# Technical Data

Specifications & Capacities

# JF545.2

Translation of the original instructions

**[m] [kg]**

04.11.2026 | REV1.0

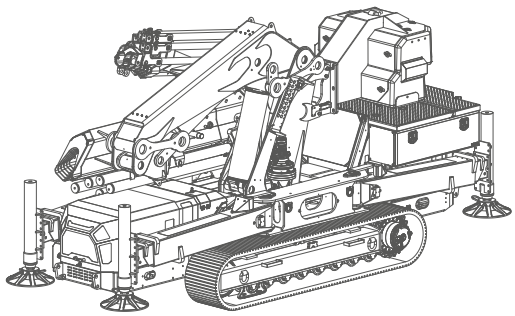
CE

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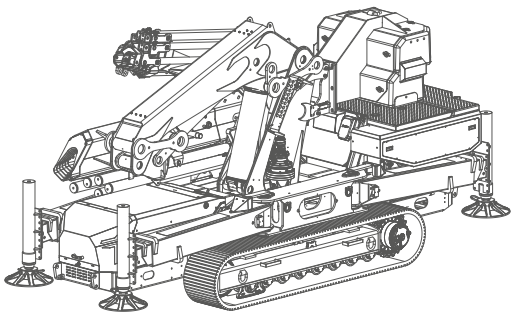
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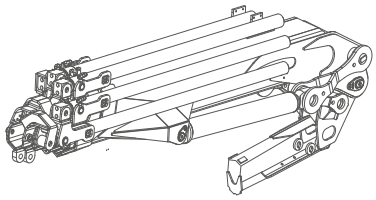
# CRANE CONFIGURATION



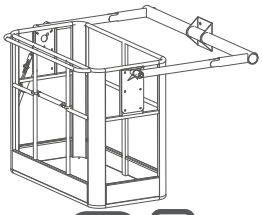
JF545.2 CDH ☐



JF545.2 CL ☐

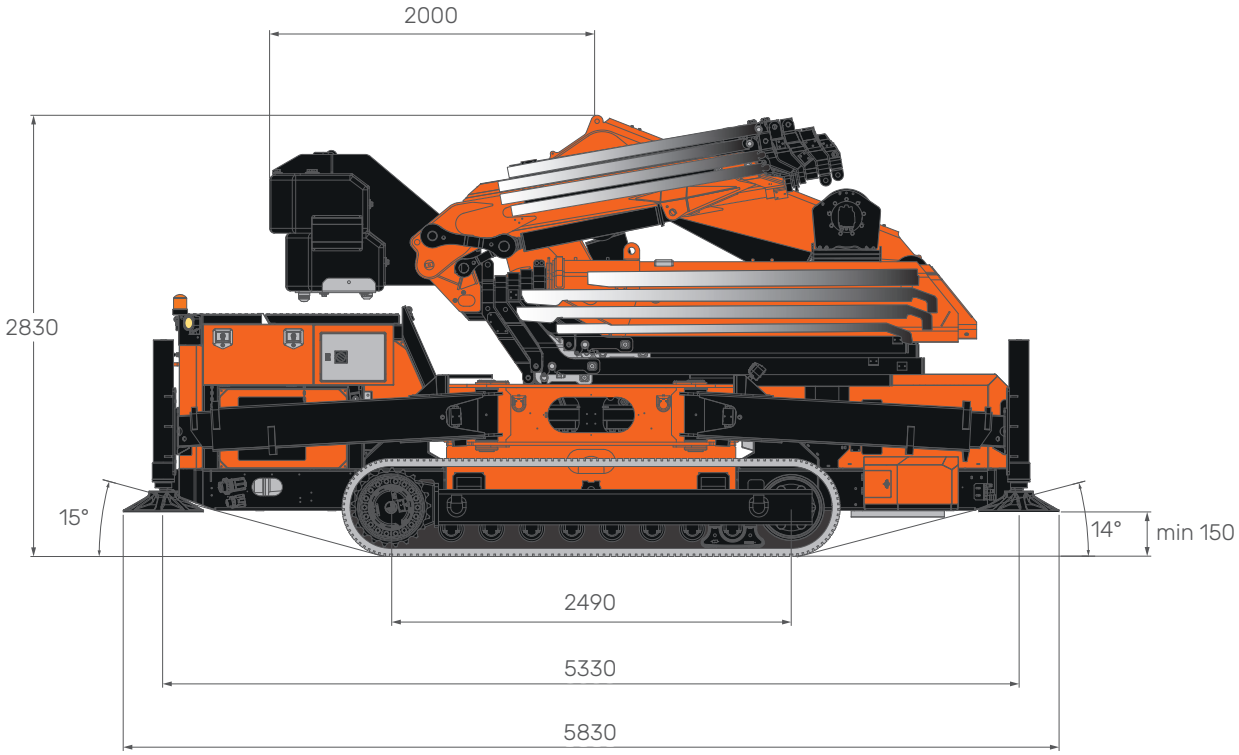


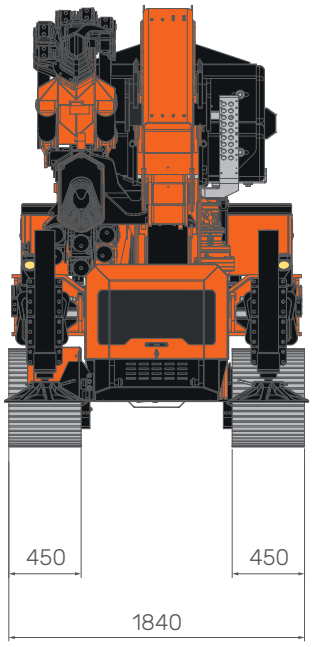
JIB3000.6HA ☐



PLE ☐

## 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 | 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 informations



## 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 |

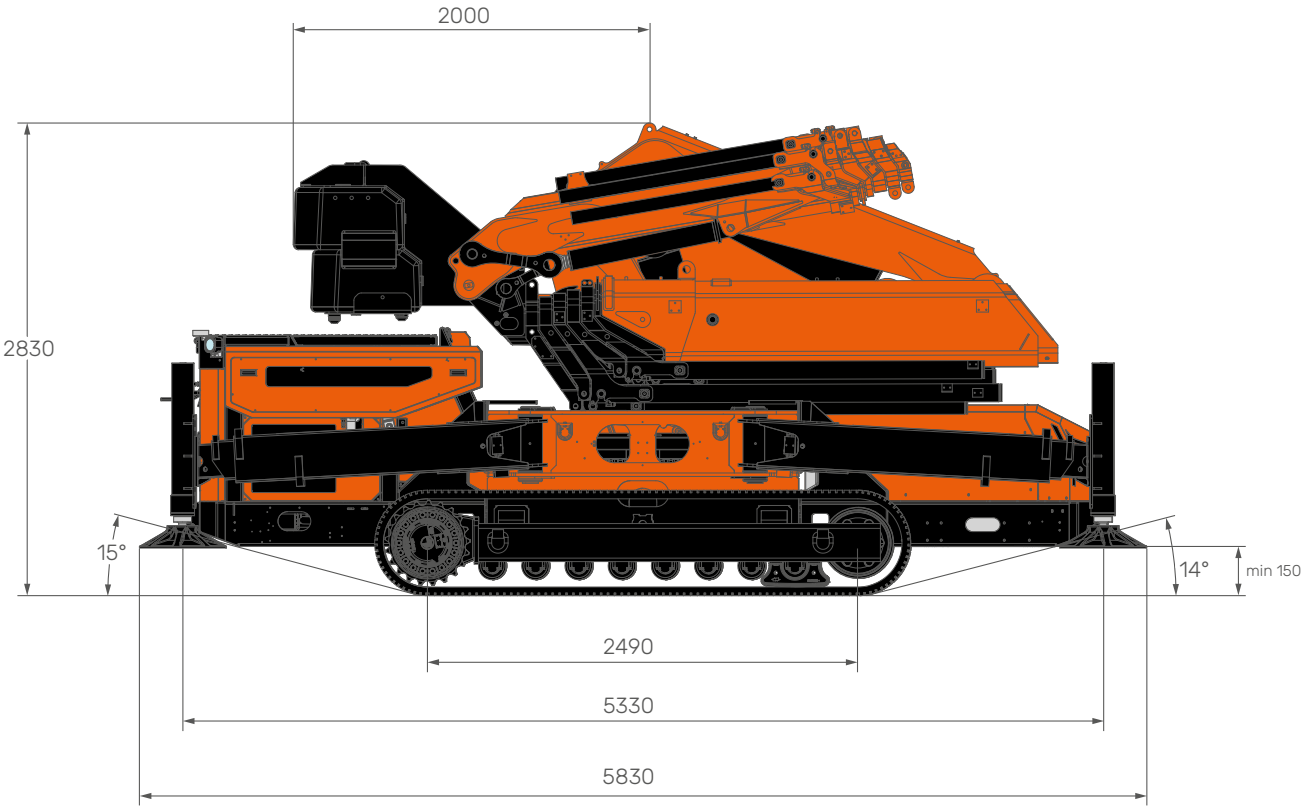
## POWERPACK

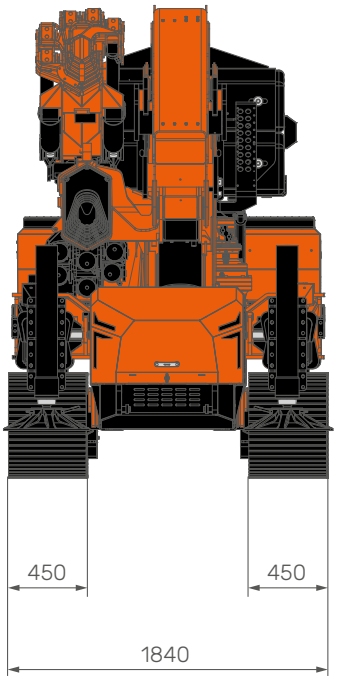
| | | | | |
|---|---|---|---|---|
| POWER SUPPLY | PP400.13-JFM (CE) | 3 PH + N + PE | | |
| | PP480.13-JFM (UL-CSA) | 3 PH + PE | | |
| POWERPACK | PP400.13-JFM (CE) | Tension | V | 400 |
| | | Frequency | Hz | 50 |
| | | Motor Power | kW | 13,5 |
| | PP480.13-JFM (UL-CSA) | Tension | V | 480 |
| | | 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 informations



