[1][2]
COUNTERWEIGHT		kg	3.500

HOOKBLOCKS

HOOKBLOCK	Single Fall	kg	47
	Double Fall		58
	Triple Fall		-
	Jib Single Fall		74

ACCESSORIES

JIB	JIB3000.6HA	With activation	kg	1.260
		Without activation		1.140
WINCH	W2000-JFM		kg	200
	W3000-JFM-JFX			320
MANUAL EXTENSIONS	ME1-JF545.6		kg	95
	ME2-JF545.6			70
	ME3-JF545.6			45
	MEH-JF545.6			90
	ME1-JIB3000.6HA			36
	MEH-JIB3000.6HA			23
POWERPACK	3-Phase Kit		kg	80
OUTRIGGERS MATS	OM500.1 (x4)		kg	92
LOW MARKING PADS	WTP-V-JFX (x92)		kg	300
PLE	MWP-1PG.JIB3000.6HA		kg	133
	MWP-2PG.JIB3000.6HA / MWP-2PG-JF545.2			160
	MWP-2PG-A.JIB3000.6HA			133
	MWP-2PG-S.JIB3000.6HA			149
	MWP-2PGR.JIB3000.6HA / MWP-2PGR.JF545.2			207
	MWP-2PGR-A.JIB3000.6HA			173
	MWP-2PGR-S.JIB3000.6HA			190
	MWP-2PGR-VE.JIB3000.6HA			185

[1]: Dry weight

[2]: Estimated fluids weight = 285 kg

ENGINE

ENGINE	Power Supply	Diesel	
	Power	kW	55,4
		HP	75
	Tank Capacity	L	75

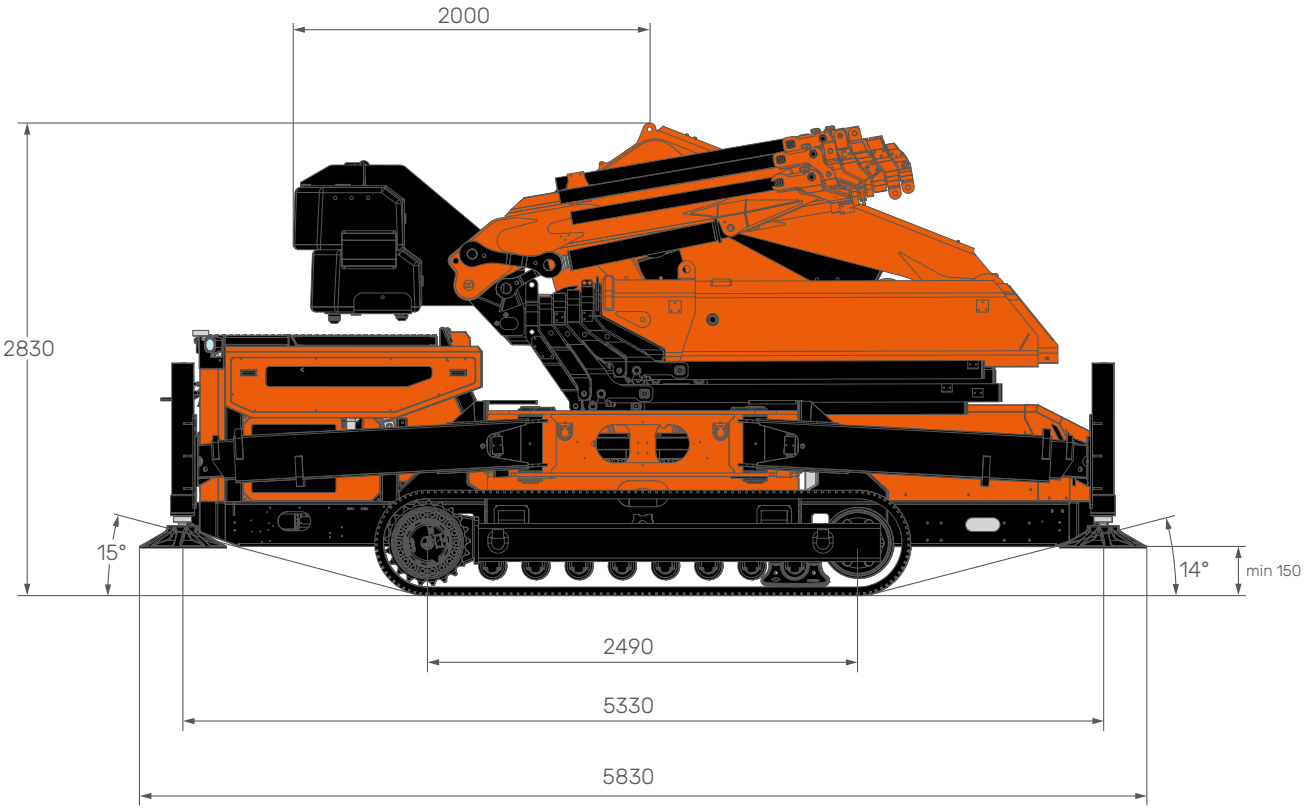
POWERPACK

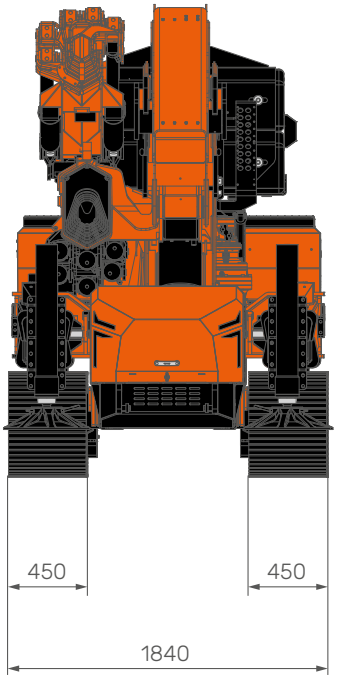
POWER SUPPLY	PP400.13-JFM (CE)	3 PH + N + PE		
	PP480.13-JFM (UL-CSA)	3 PH + PE		
POWERPACK	PP400.13-JFM (CE)	Tension	V	400
		Frequency	Hz	50
		Motor Power	kW	13,5
	PP480.13-JFM (UL-CSA)	Tension	V	480
		Frequency	Hz	60
		Motor Power	kW	13,5
BATTERY CHARGER	PP400.13-JFM (CE)	Charge	V	12
			Ah	25
	PP480.13-JFM (UL-CSA)	Charge	V	12
			Ah	25

HYDRAULIC SYSTEM

MAX WORKING PRESSURE		bar	345
TANK CAPACITY		L	200
HYDRAULIC SYSTEM CAPACITY		L	330
OIL	ISO6743-4:HV	Mineral	ISO VG46
ENGINE PUMP	Displacement	cm^3/rev	80
	Max Oil Flow	L/min	160
3-PHASE MOTORIZATION PUMP	Displacement	cm^3/rev	45
	Max Oil Flow	L/min	60

OVERALL DIMENSIONS





[mm]

OVERALL INFORMATIONS

CRANE INFO

	DESCRIPTION	U.M.	VALUE
OVERALL DIMENSIONS	Height	mm	2.830
	Length		5.830
	Width		1.840
BOOM	Length	m	4,7/16,3
	Speed	s	70 [1] (4,7/16,3)
SLEWING	Angle	°	360°
	Speed	rpm	0,67
LIFTING	Working Angle	°	0°/80°
	Speed	s	37 (0°/80°)
MAX CAPACITY		kg	15.500
MAX OUTRIGGERS LOAD		daN	11.035[2]
TRACK LOAD (STANDARD CONFIGURATION)		kg/cm^2	0,85
TRAVEL SPEED	Slow	km/h	0,5
	Fast		2,1
MAX GRADEABILITY (CLOSED TRACKS)		°	- (-)
WORKING TEMPERATURE		°C	-10°/+40°
SOUND EMISSIONS		dB	-
MAX WIND SPEED IN WORKING CONDITIONS		m/s	13,8
Lifting Class (UNI 4301-1)		A1	

[1]: Timing without load, fully stabilized and without XP
[2]: Static lifting

JF545.2 CL

Overall information

WEIGHT

CRANE	With activation	kg	13.830[1][2]
COUNTERWEIGHT		kg	3.500

HOOKBLOCKS

HOOKBLOCK	Single Fall	kg	47
	Double Fall		58
	Triple Fall		-
	Jib Single Fall		74

ACCESSORIES

JIB	JIB3000.6HA	With activation	kg	1.260
		Without activation		1.140
WINCH	W2000-JFM		kg	200
	W3000-JFM-JFX			320
MANUAL EXTENSIONS	ME1-JF545.6		kg	95
	ME2-JF545.6			70
	ME3-JF545.6			45
	MEH-JF545.6			90
	ME1-JIB3000.6HA			36
	MEH-JIB3000.6HA			23
OUTRIGGERS MATS	OM500.1 (x4)		kg	92
LOW MARKING PADS	WTP-V-JFX (x92)		kg	300
PLE	MWP-1PG.JIB3000.6HA		kg	133
	MWP-2PG.JIB3000.6HA / MWP-2PG-JF545.2			160
	MWP-2PG-A.JIB3000.6HA			133
	MWP-2PG-S.JIB3000.6HA			149
	MWP-2PGR.JIB3000.6HA / MWP-2PGR.JF545.2			207
	MWP-2PGR-A.JIB3000.6HA			173
	MWP-2PGR-S.JIB3000.6HA			190
	MWP-2PGR-VE.JIB3000.6HA			185

[1]: Dry weight
[2]: Estimated fluids weight = 285 kg

MOTOR

ELECTRIC MOTORIZATION	Power	kW	30

BATTERY

BATTERY	Type	Lithium Battery LiFePO4	
	Voltage	VDC	409
	Capacity	Ah	230
	Energy	kWh	75

ELECYTIC SYSTEM

BATTERY CHARGER	Type 2 (3 PH + N + PE)	Charge	Vac	400
			Ah	40
			Vac	230
			Ah	32
	CCS Combo2 Fast DC	Charge	Vdc	409
			Ah	100

HYDRAULIC SYSTEM

MAX WORKING PRESSURE		bar	345
TANK CAPACITY		L	200
HYDRAULIC SYSTEM CAPACITY		L	330
OIL	ISO6743-4:HV	Mineral	ISO VG46
CRANE PUMP	Displacement	cm^3/rev	45
	Max Oil Flow	L/min	85
UNDERCARRIAGE PUMP	Displacement	cm^3/rev	45+20 [1]
	Max Oil Flow	L/min	160 [1]

[1]: Active only during travel in high-speed mode.

WINCH

W2000-JFM



LAYER	MAX PULL LINE	ROPE SPEED
		STANDARD
	daN	m/min
1	2.000[1]	45
4	-[1]	57,5

ROPE

WIRE ROPE	BREAKING LOAD	Ø	TOTAL LENGTH
	daN	mm	m
Anti twist 19x7 right lang lay	12.750	12	60

W3000-JFM-JFX



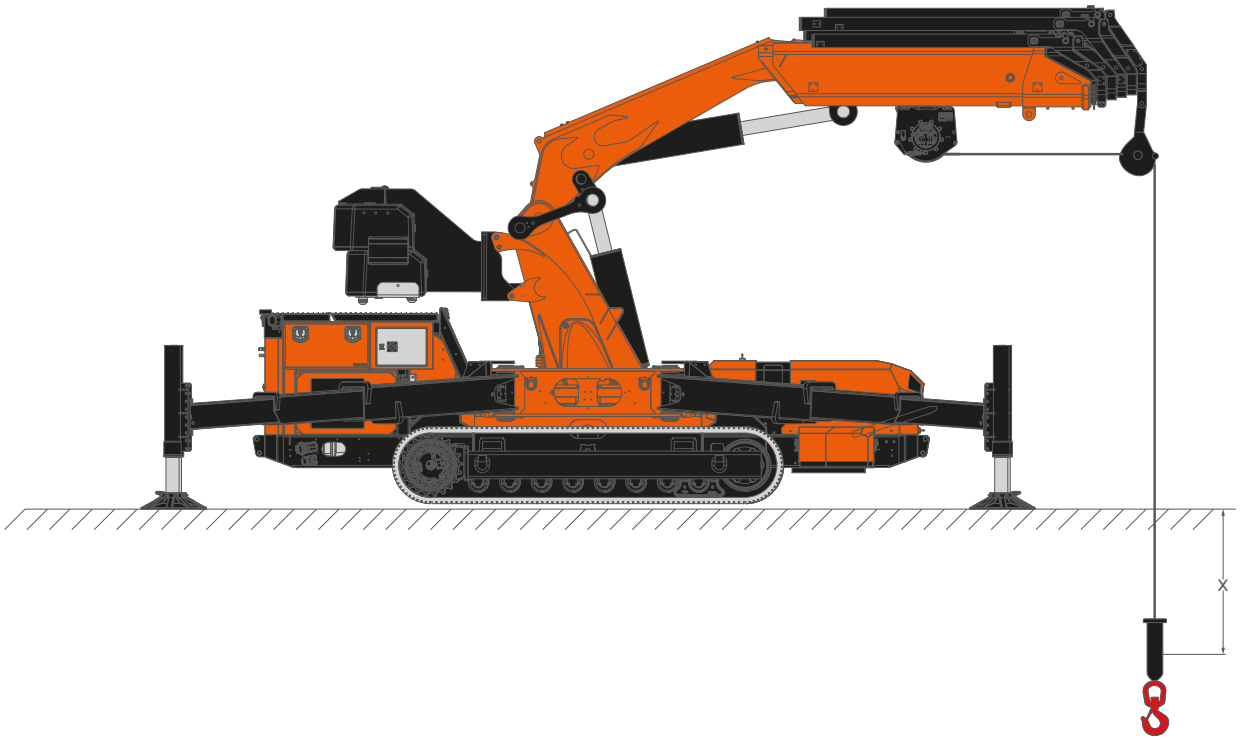
LAYER	MAX PULL LINE	ROPE SPEED
		STANDARD
	daN	m/min
1	3.000[1]	28
3	-[1]	36

ROPE

WIRE ROPE	BREAKING LOAD	Ø	TOTAL LENGTH
	daN	mm	m
Anti twist 19x7 right lang lay	18.600	14	60

[1]: LMI limited at 2.000 kg.
[2]: LMI limited at 3.000 kg.

WINCH ROPE MAX REACH

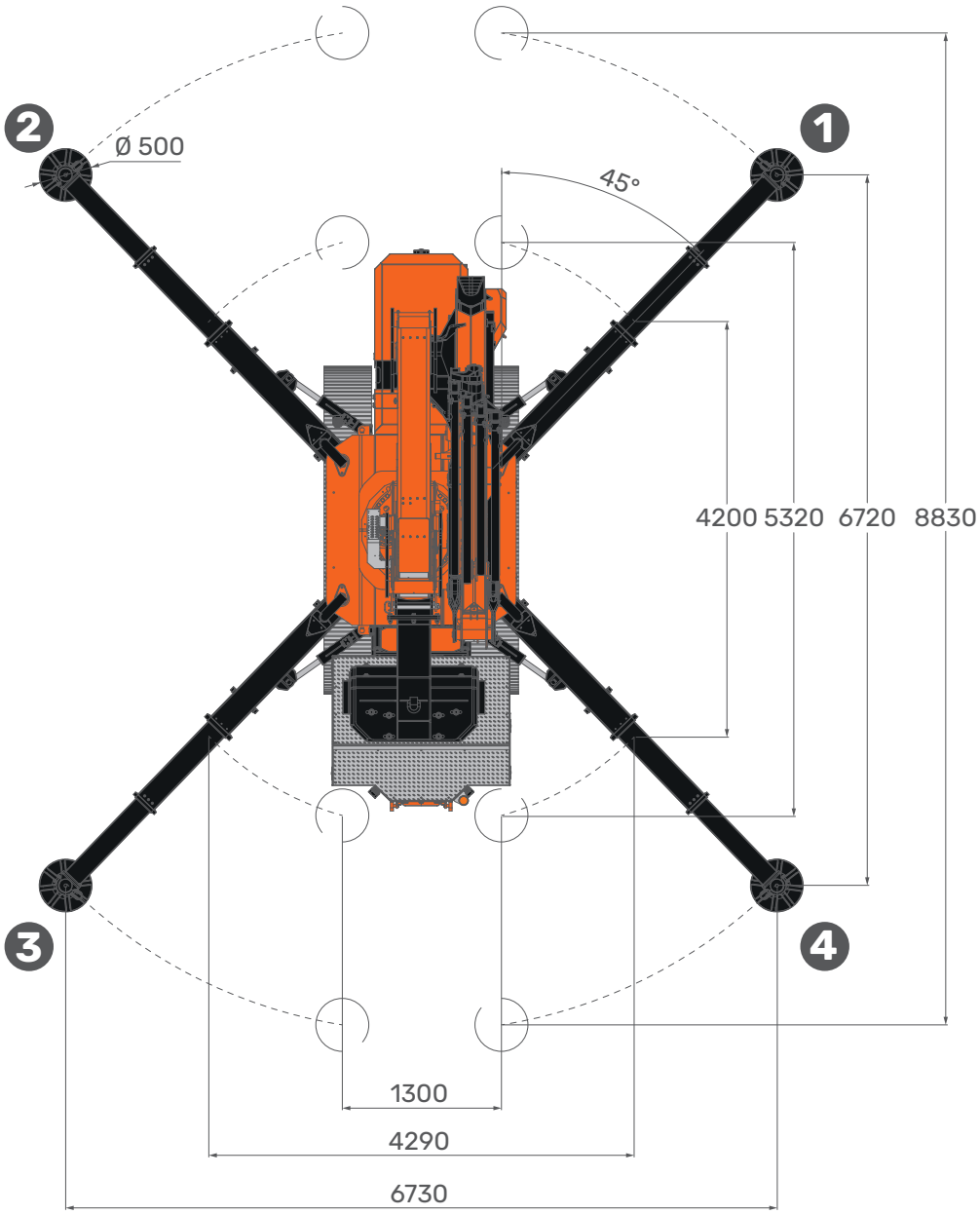


ROPE

W2000-JFM	Parts of Line	1	m	50
		3		14

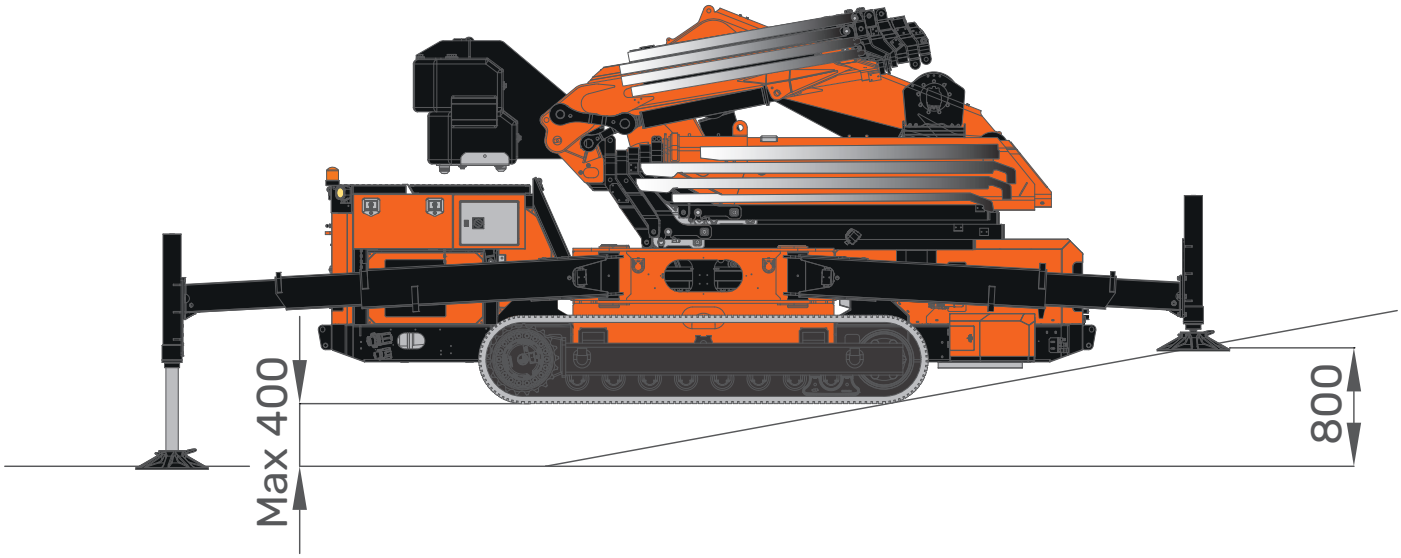
W3000-JFM-JFX	Parts of Line	1	m	50
		2		23

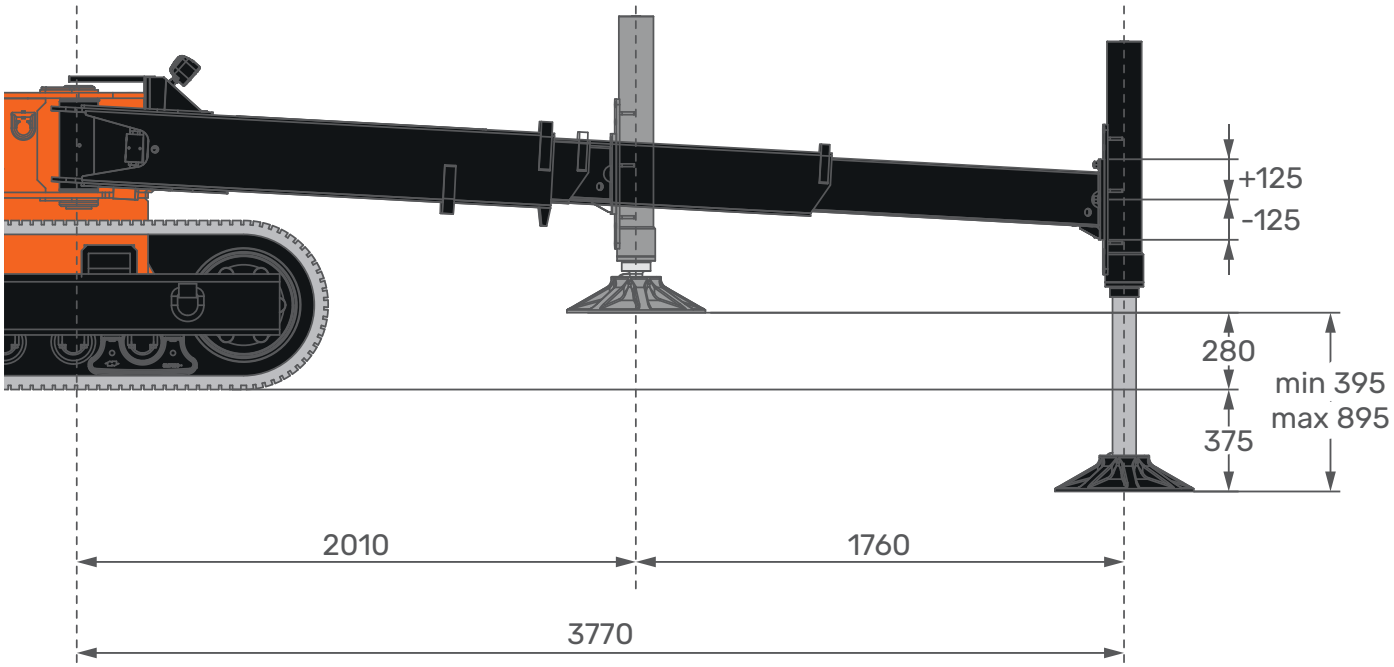
STABILITY AREAS



[mm]

OUTRIGGERS



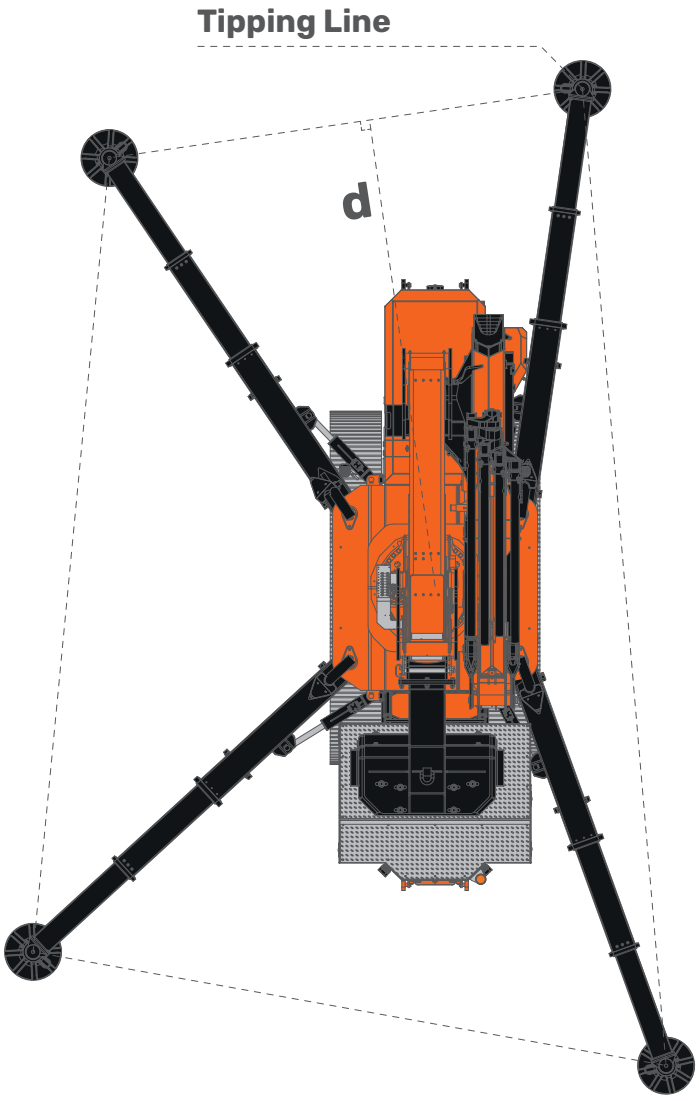


[mm]

JF545.2

Tipping line - Load chart selection

TIPPING LINE

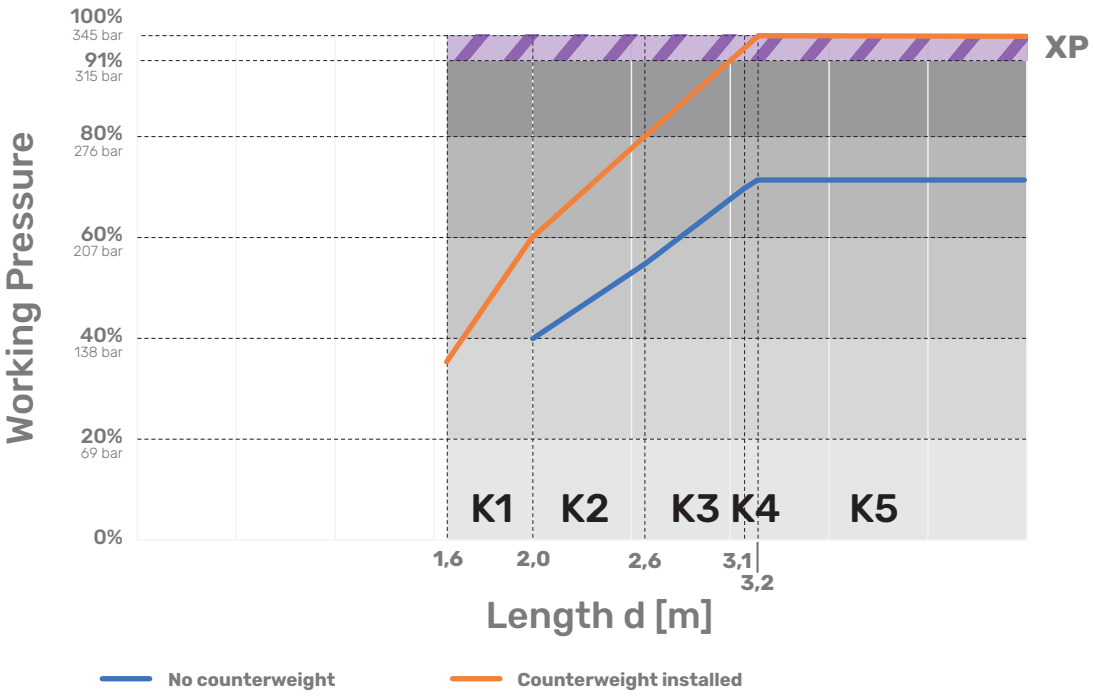


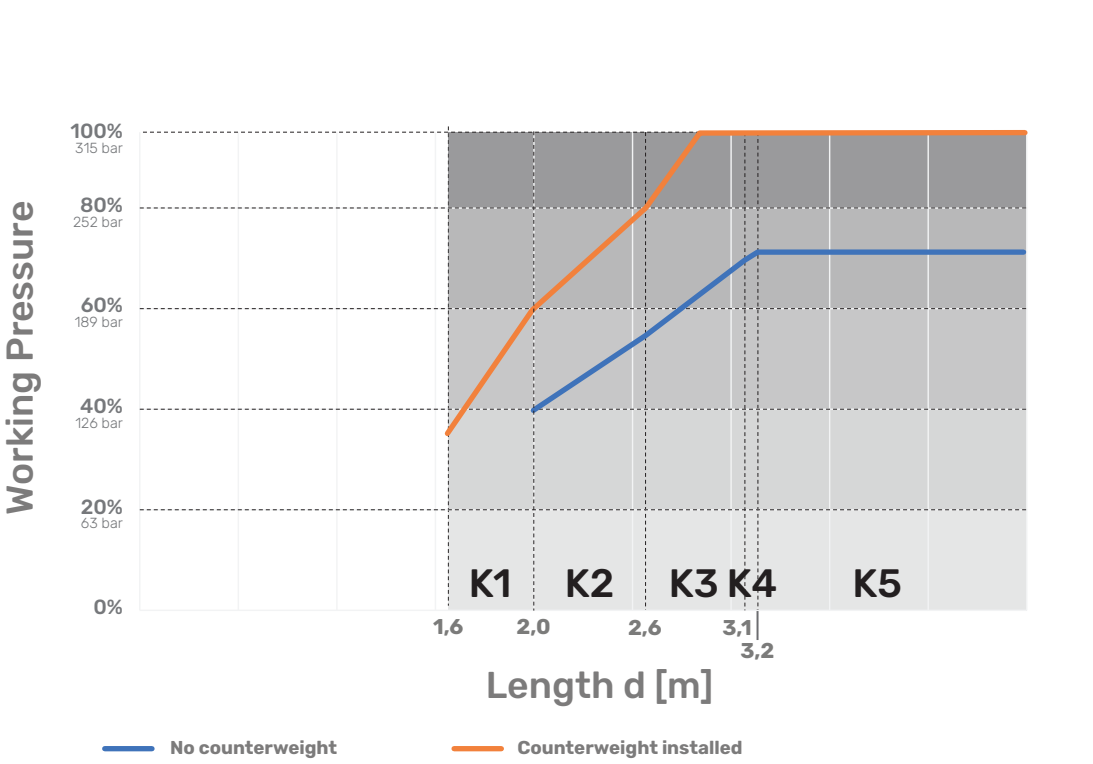
LOAD CHART SELECTION

K	d min	d max
K1	1,6 m	2,0 m
K2	2,0 m	2,6 m
K3	2,6 m	3,1 m
K4	3,1 m	3,2 m
K5	3,2 m	-