## 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**



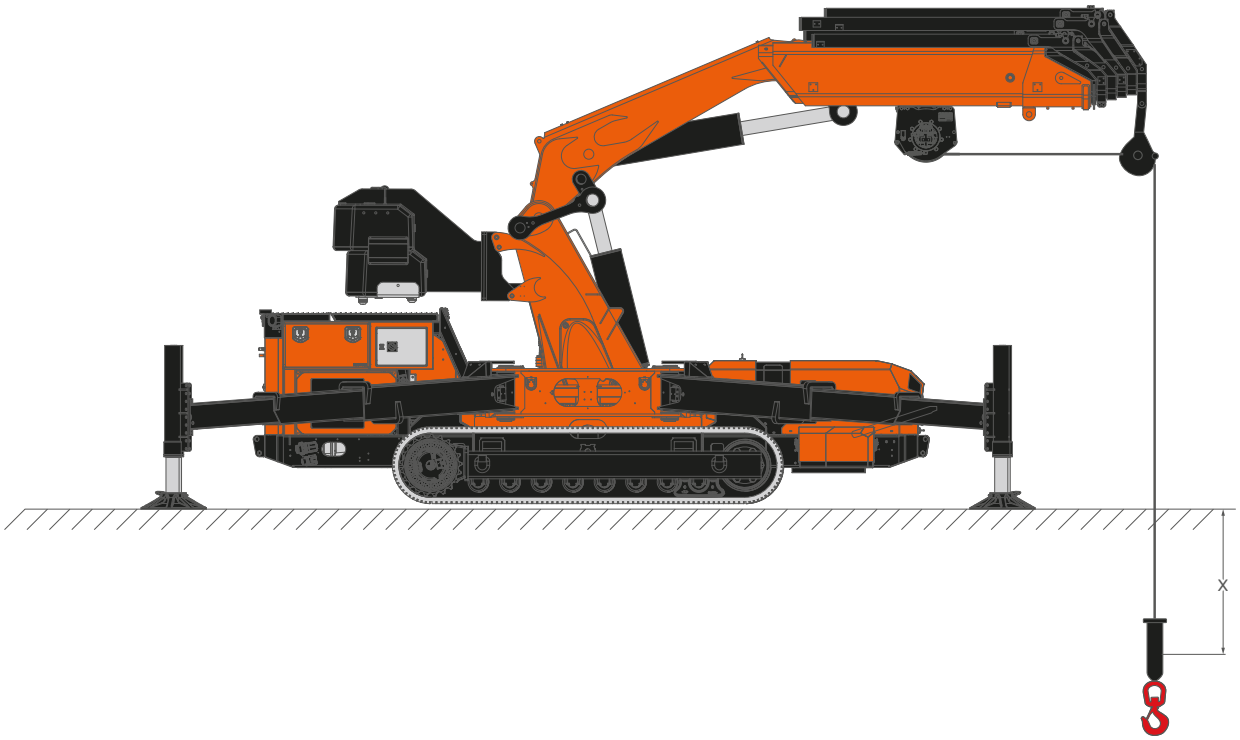
| LAYER | MAX PULL LINE | ROPE SPEED |
|---|---|---|
| | | STANDARD |
| | daN | m/min |
| 1 | 3.000[1] | 28 |
| 3 | -[1] | 36 |

**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

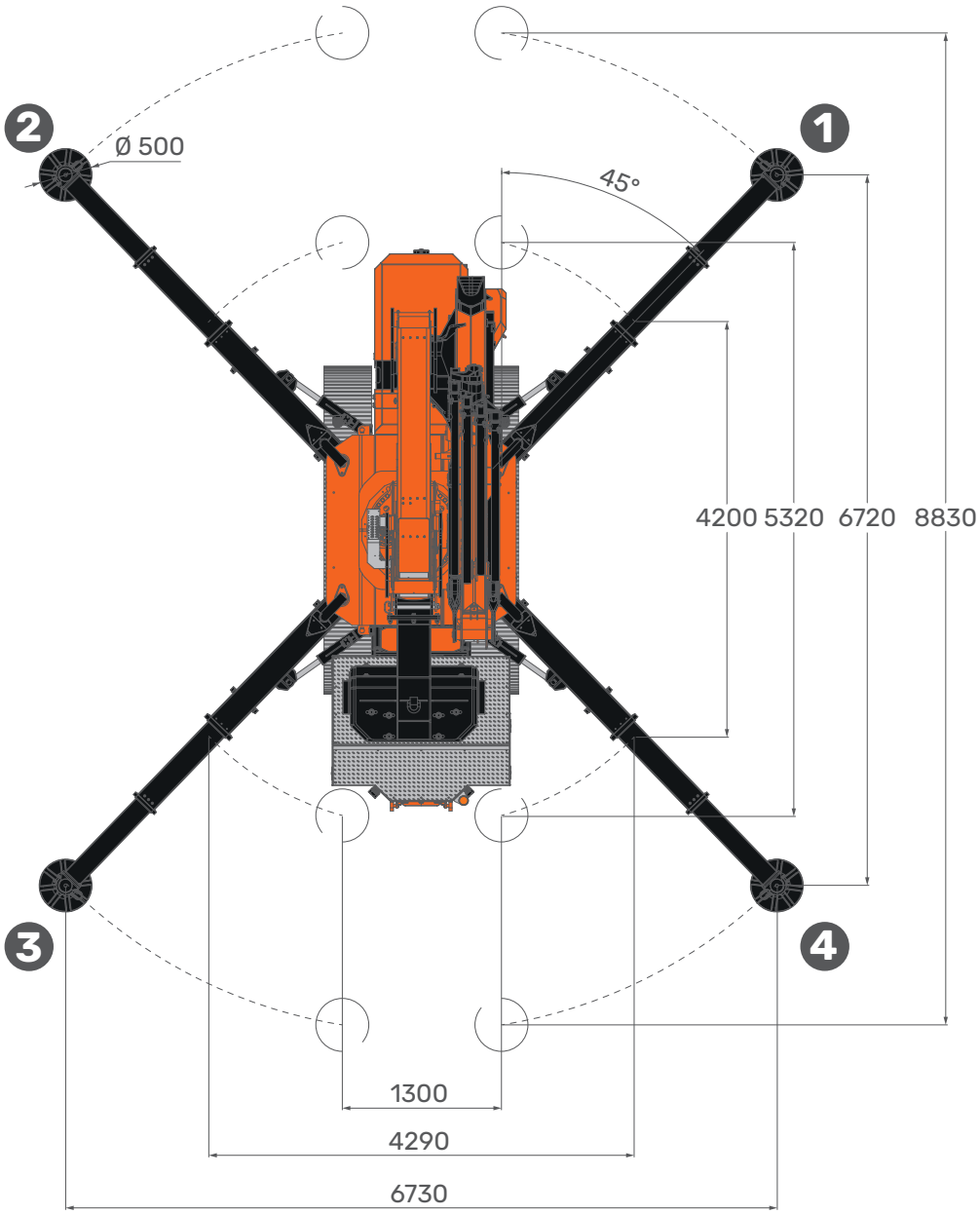



ROPE

| | | | | |
|---|---|---|---|---|
| W2000-JFM | Parts of Line | 1 | m | 50 |
| | | 3 | | 14 |

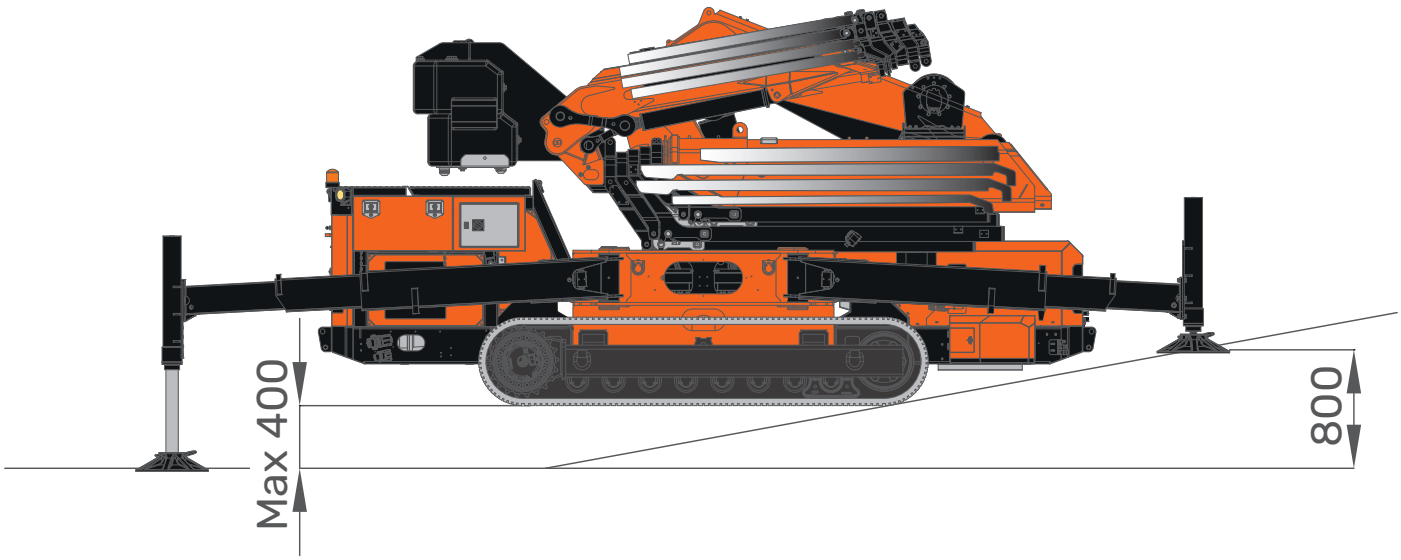
| | | | | |
|---|---|---|---|---|
| W3000-JFM-JFX | Parts of Line | 1 | m | 50 |
| | | 2 | | 23 |