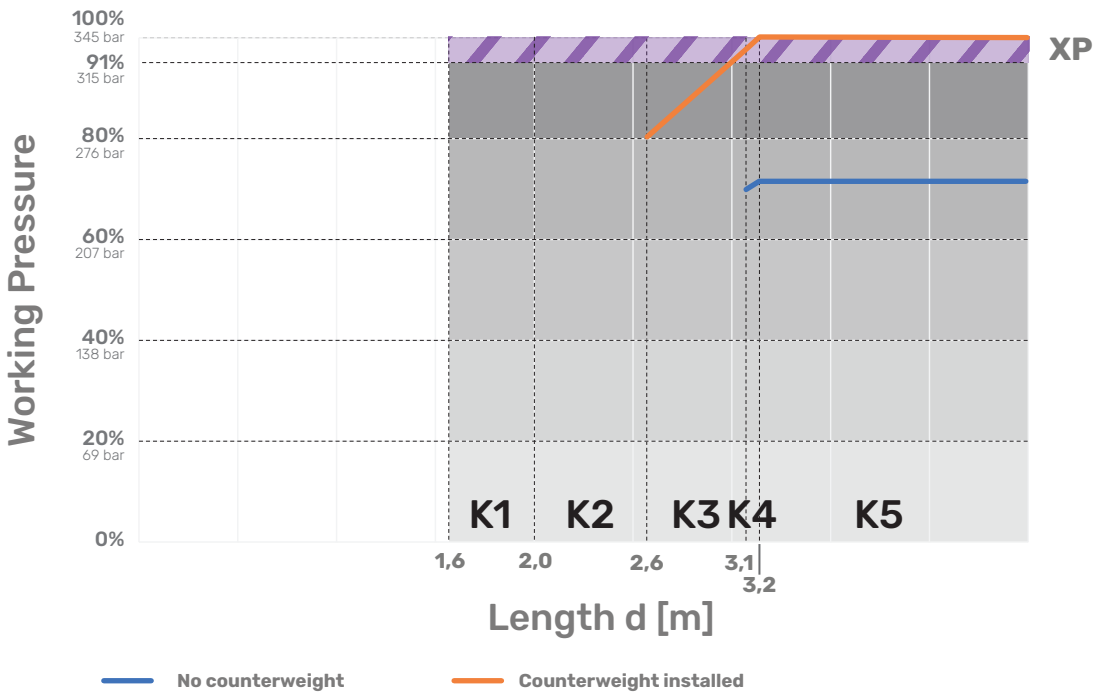
PRESSURE CHARTS

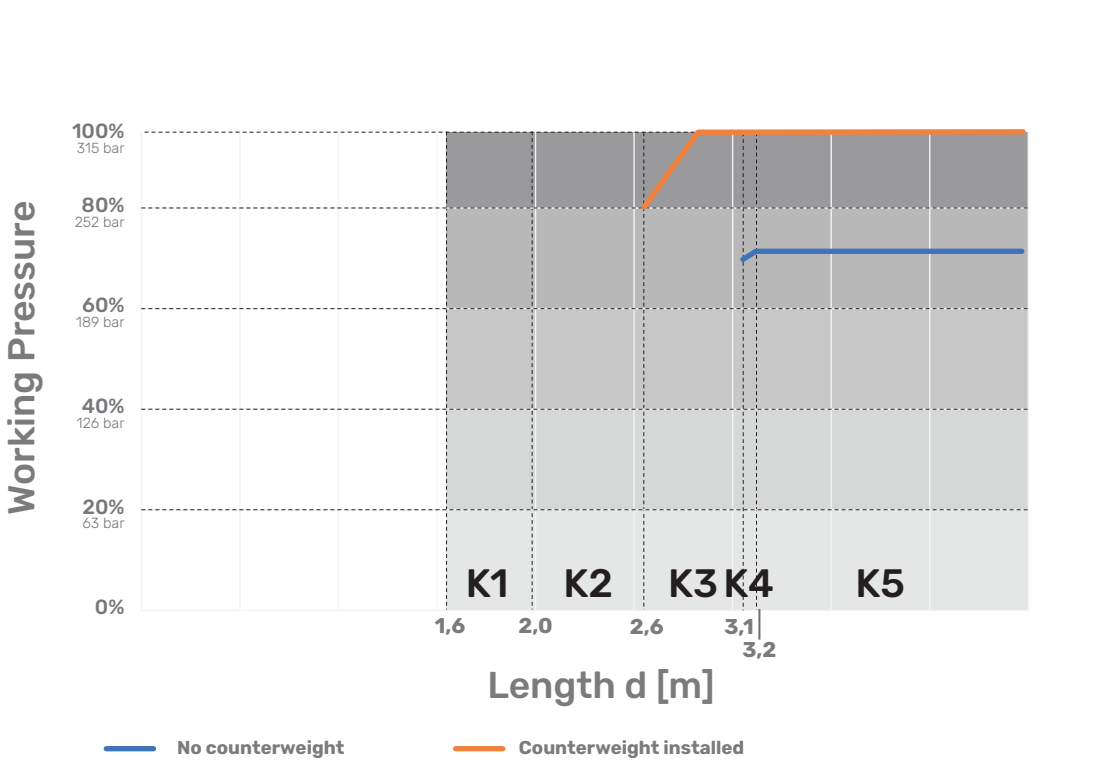
MAIN BOOM





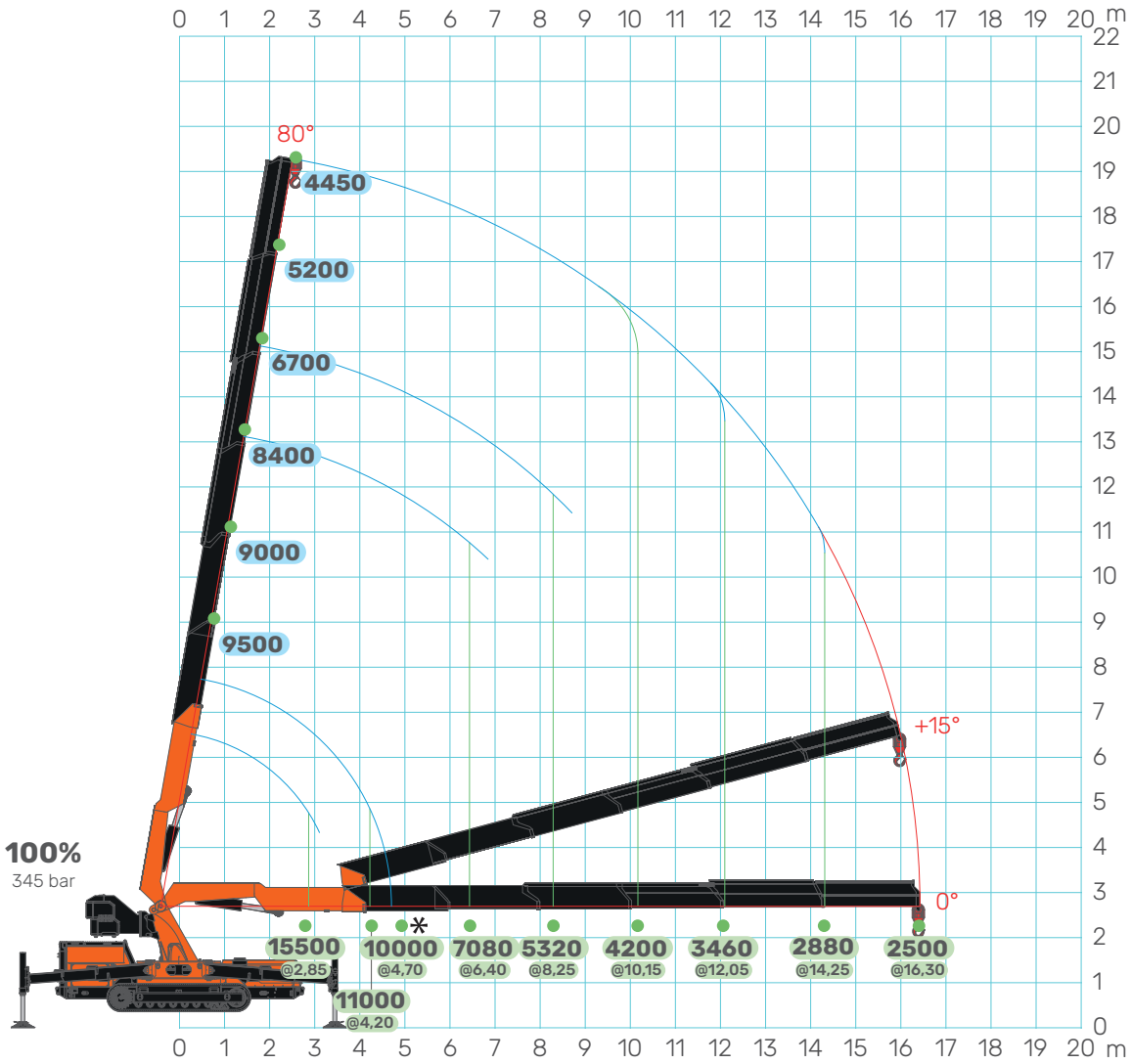
JIB3000.6HA

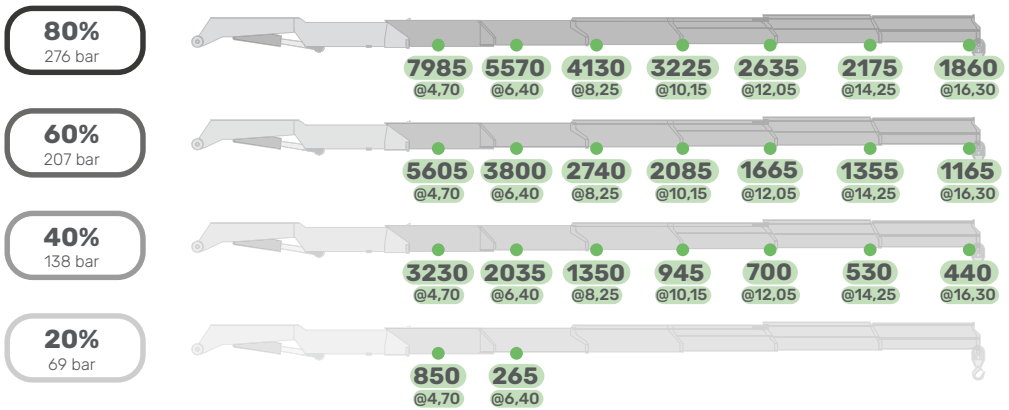

Working Pressure
100%
345 bar
91%
315 bar
80%
276 bar
60%
207 bar
40%
138 bar
20%
69 bar
0%
XP
K1
K2
K3
K4
K5
1,6
2,0
2,6
3,1
3,2
Length d [m]
No counterweight
Counterweight installed

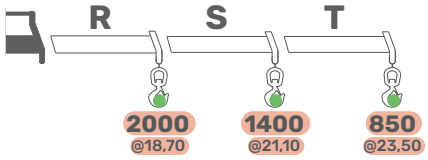

Working Pressure
100%
315 bar
80%
252 bar
60%
189 bar
40%
126 bar
20%
63 bar
0%
K1
K2
K3
K4
K5
1,6
2,0
2,6
3,1
3,2
Length d [m]
No counterweight
Counterweight installed

MAIN BOOM

3500 kg



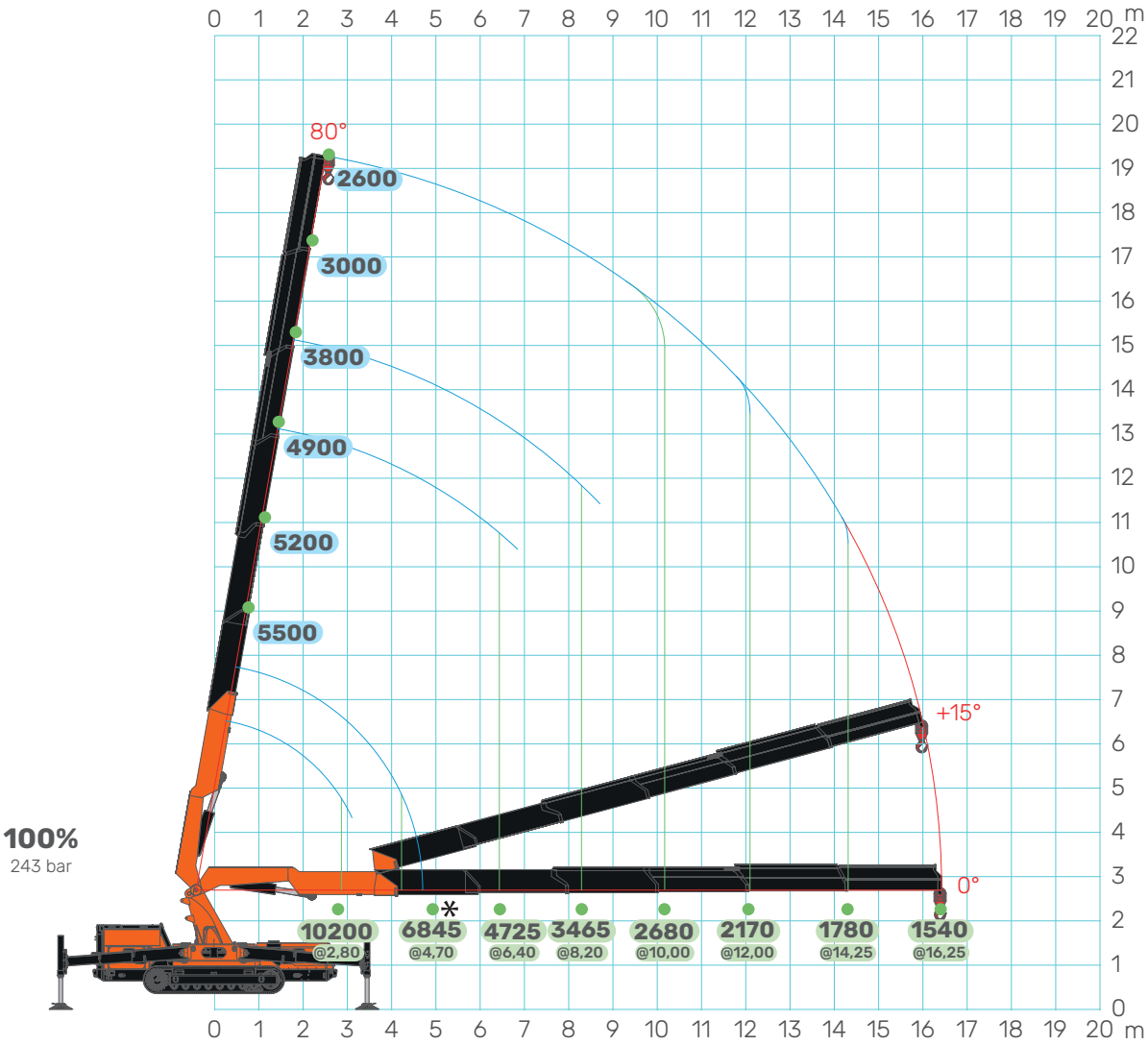


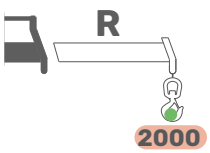


[m] [kg]