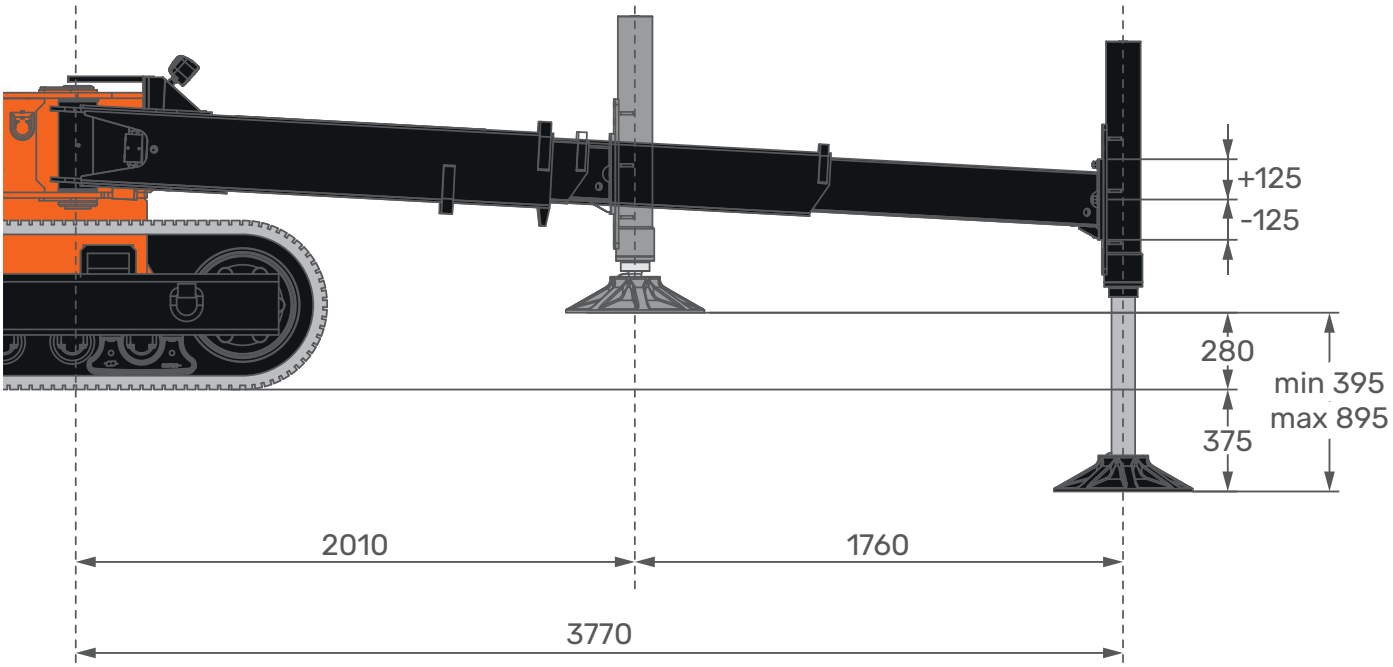
## STABILITY AREAS




[mm]