JF545.2

Main boom diagram



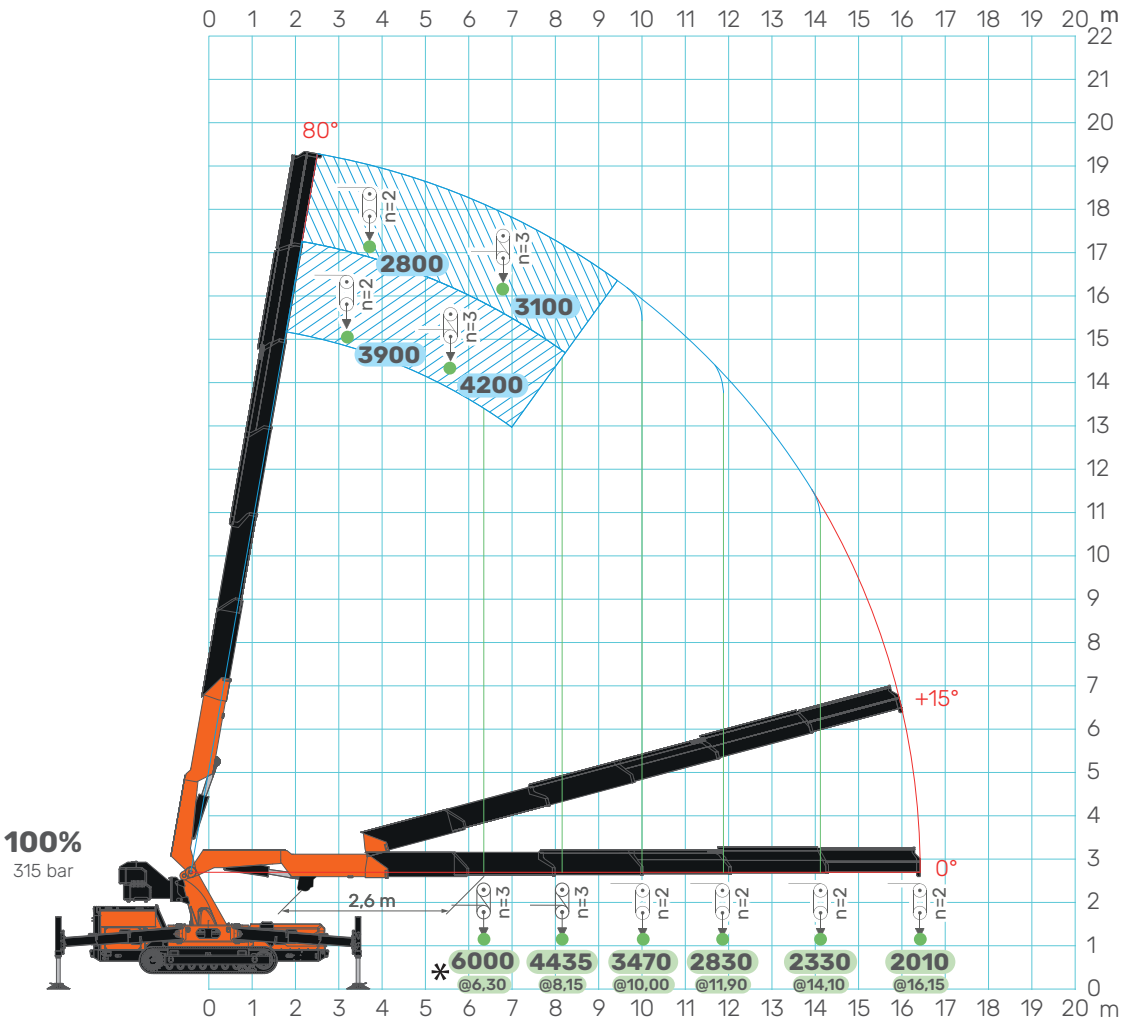


[m] [kg]

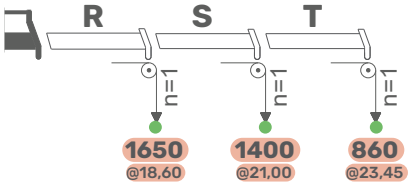
Main boom diagram

3500 kg

W2000





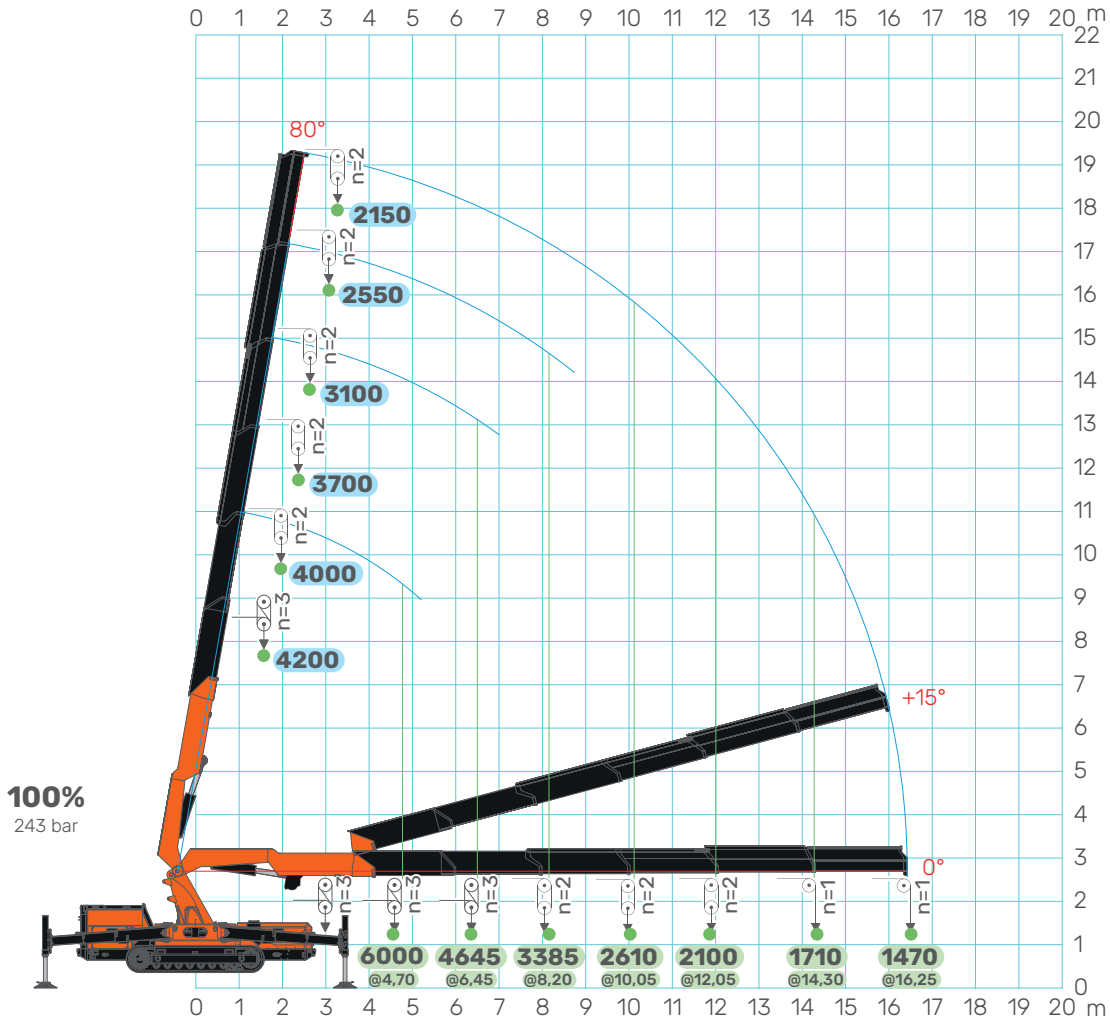


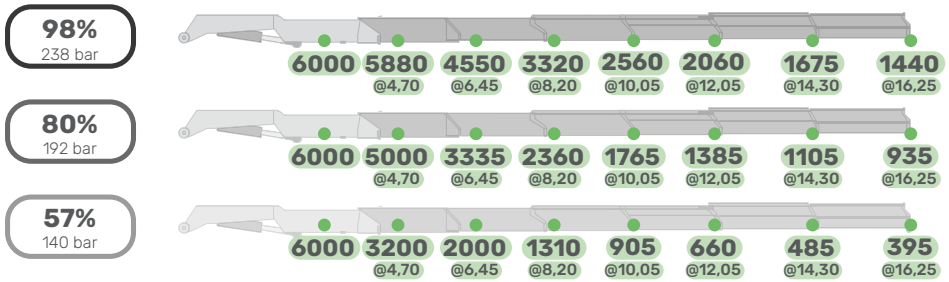
[m] [kg]

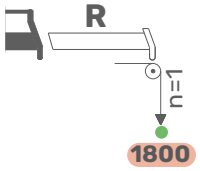
JF545.2

Main boom diagram

W2000





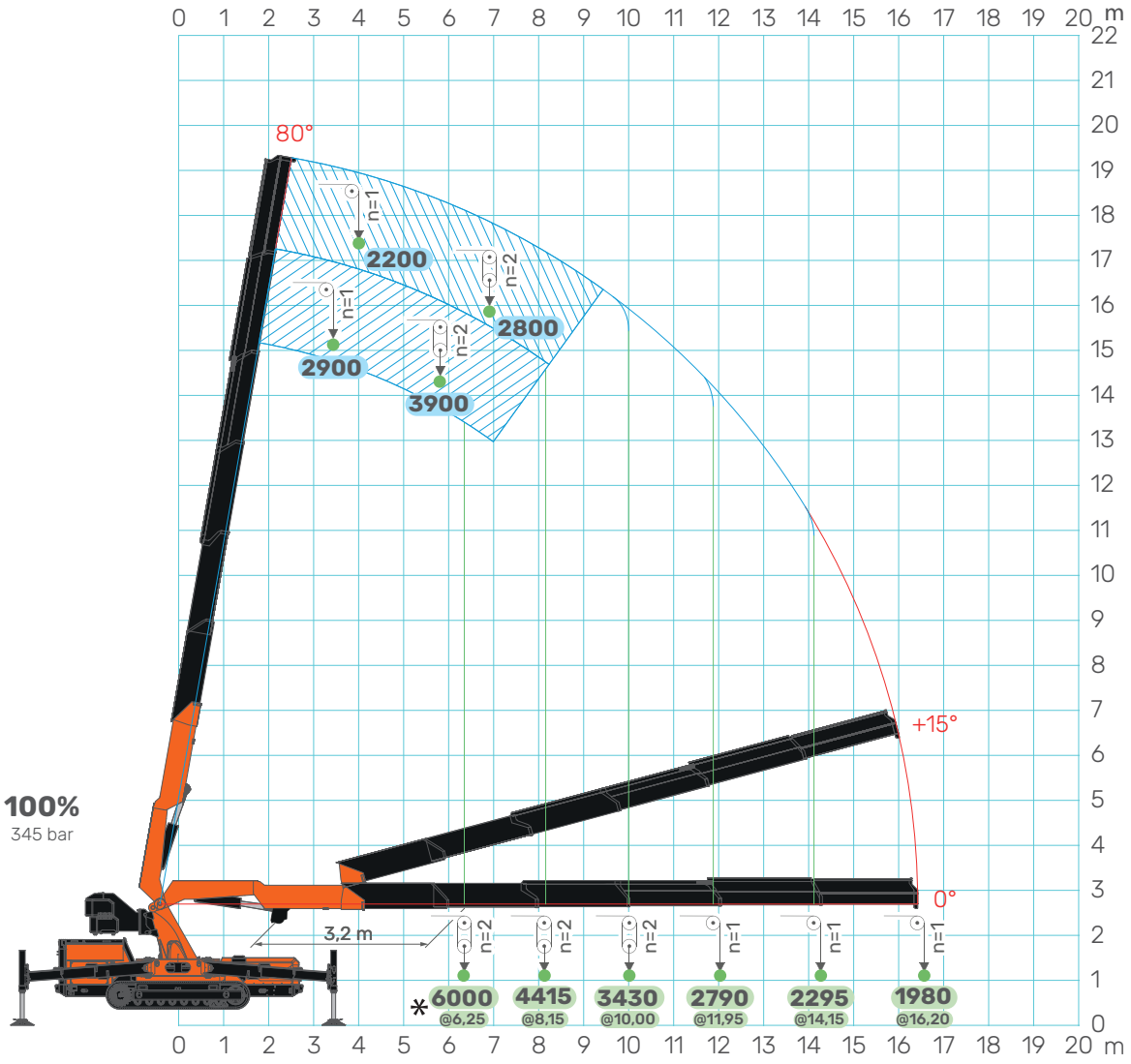


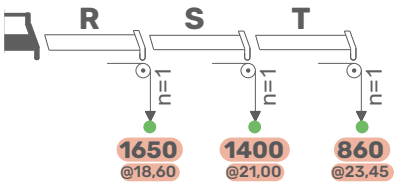
[m] [kg]