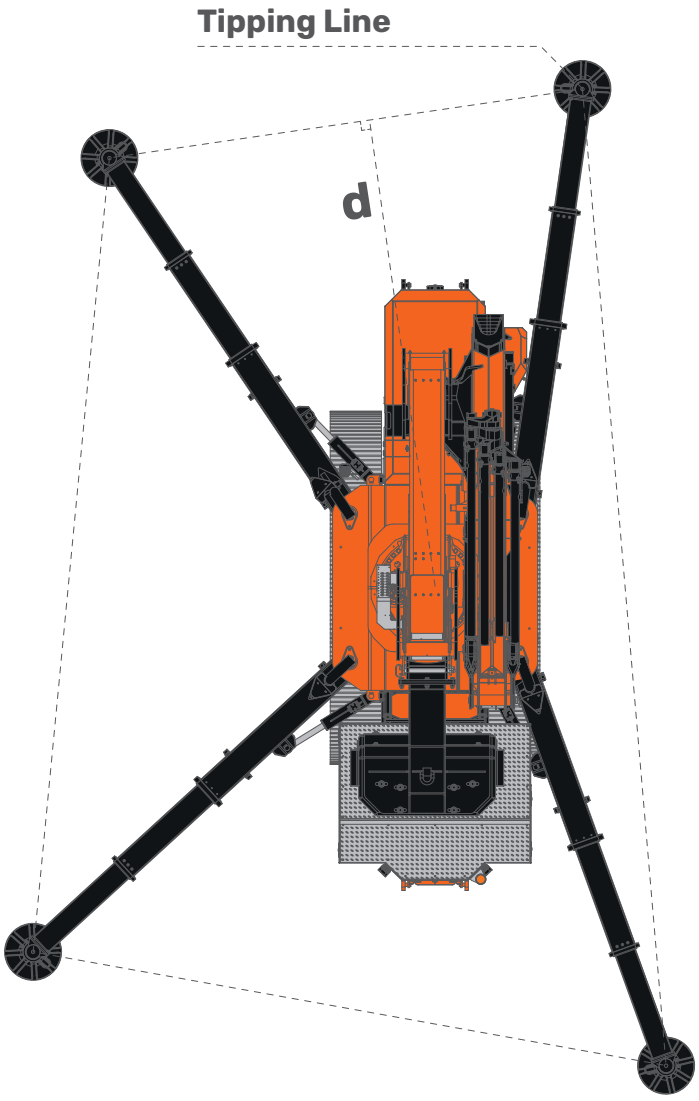
# OUTRIGGERS




**[mm]**

## TIPPING LINE

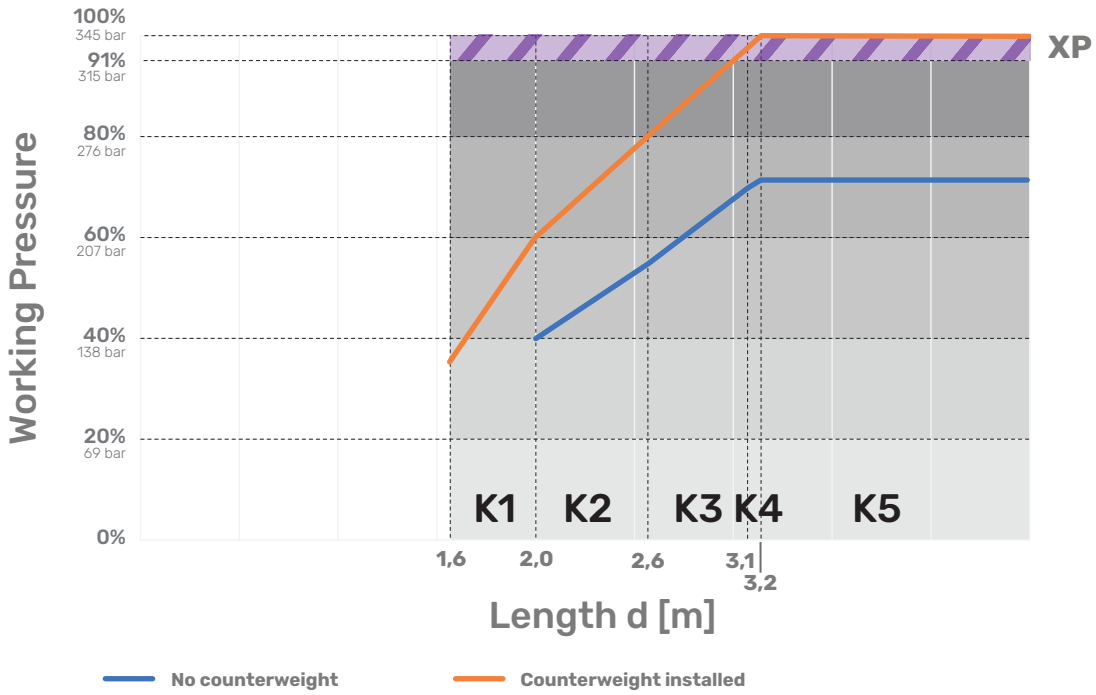


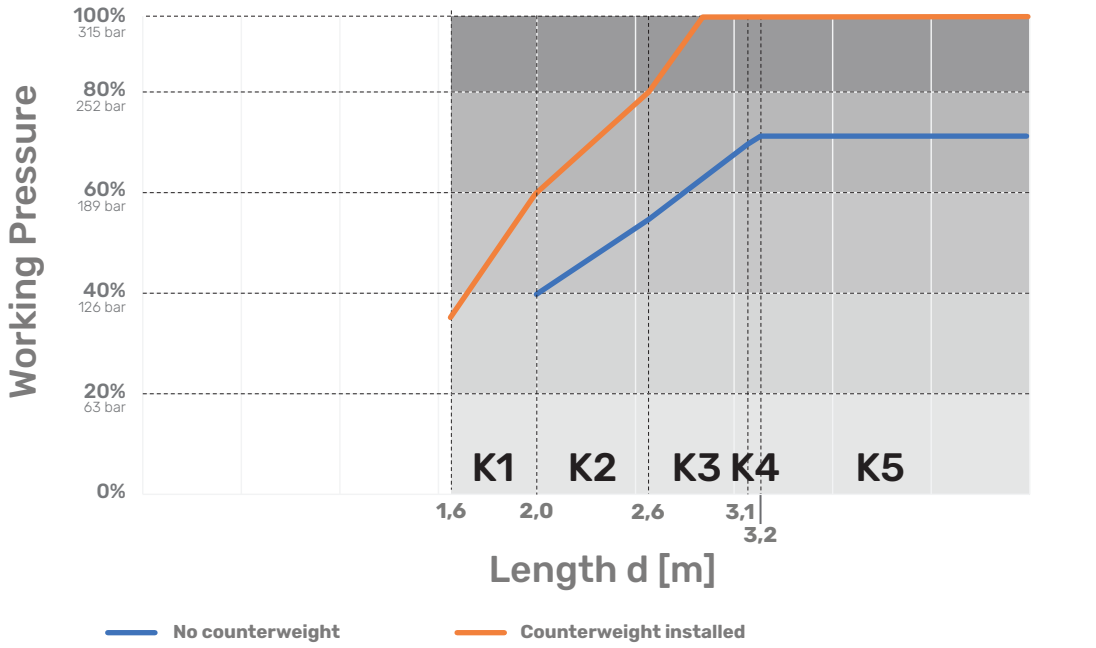

## LOAD CHART SELECTION

| 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 | - |

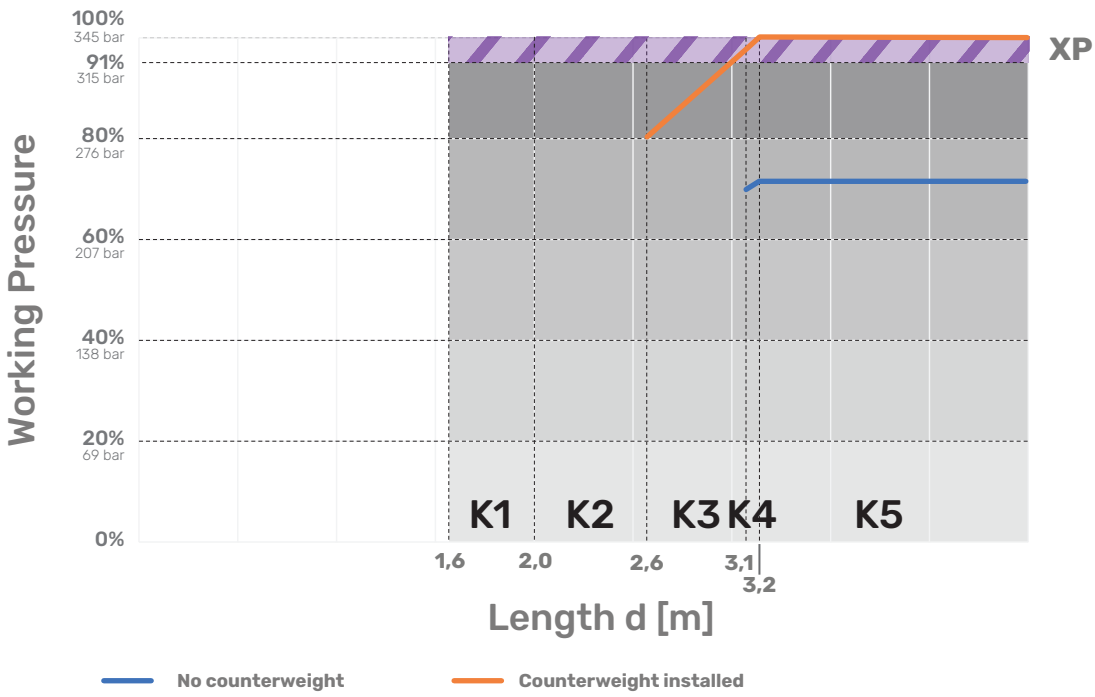
# PRESSURE CHARTS

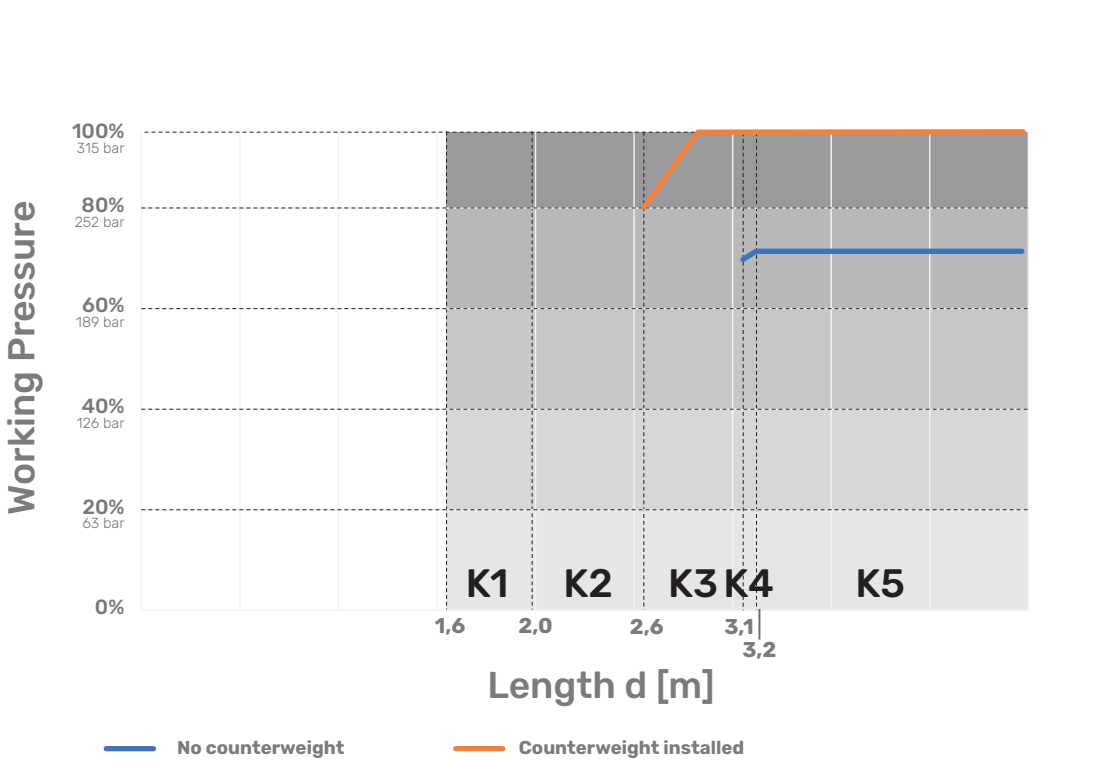
## MAIN BOOM



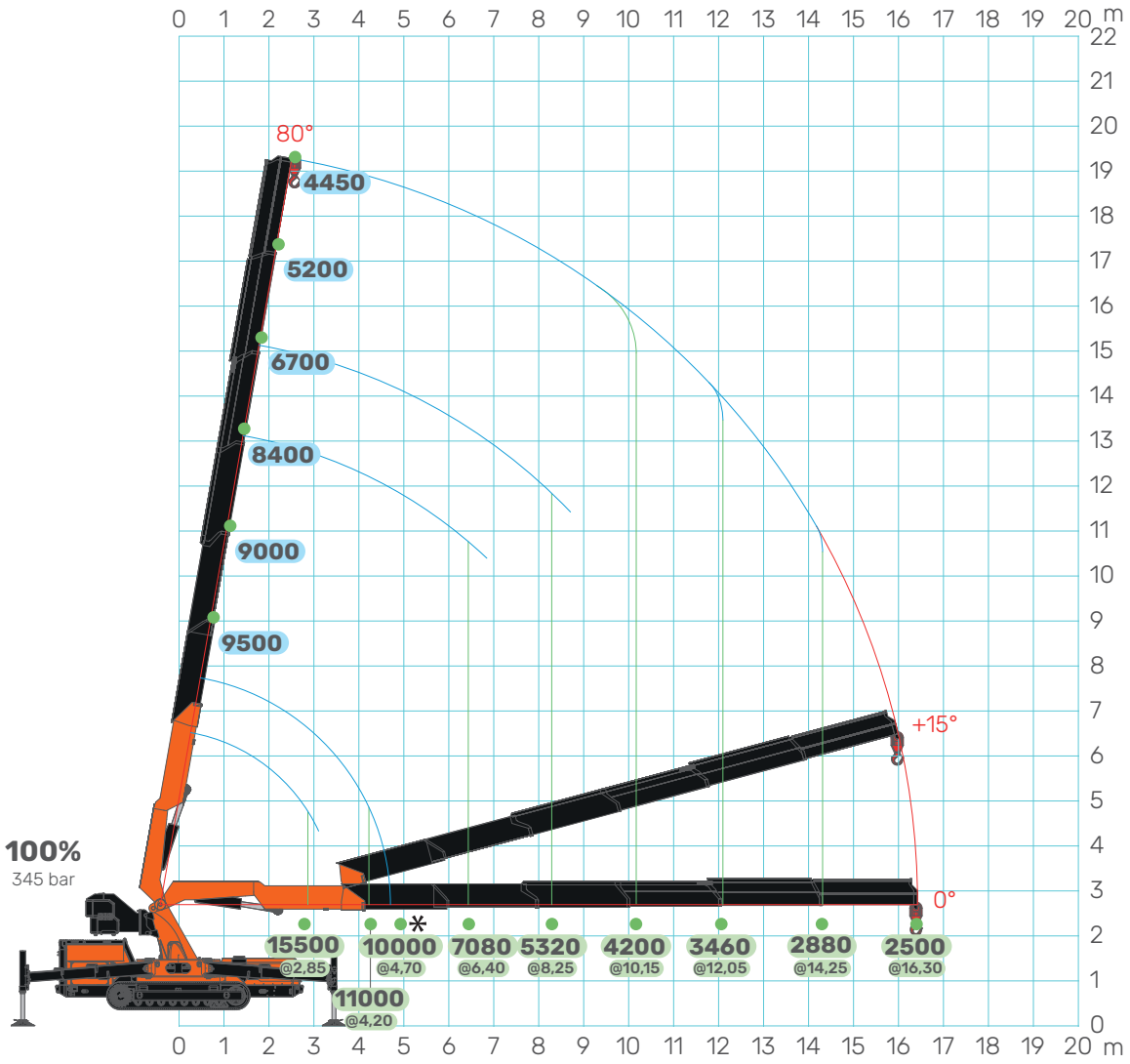
**JIB3000.6HA**


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

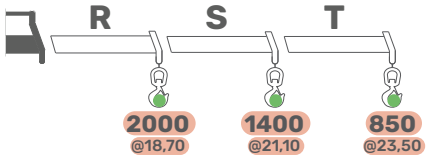
# MAIN BOOM

3500 kg







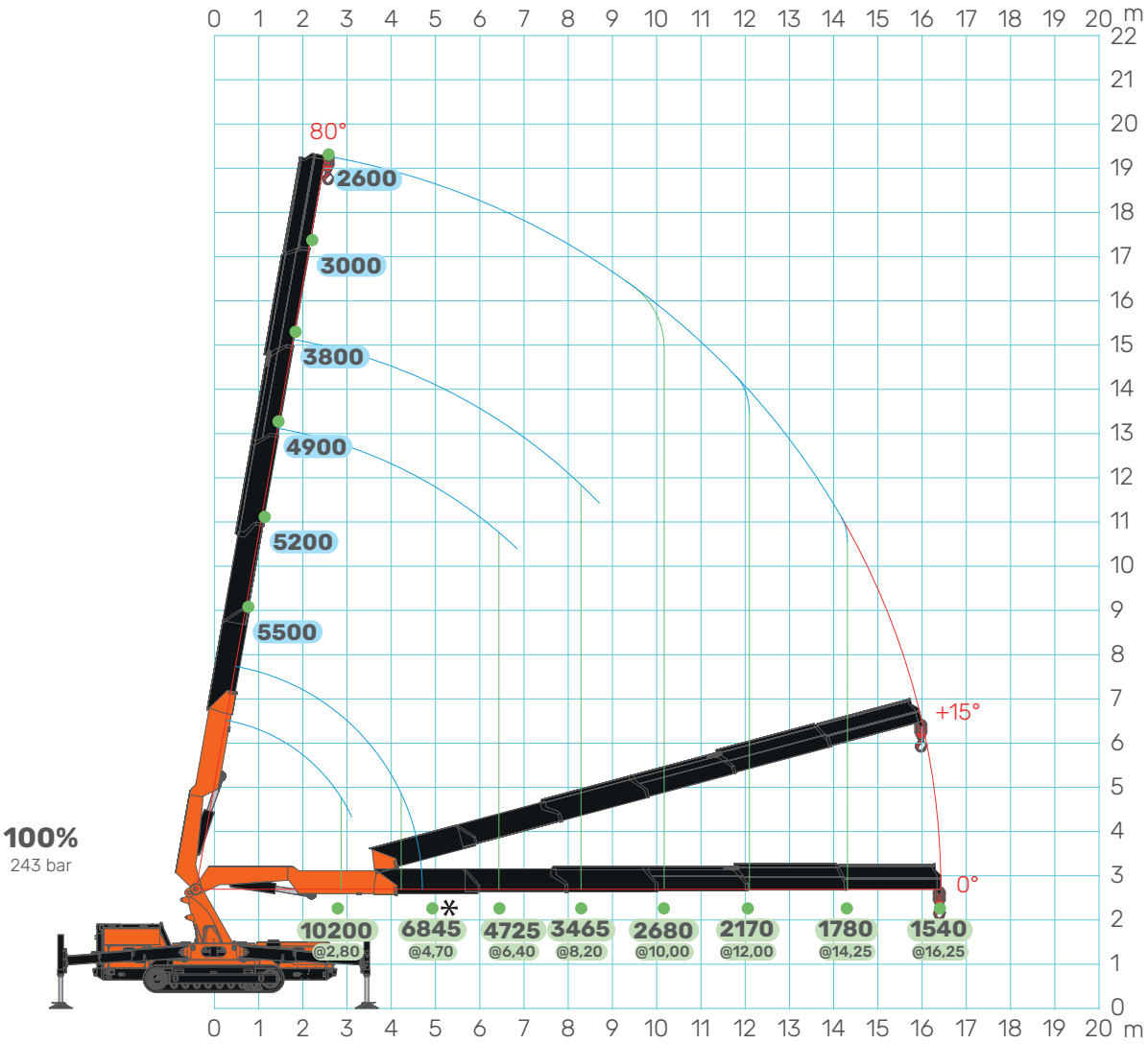


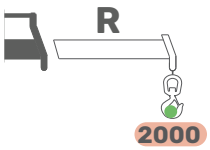

[m] [kg]

# JF545.2

Main boom diagram



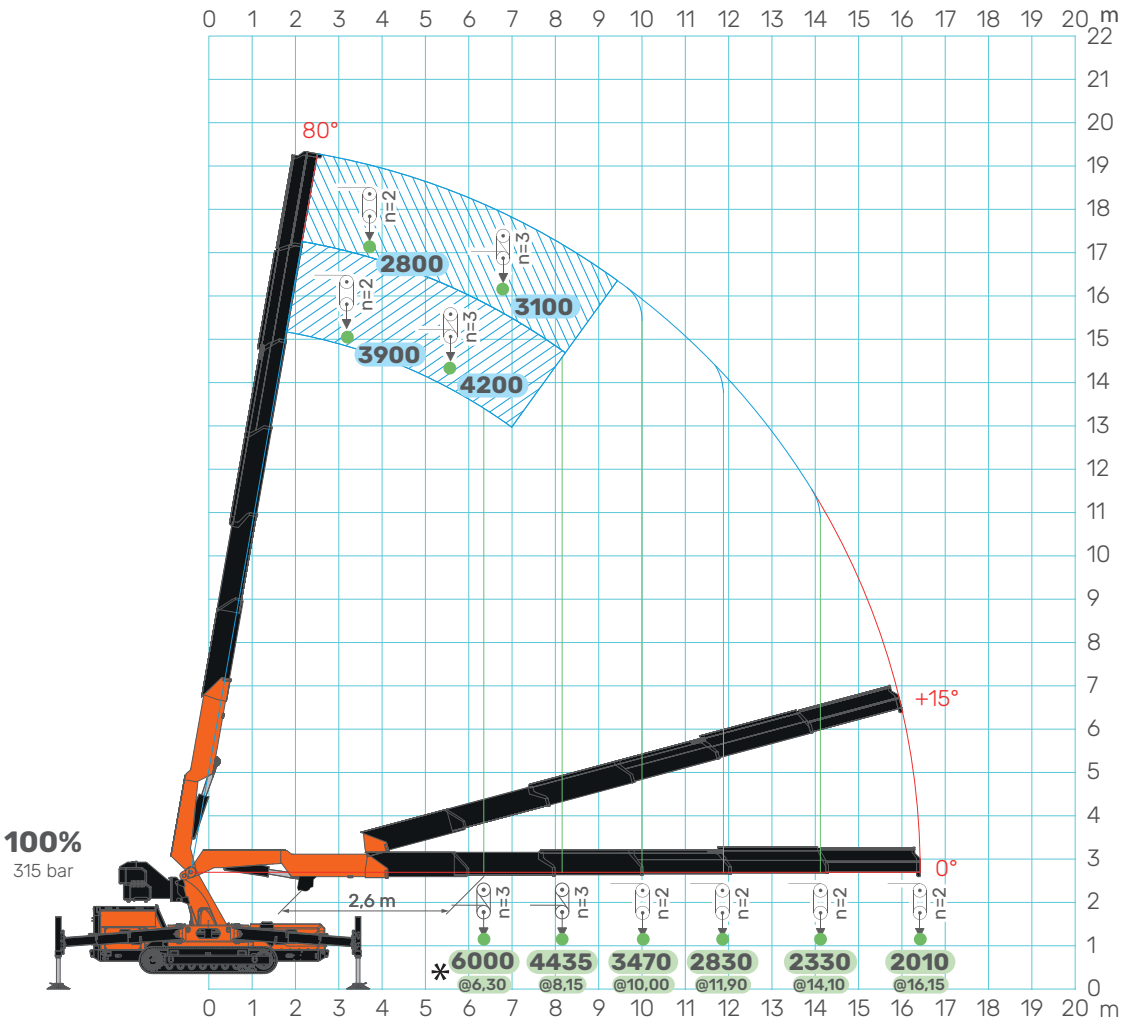



[m] [kg]