Main boom diagram

3500 kg

W3000





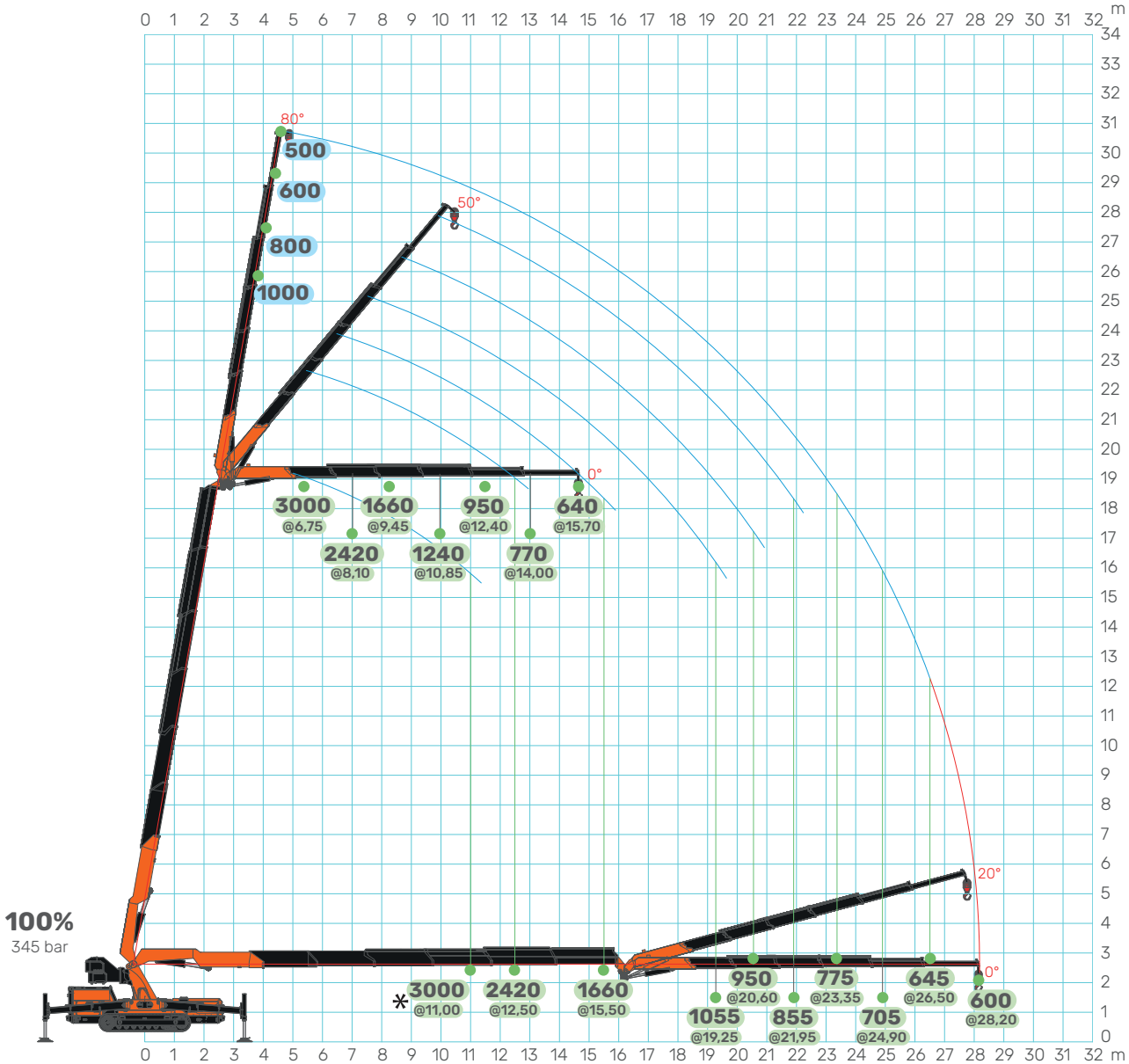
[m] [kg]

JF545.2

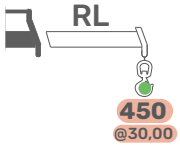
JIB3000.6HA diagram

JIB3000.6HA

3500 kg

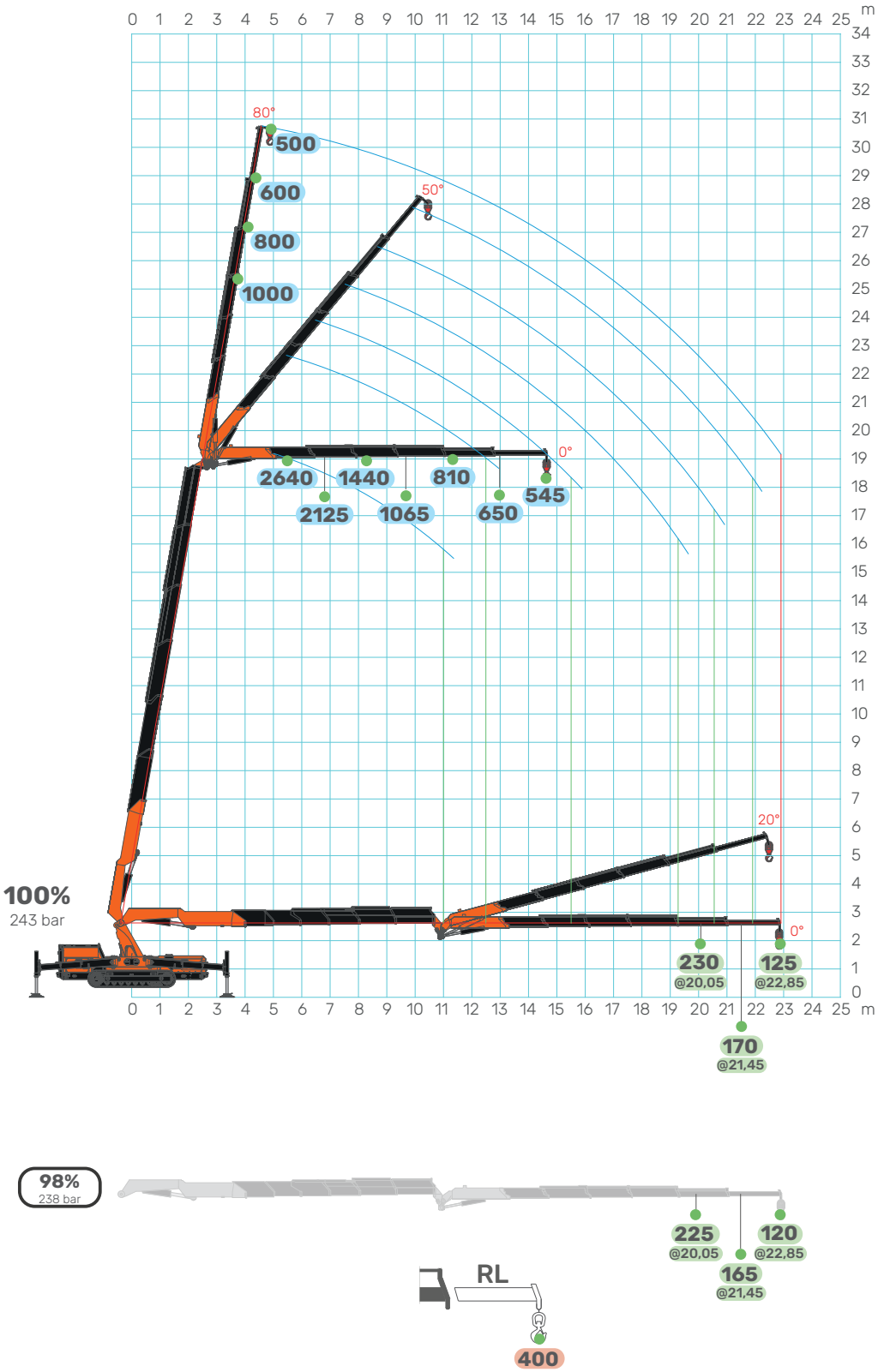






The load chart refers to the crane in deflection condition.

[m] [kg]



[m] [kg]

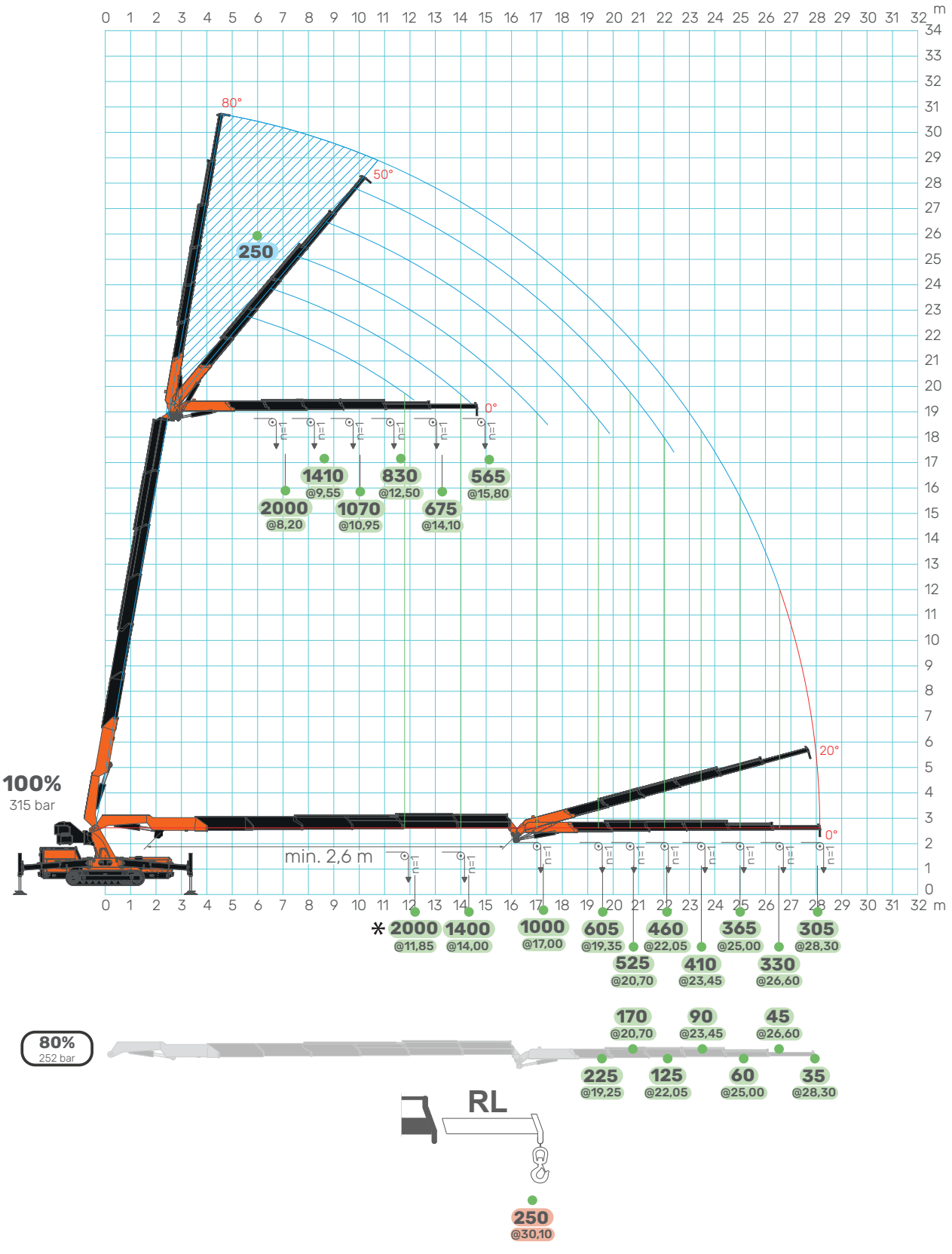
The load chart refers to the crane in deflection condition.

JF545.2

JIB3000.6HA diagram

3500 kg

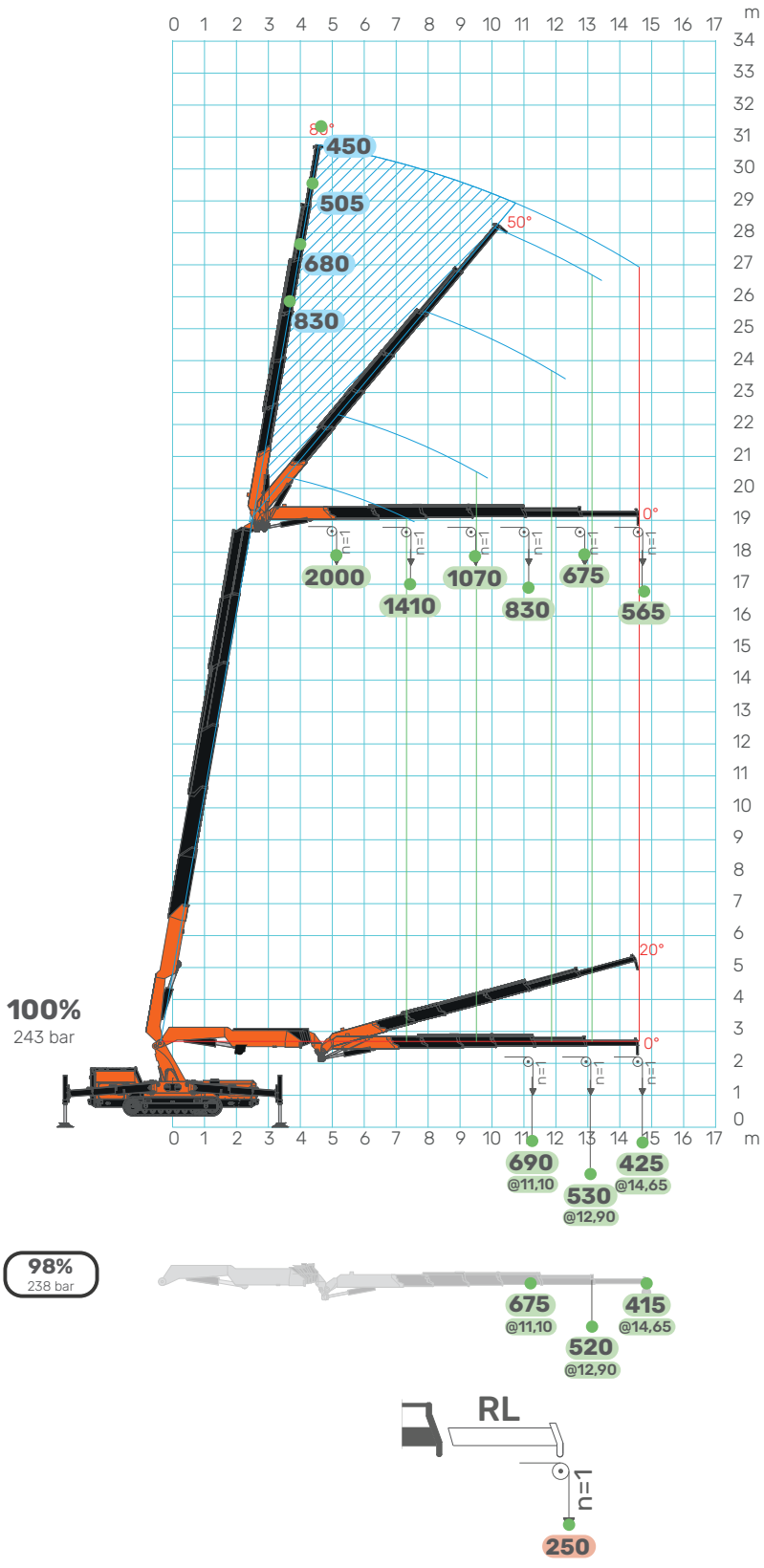
W2000



The load chart refers to the crane in deflection condition.