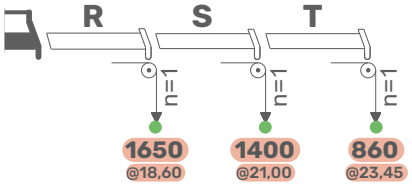
3500 kg

W2000









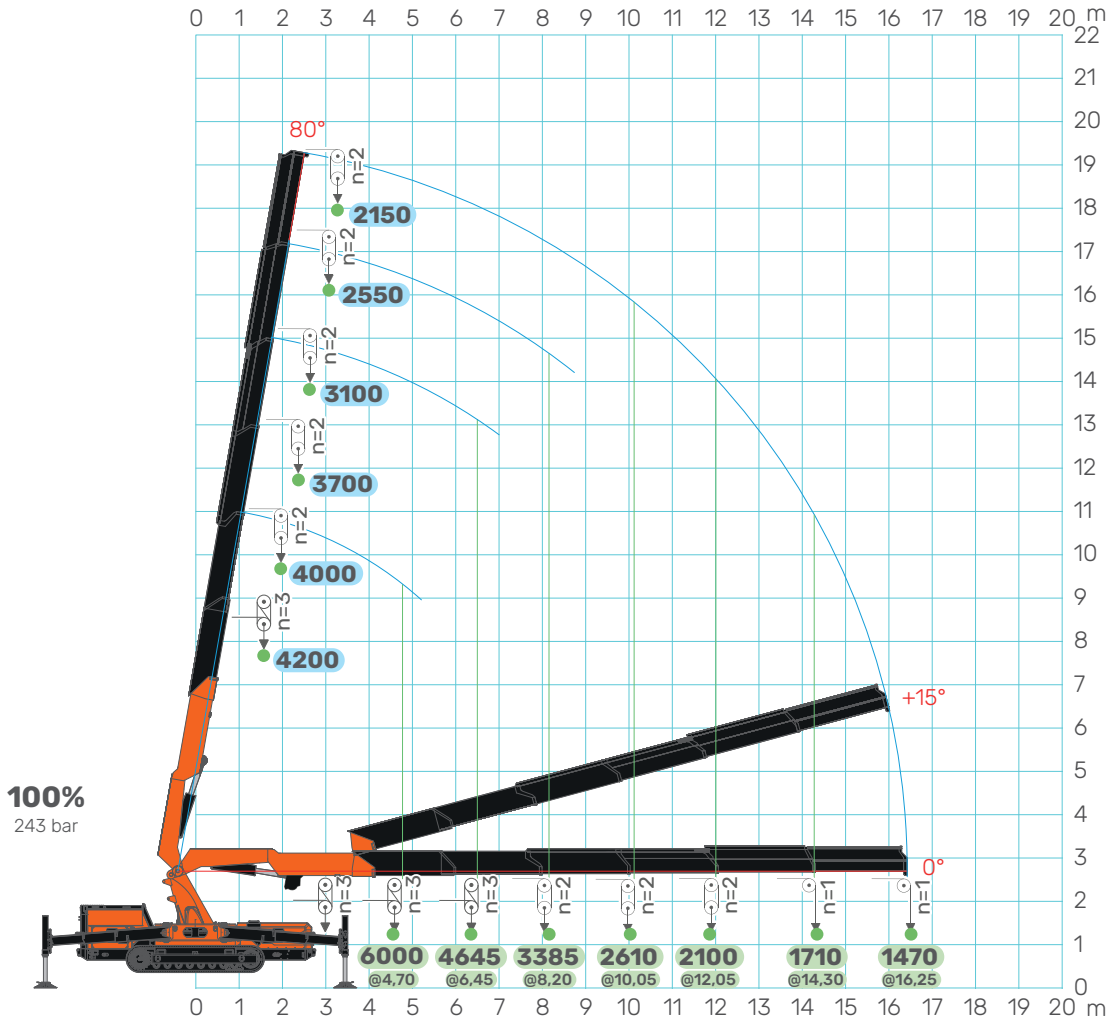

**[m] [kg]**

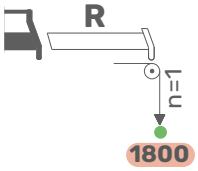
# JF545.2

Main boom diagram



W2000

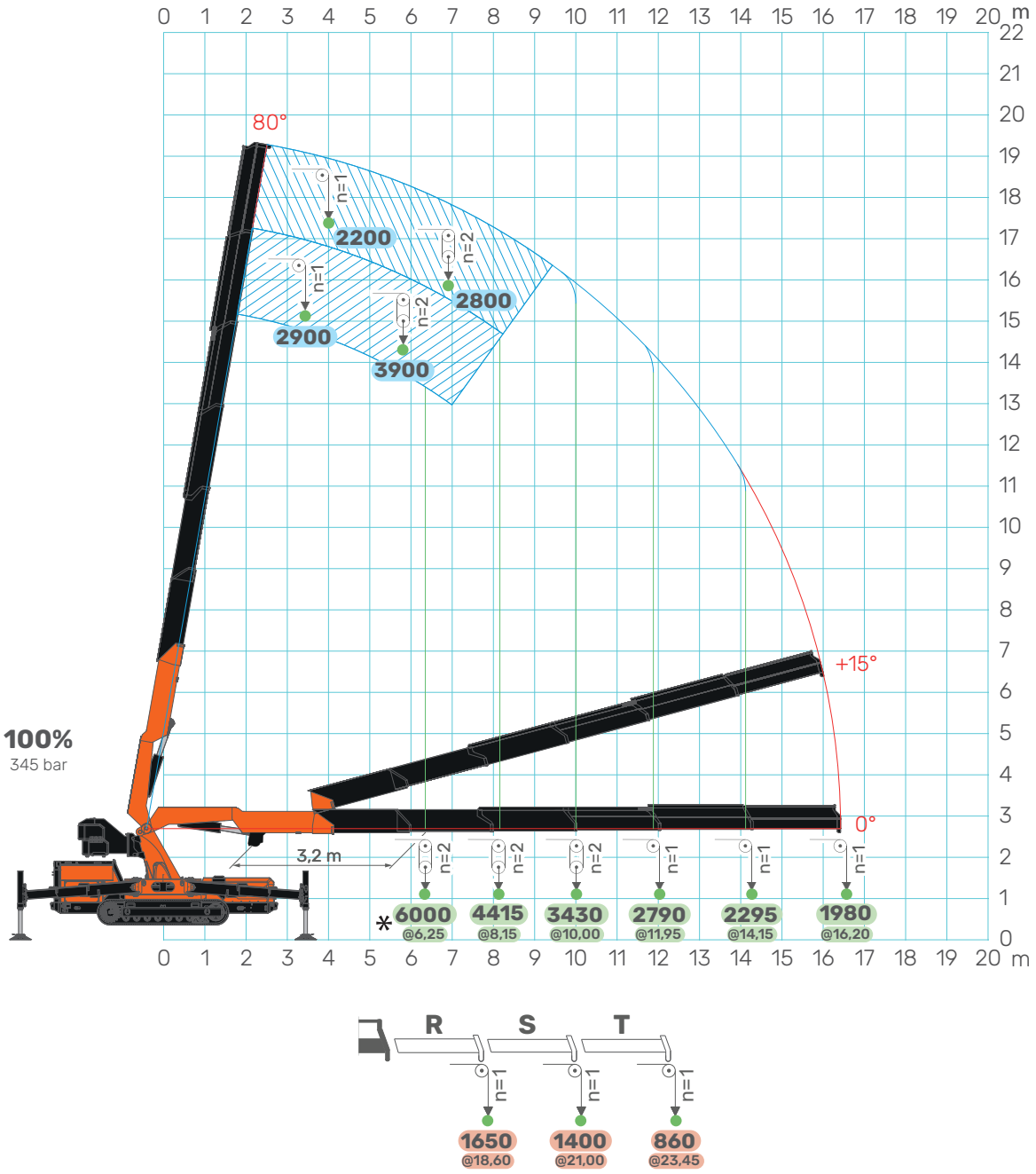



[m] [kg]

3500 kg

W3000







[m] [kg]

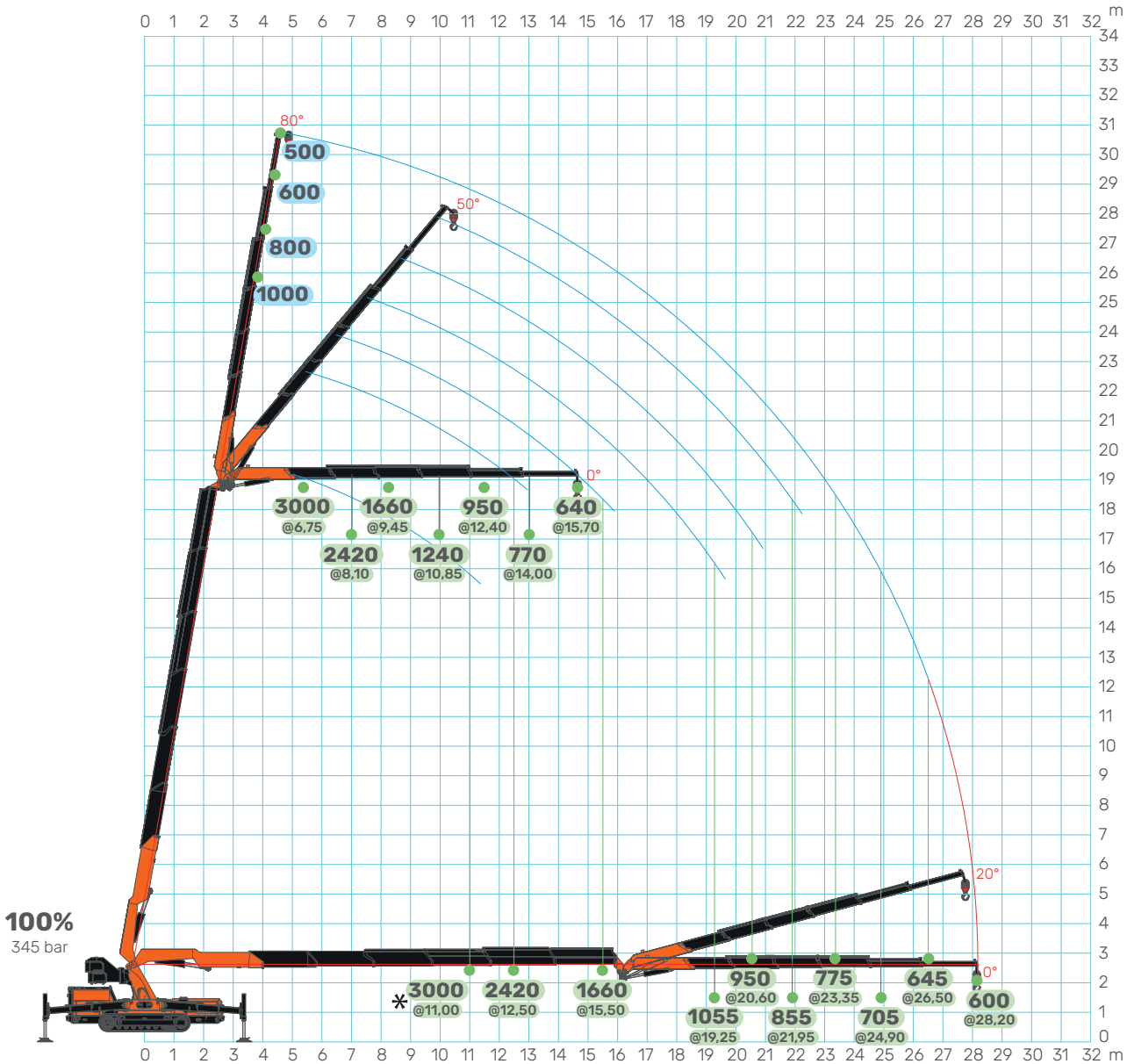
# JF545.2

JIB3000.6HA diagram



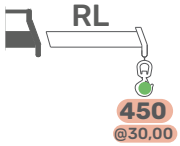
## JIB3000.6HA

3500 kg



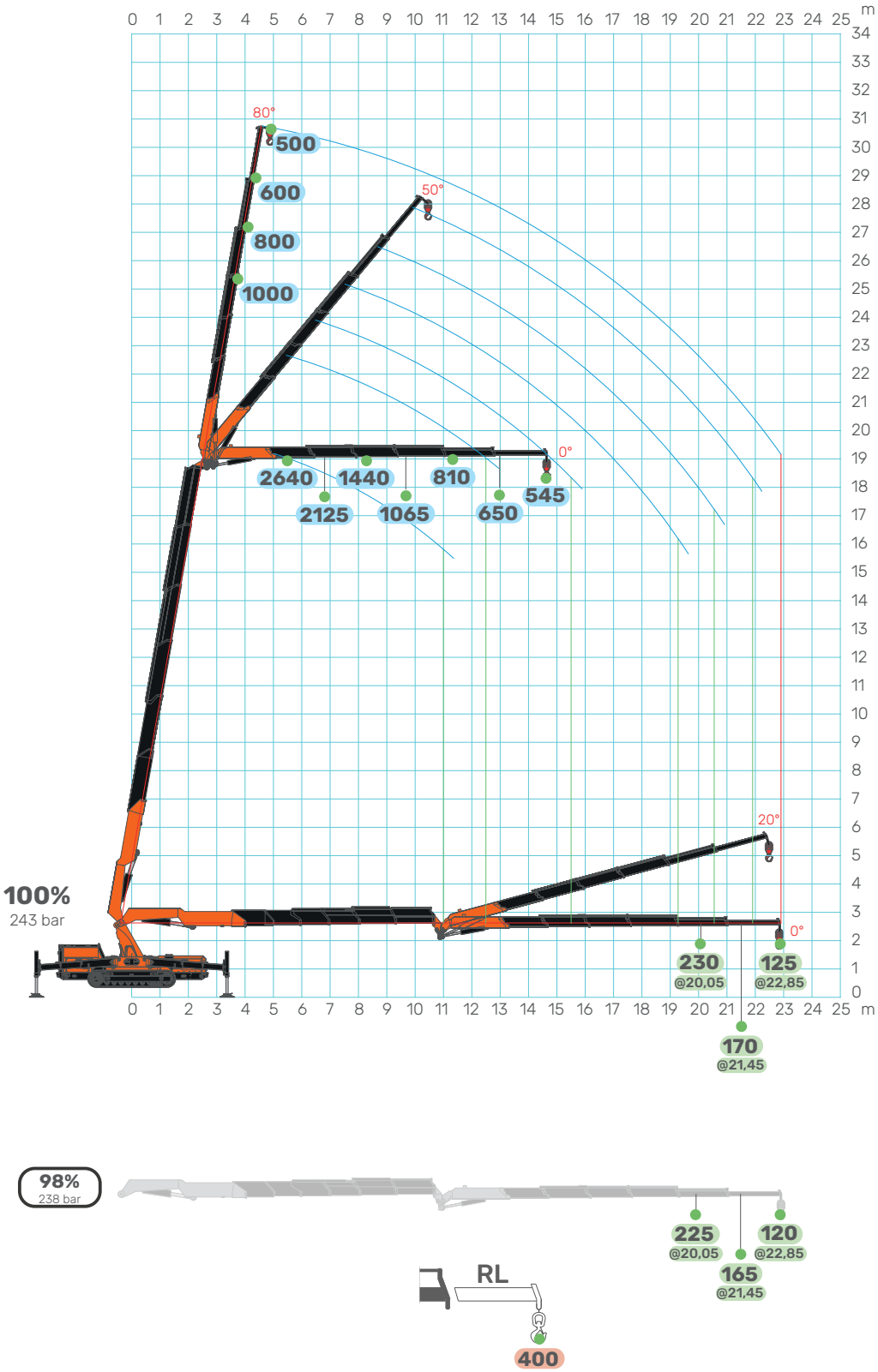







The load chart refers to the crane in deflection condition.

[m] [kg]