[m] [kg]

W2000



[m] [kg]

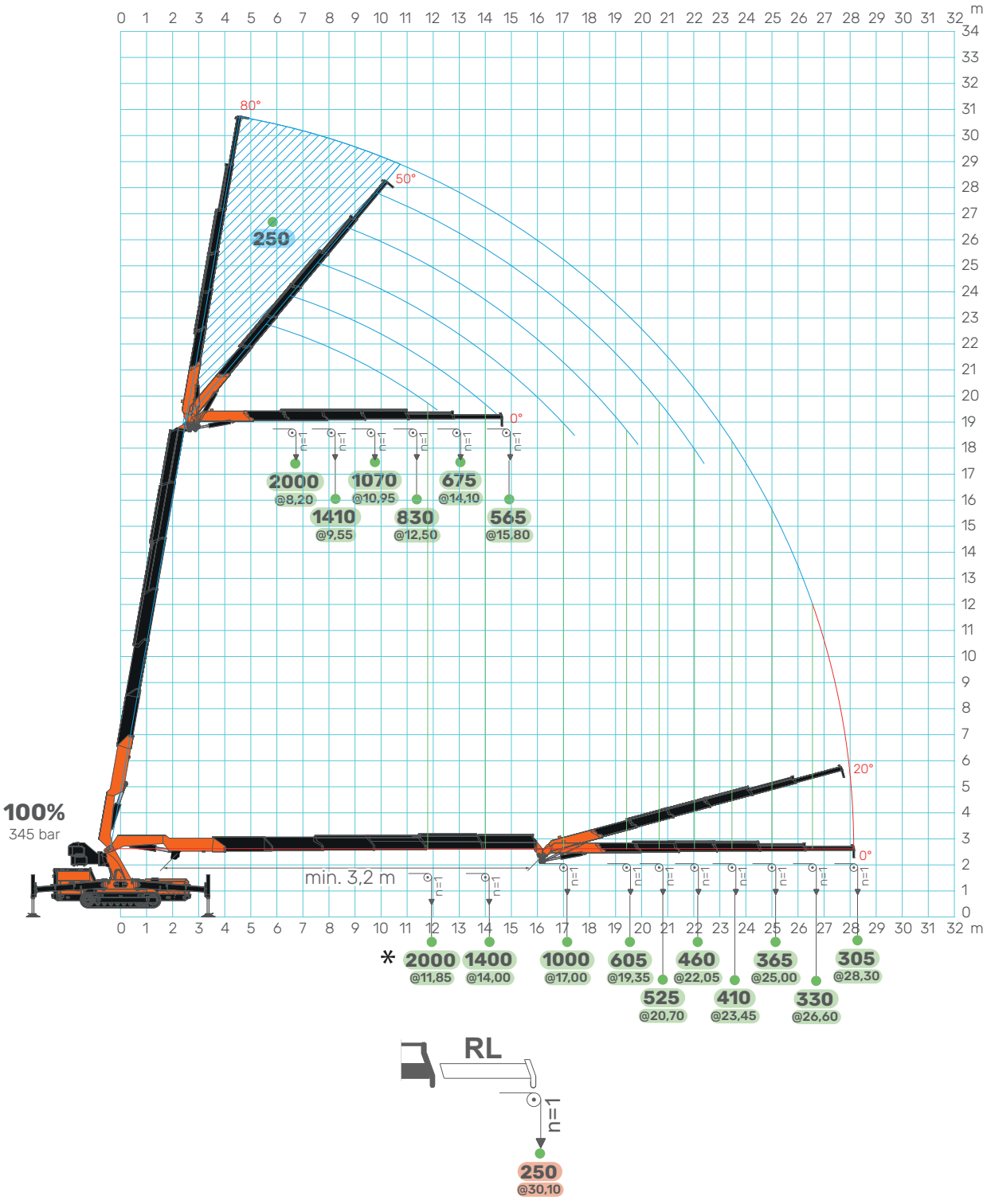
The load chart refers to the crane in deflection condition.

JF545.2

JIB3000.6HA diagram

3500 kg

W3000

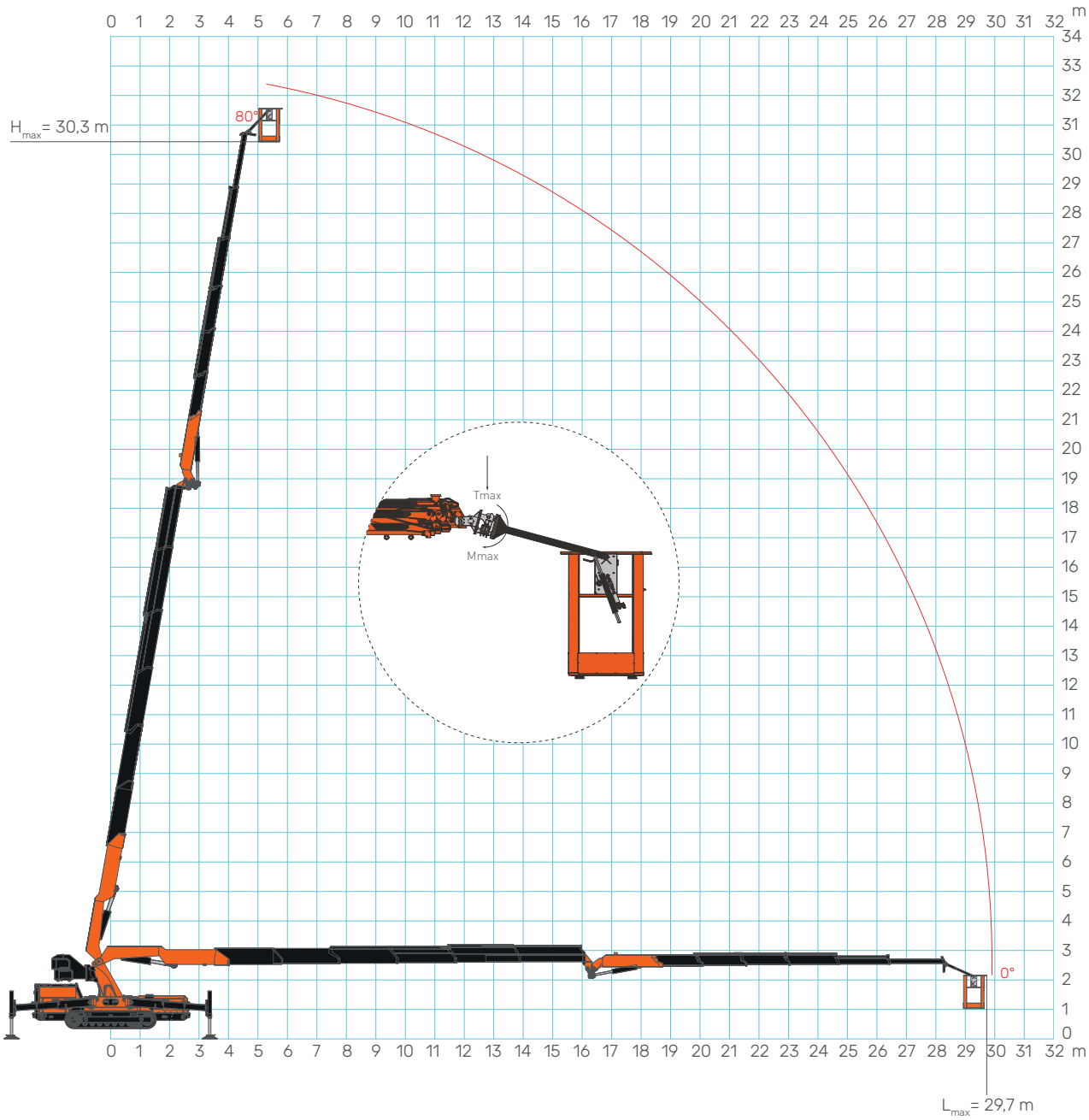


The load chart refers to the crane in deflection condition.

[m] [kg]

PLE



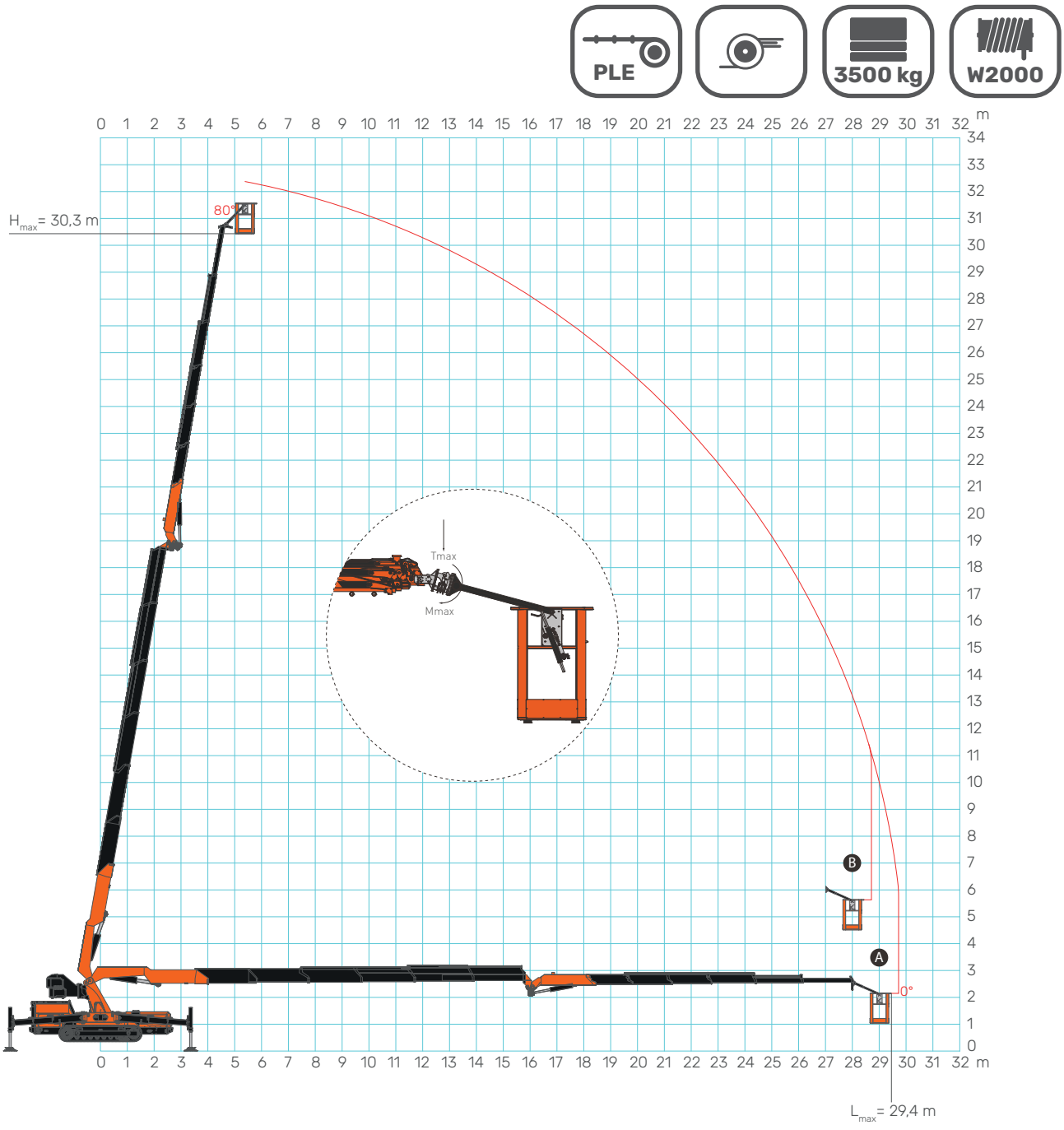


PLE				
	MWP-1PG.JIB3000.6HA	Max Capacity	kg	120

[1]: The load chart refers to the crane in deflection condition.
[2]: The crane is equipped with LMI. The maximum reachable distance may vary by about 1 m.
[3]: The maximum reachable distance can be reached by extending the JIB first and then extending the boom.

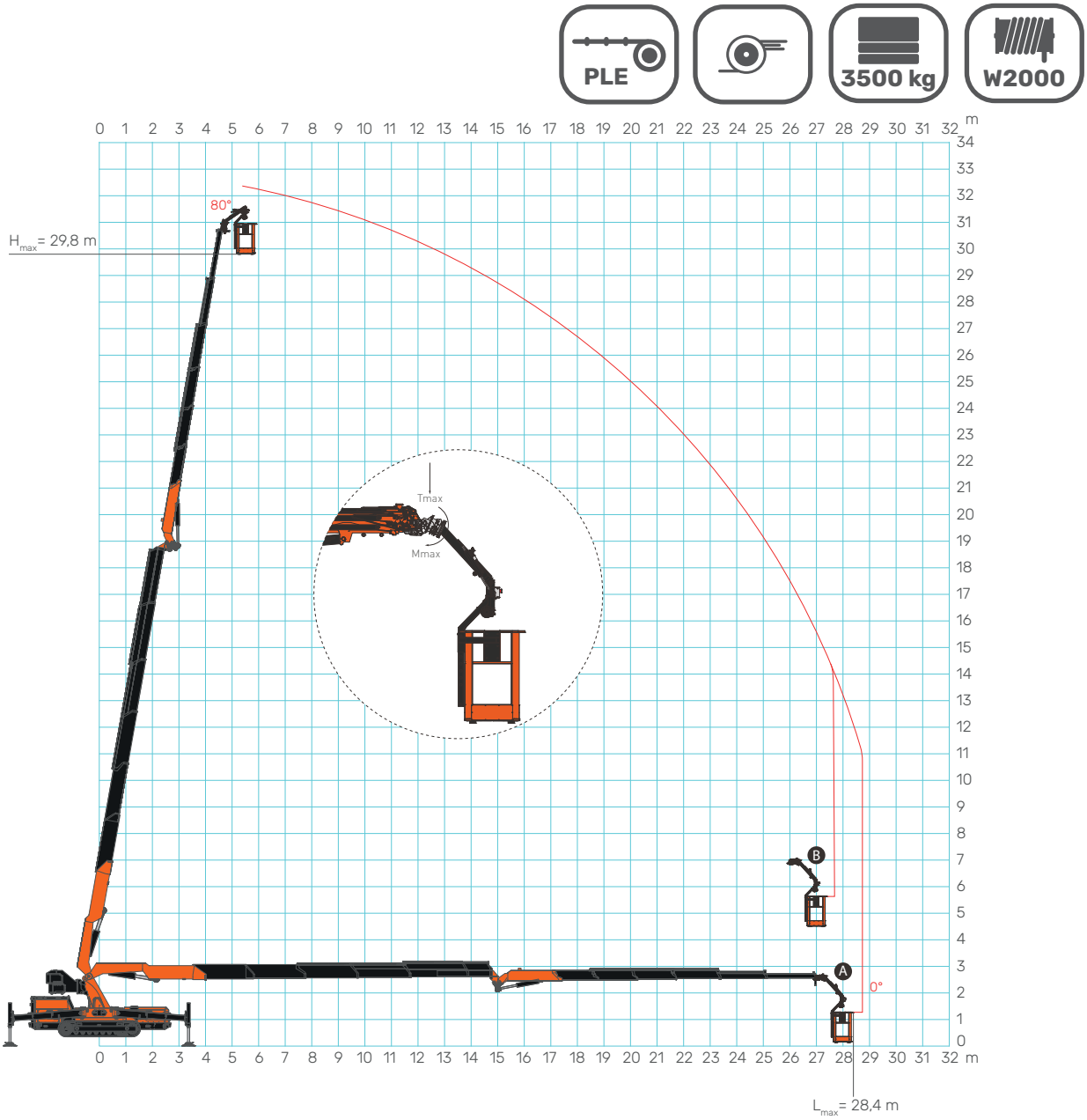
JF545.2

Two-man basket diagram - Jib



PLE		MWP-2PG.JIB3000.6HA	With activation	Max Capacity	kg	200
		MWP-2PG-S.JIB3000.6HA				
		MWP-2PG-A.JIB3000.6HA				
		MWP-2PG.JIB3000.6HA	Without activation	Max Capacity	kg	200
		MWP-2PG-S.JIB3000.6HA				
		MWP-2PG-A.JIB3000.6HA				

[1]: The load chart refers to the crane in deflection condition.
[2]: The crane is equipped with LMI. The maximum reachable distance may vary by about 1 m.
[3]: The maximum reachable distance can be reached by extending the JIB first and then extending the boom.

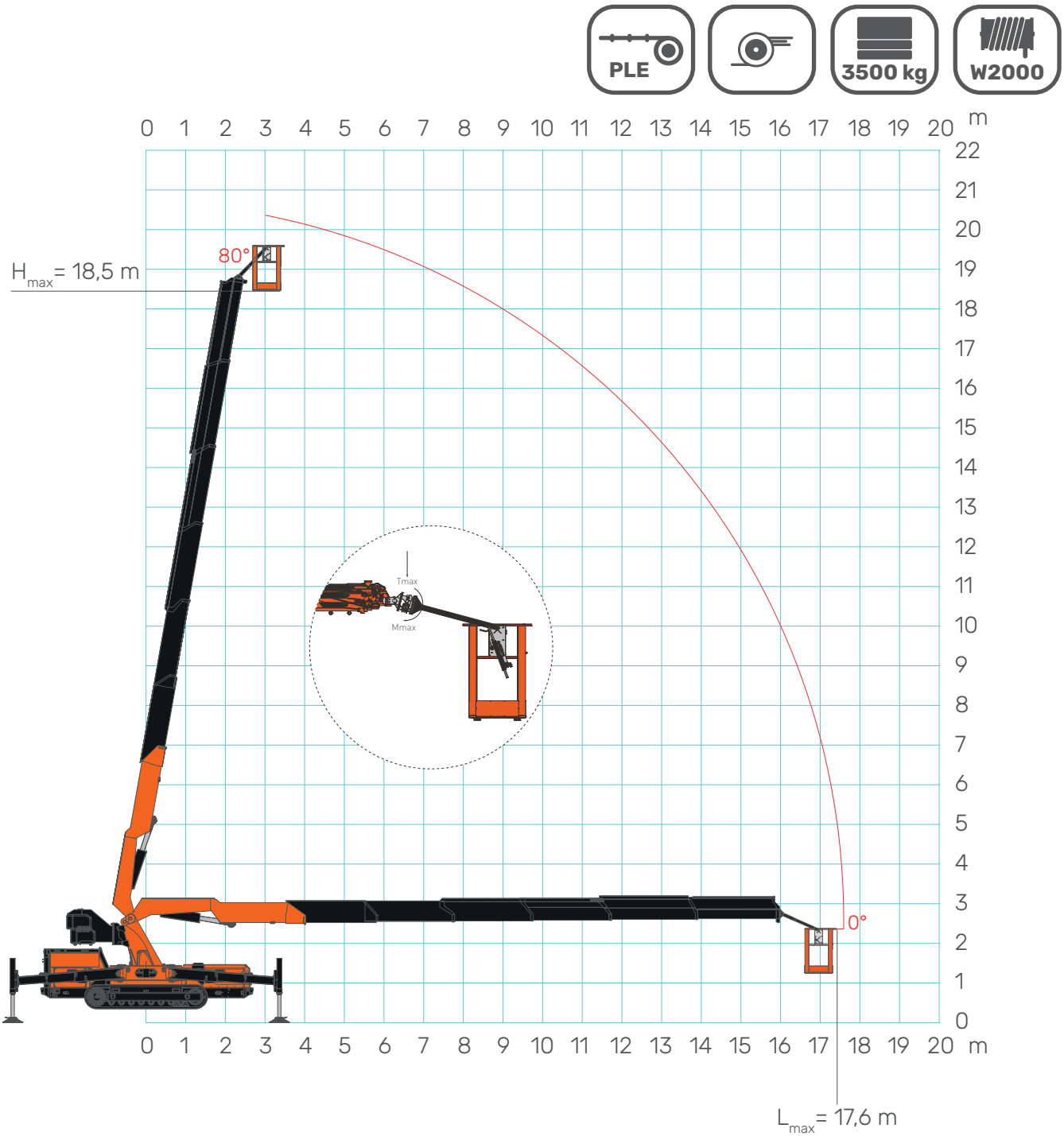


PLE		MWP-2PGR.JIB3000.6HA	With activation	Max Capacity	kg	200
		MWP-2PGR-S.JIB3000.6HA				
		MWP-2PGR-A.JIB3000.6HA				
		MWP-2PGR-VE.JIB3000.6HA				
		MWP-2PGR.JIB3000.6HA	Without activation	Max Capacity	kg	200
		MWP-2PGR-S.JIB3000.6HA				
		MWP-2PGR-A.JIB3000.6HA				
		MWP-2PGR-VE.JIB3000.6HA				

[1]: The load chart refers to the crane in deflection condition.
[2]: The crane is equipped with LMI. The maximum reachable distance may vary by about 1 m.
[3]: The maximum reachable distance can be reached by extending the JIB first and then extending the boom.

JF545.2

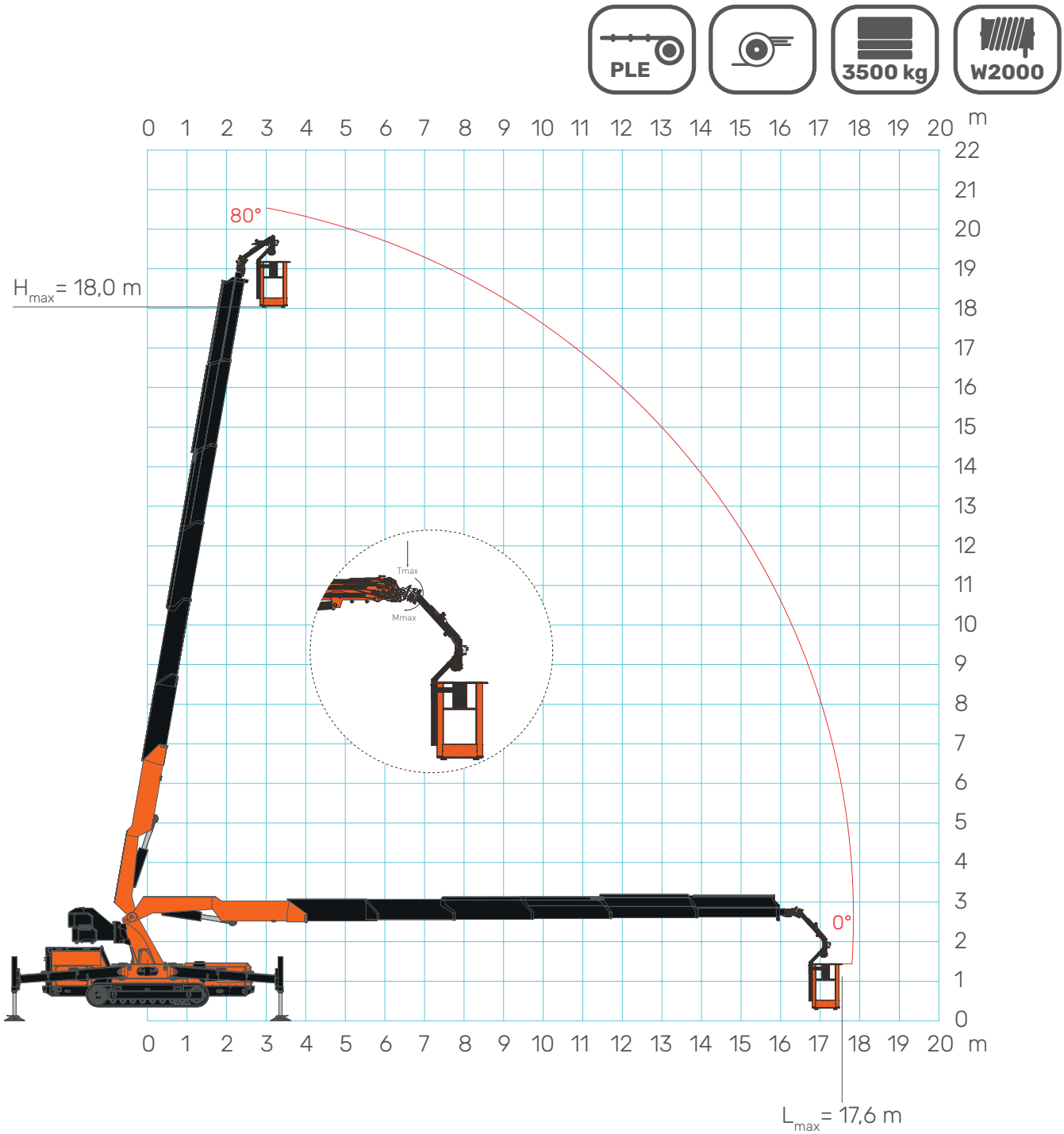
Two-men basket diagram - Main boom



PLE				
	MWP-2PG.JF545.2	Max capacity	kg	200

[1]: The load chart refers to the crane in deflection condition.

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



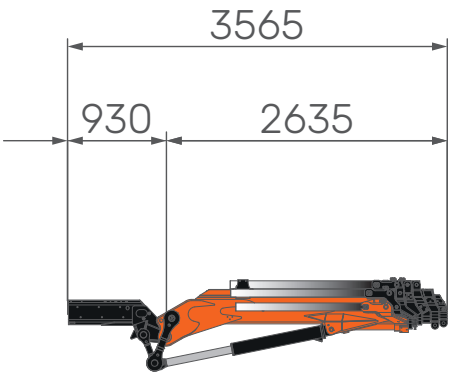
PLE				
	MWP-2PGR.JF545.2	Max capacity	kg	200

[1]: The load chart refers to the crane in deflection condition.
[2]: The crane is equipped with LMI. The maximum reachable distance may vary by about 1 m.

ACCESSORIES

JIB3000.6HA



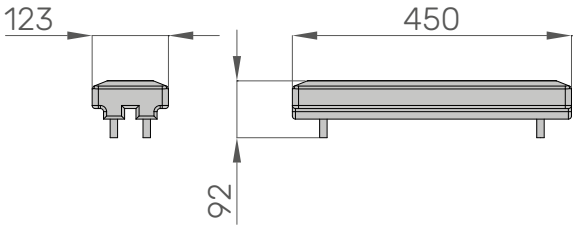


WEIGHT

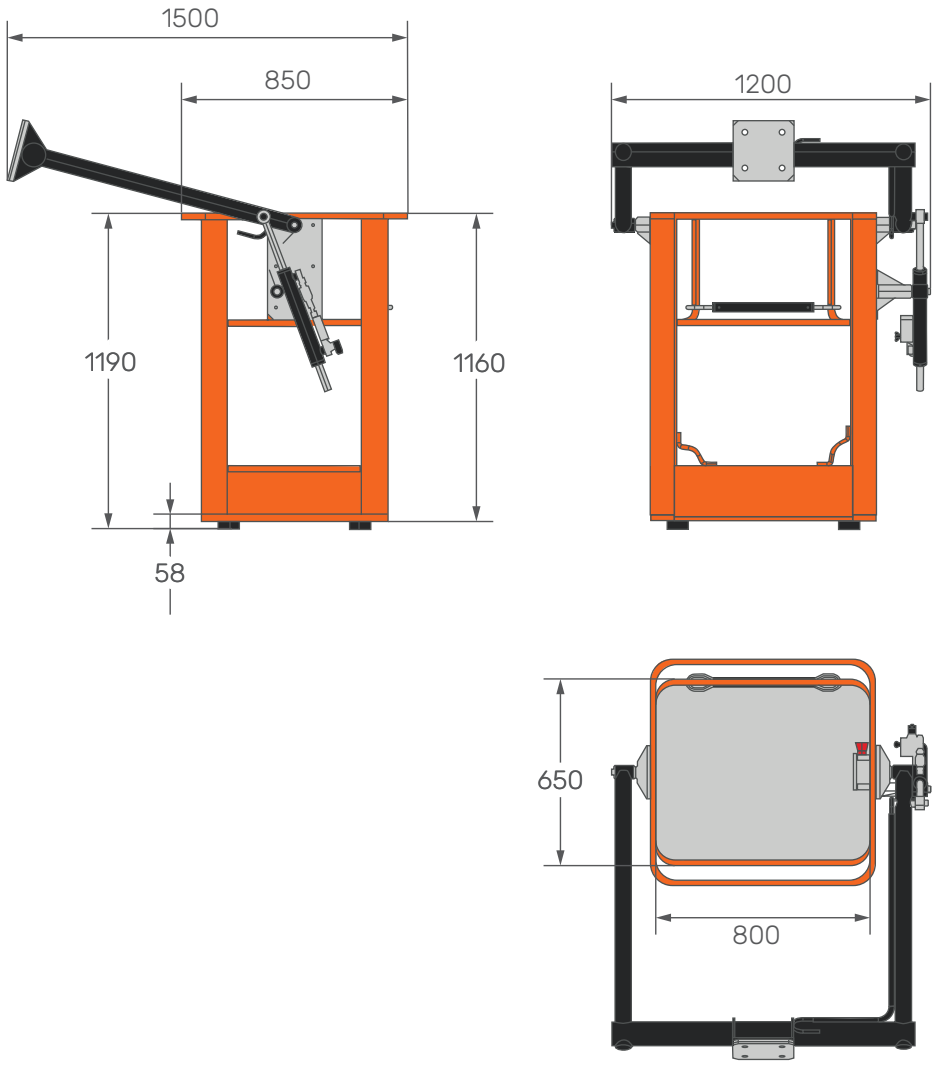
JIB	JIB3000.6HA	With activation	kg	1.260
		Without activation		1.140

[mm]

MTP-JFM



MWP-1PG.JIB3000.6HA



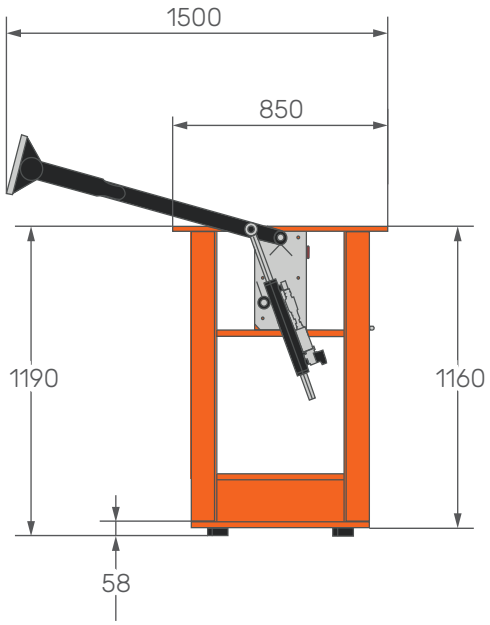
WEIGHT					
		PLE	MWP-1PG.JIB3000.6HA	kg	133

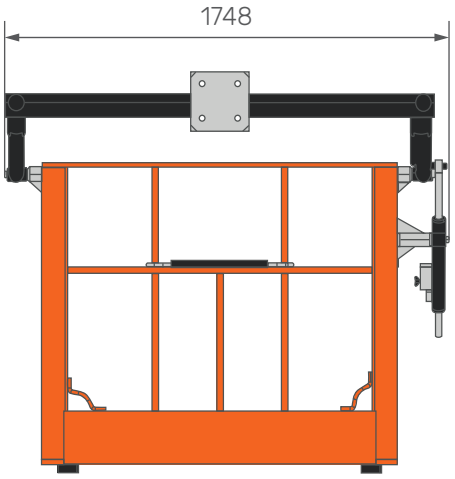
[mm]

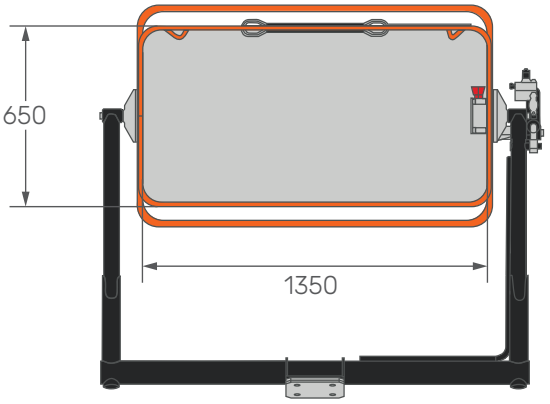
JF545.2

Two-men basket features

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





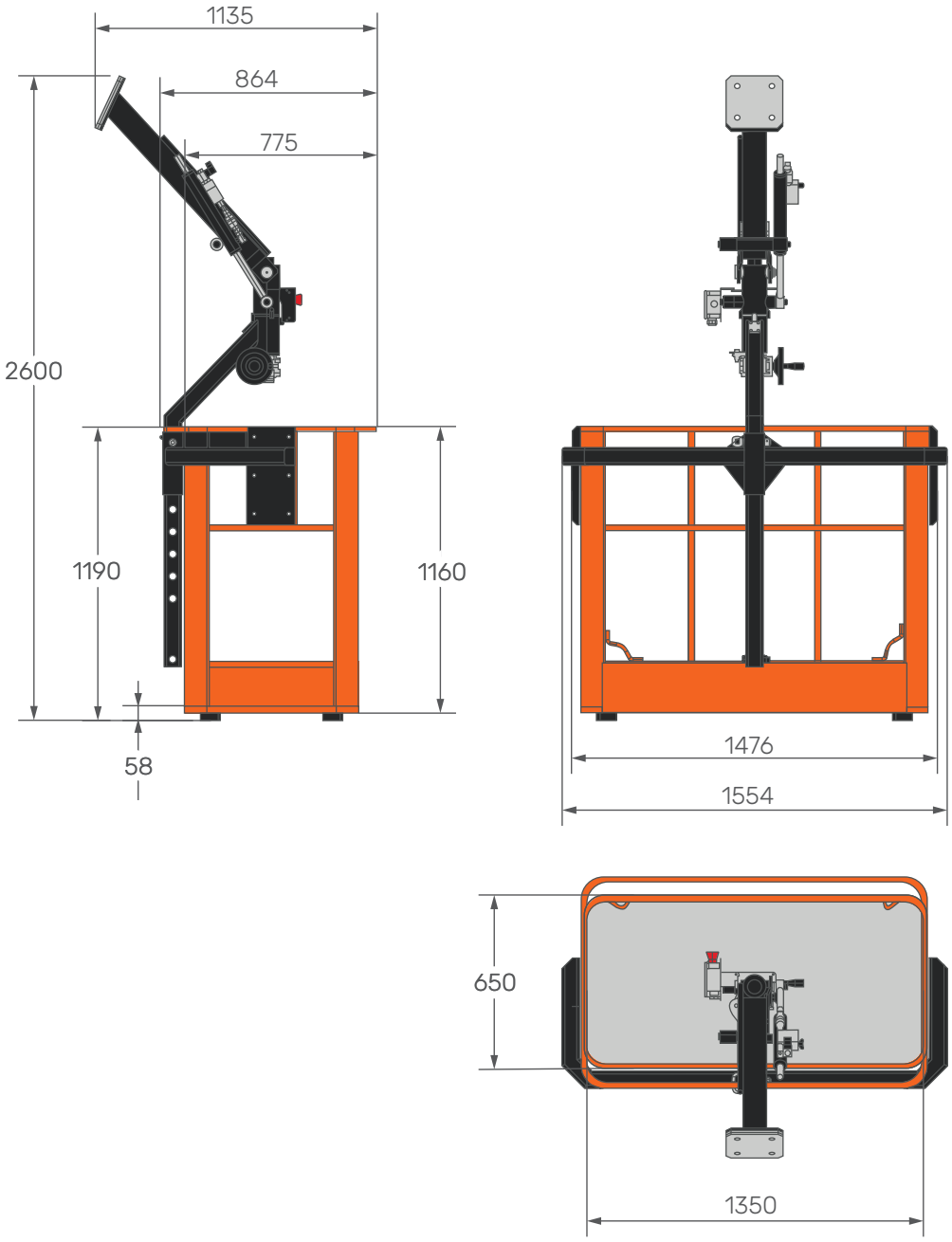


WEIGHT

PLE	MWP-2PG.JIB3000.6HA	kg	160
	MWP-2PG-A.JIB3000.6HA		133
	MWP-2PG-S.JIB3000.6HA		149

[mm]

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



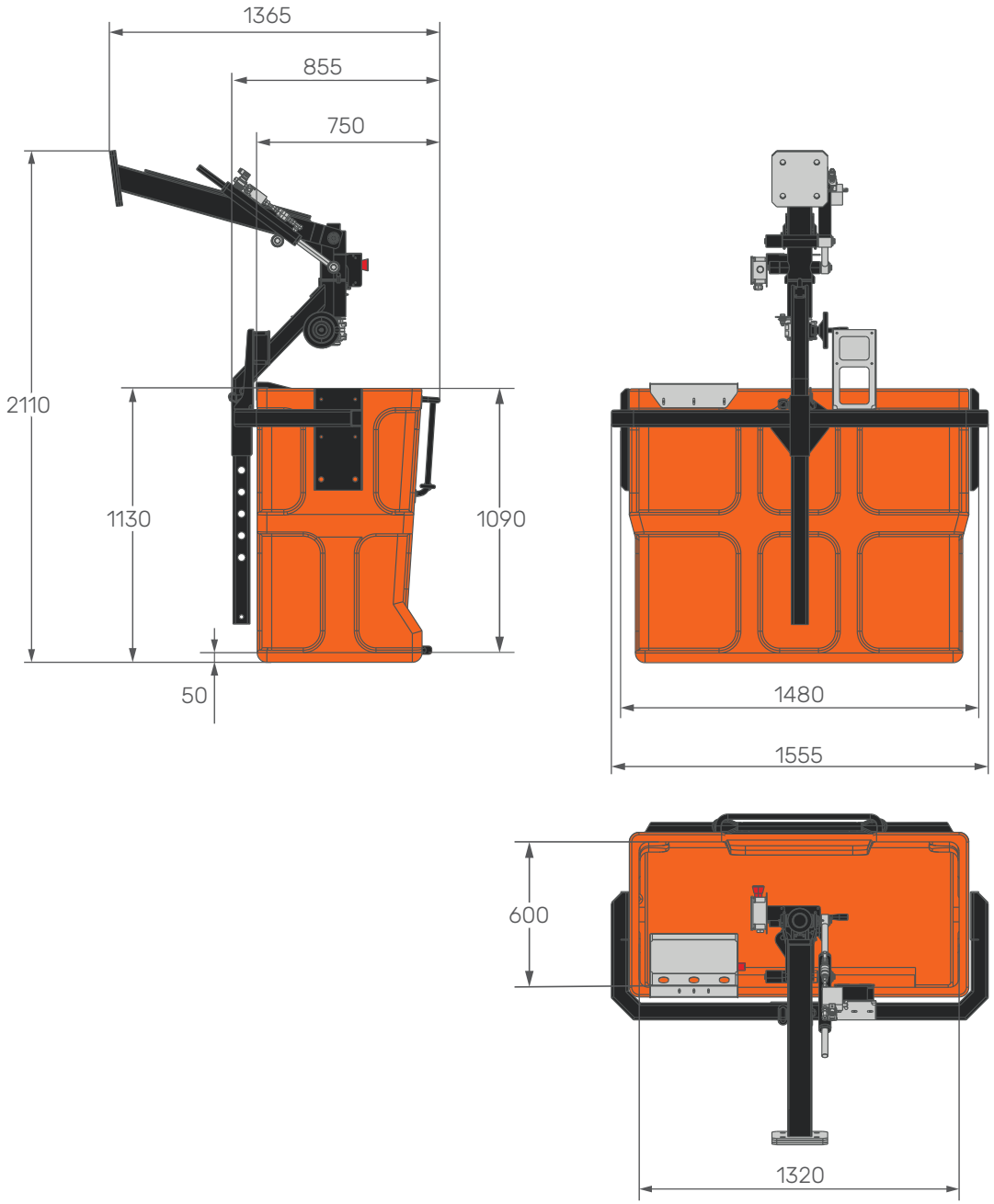
WEIGHT				
PLE	MWP-2PGR.JIB3000.6HA	kg	207
	MWP-2PGR-A.JIB3000.6HA		173
	MWP-2PGR-S.JIB3000.6HA		190

[mm]

JF545.2

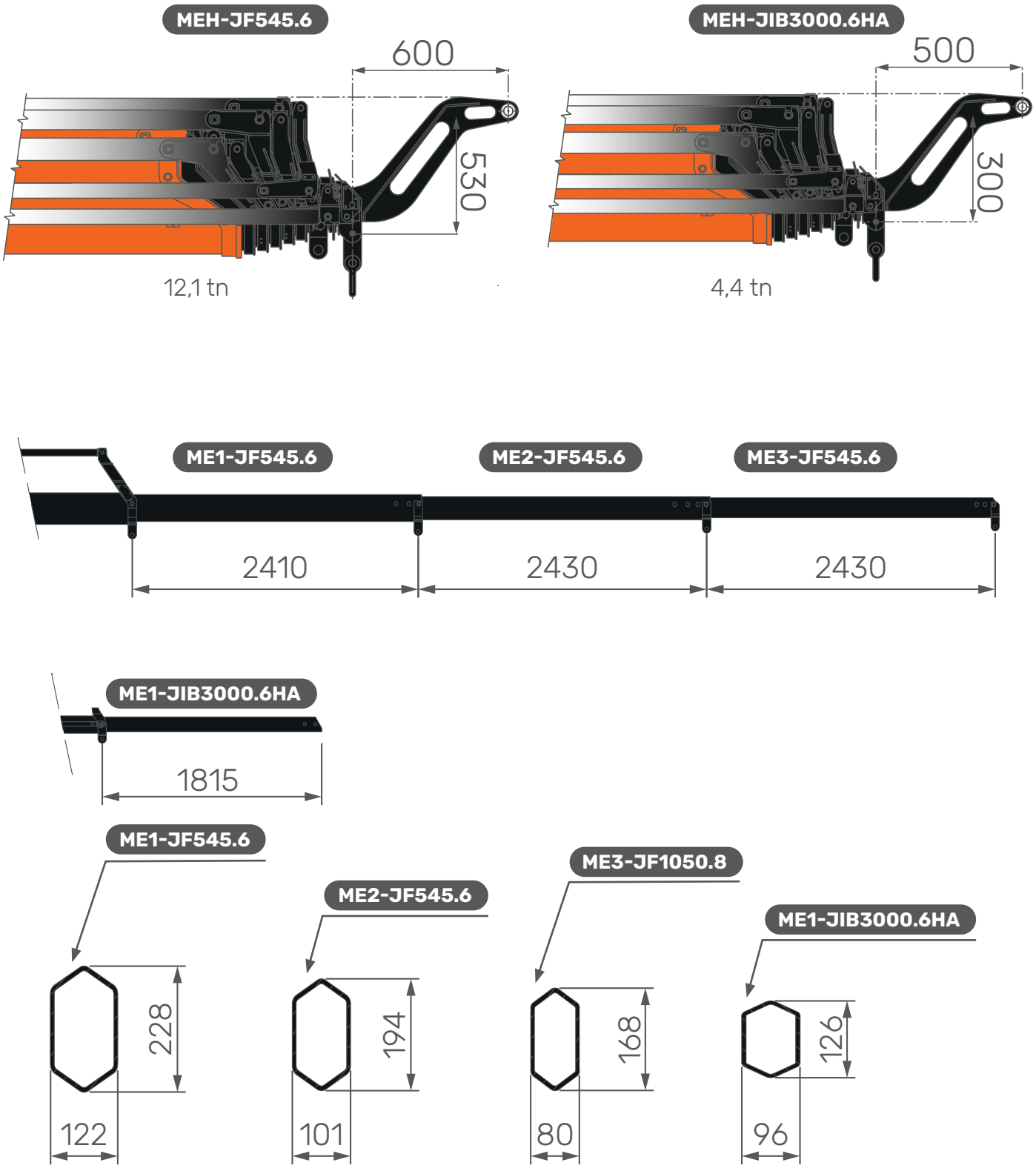
Two-men rotating basket features

MWP-2PGR-VE.JIB3000.6HA



WEIGHT					
		PLE	MWP-2PGR-VE.JIB3000.6HA	kg	185

[mm]


MEH-JF545.6
600
530
12,1 tn
MEH-JIB3000.6HA
500
300
4,4 tn
ME1-JF545.6
ME2-JF545.6
ME3-JF545.6
2410
2430
2430
ME1-JIB3000.6HA
1815
ME1-JF545.6
ME2-JF545.6
ME3-JF1050.8
ME1-JIB3000.6HA
228
122
194
101
168
80
126
96

[mm]

SYMBOLS


Weight


Outriggers Mats


Main Boom Lifting


Hydraulic System


Crane


Engine


Boom Length


Electric System


Travel Speed



Powerpack


Jib


Working Temperature


Gradeability



Maximum Capacity


Turret Slewing


Hydraulic Activation


Track Load



Maximum Outriggers Load


Winch


Hook


Sound Emissions


Maximum Wind Speed in Working Conditions


Hookblock


Manual Extensions


Low Marking Pads



PLE Activation


PLE



Jib Dual Power


Electric motorization


Battery

Load limited by LMI

Load to be limited by the operator

Load to be verified and limited by the operator

Max. moment

LOAD CHARTS REMARKS

- HC1 HD4 S2 lifting class, according to EN12999:2020 standard.
- Load capacities are given in kg.
- Hookblocks and hooks weight is part of the load, hence it shall be deducted from the capacity values.
- The working radius is measured form the turret slewing centre.
- The supplied Technical Data is part of the Use & Maintenance Manual.
- Features and specifications may change without prior advice.
- All indicated data are for informational purposes only and are not binding as the crane performs differently depending on its use.

SERIAL NUMBER:

27.11.2026 | REV1.0

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