**[m] [kg]** The load chart refers to the crane in deflection condition.

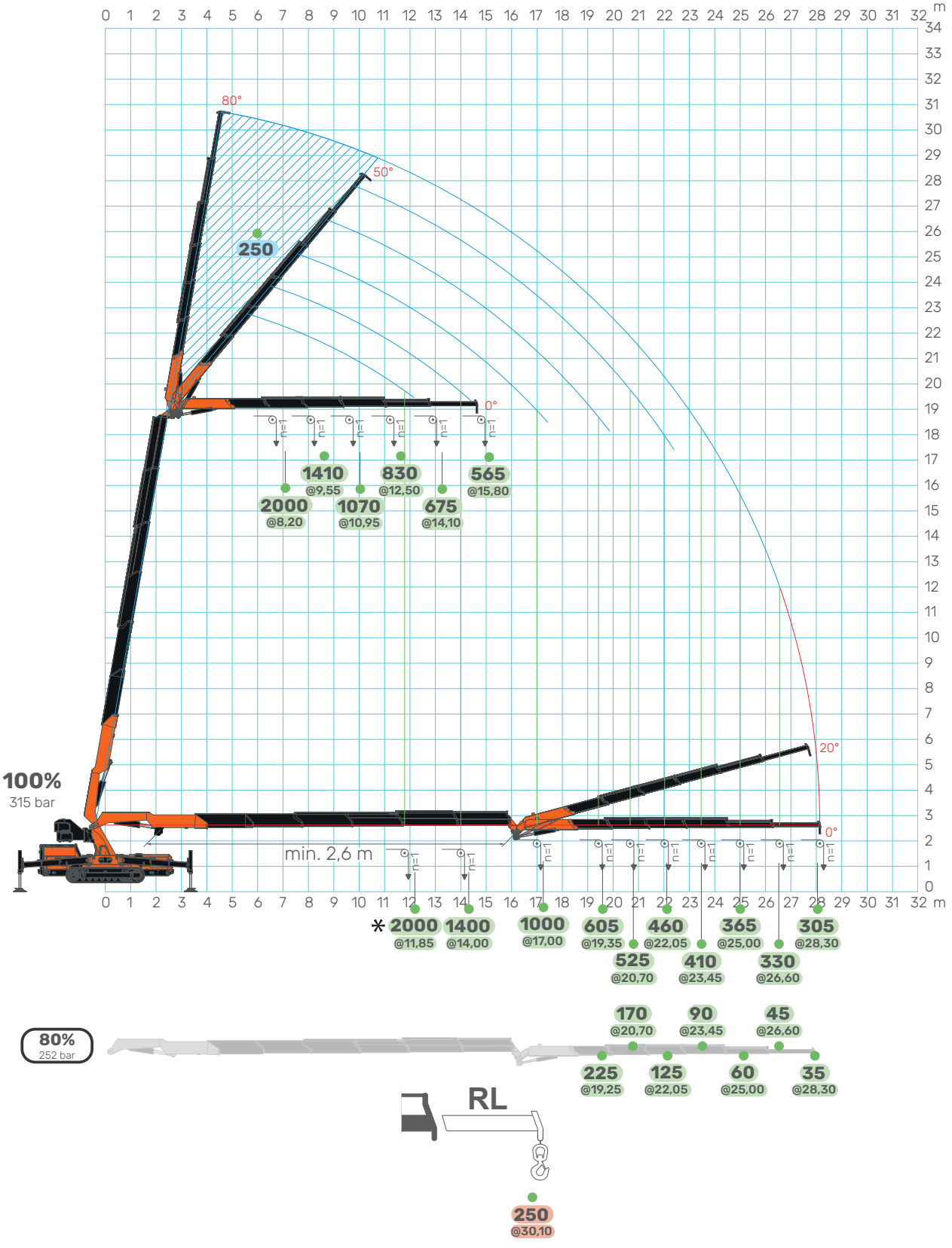
# JF545.2

JIB3000.6HA diagram



3500 kg

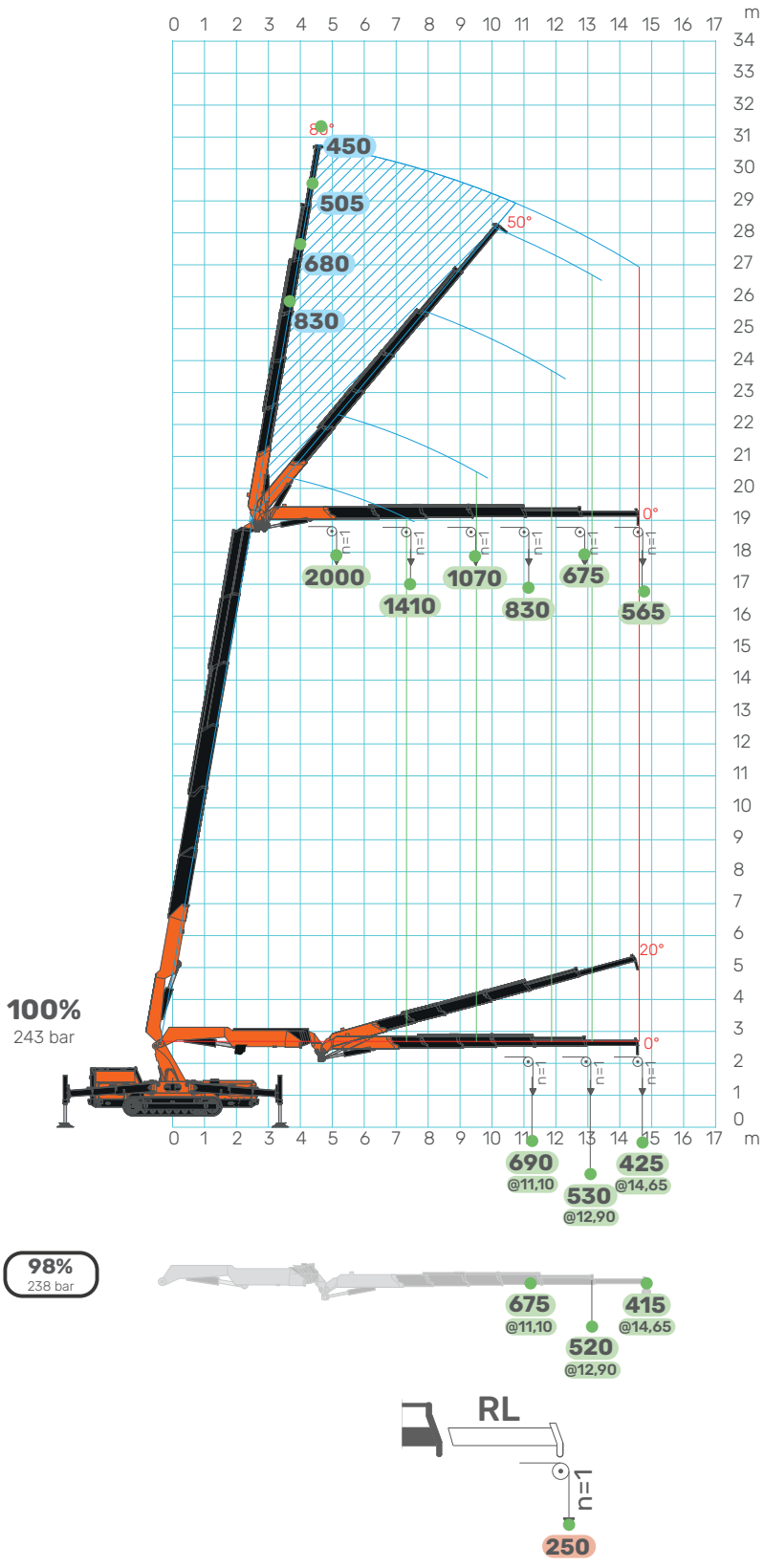
W2000




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.

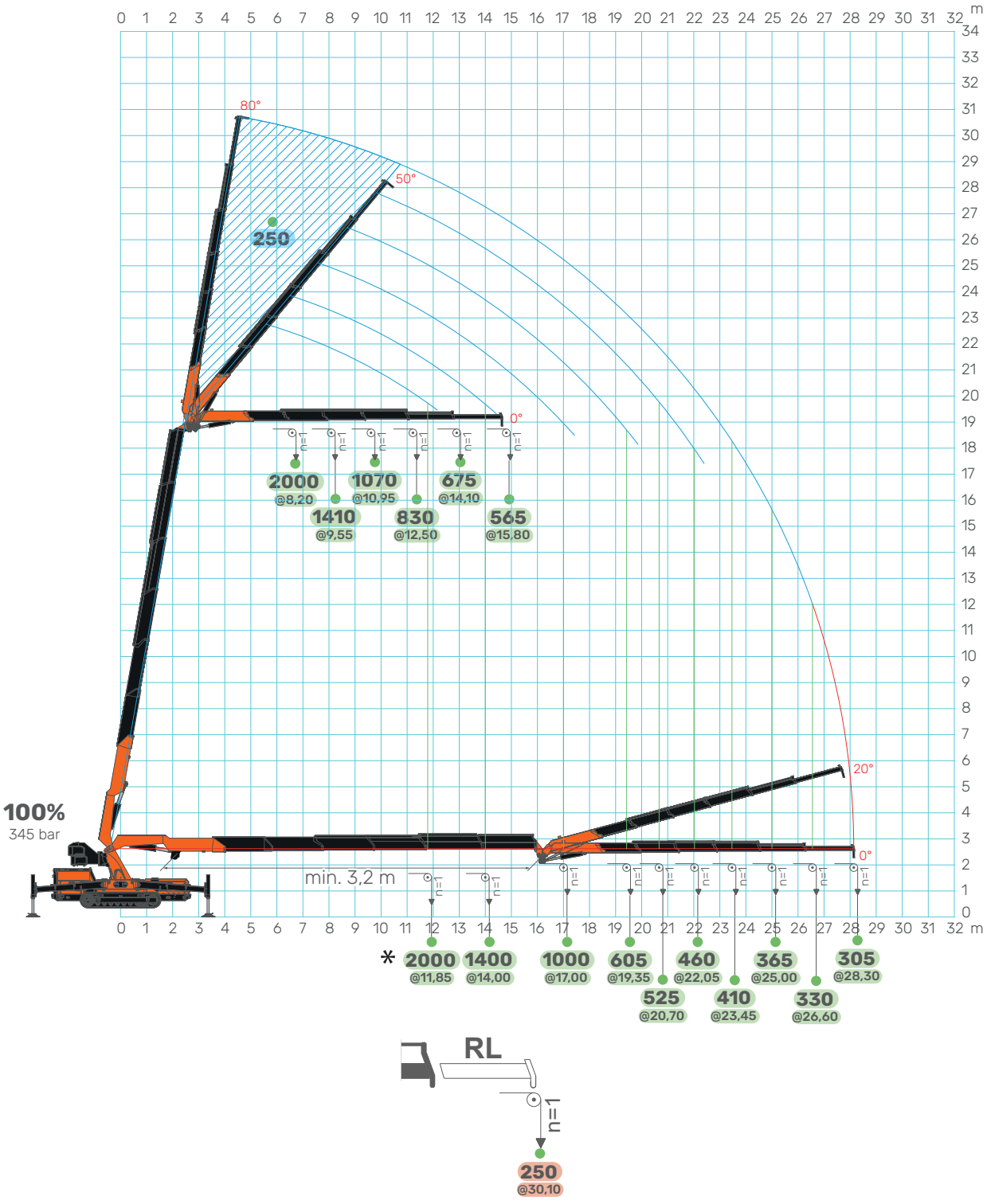
# JF545.2

JIB3000.6HA diagram



3500 kg

W3000

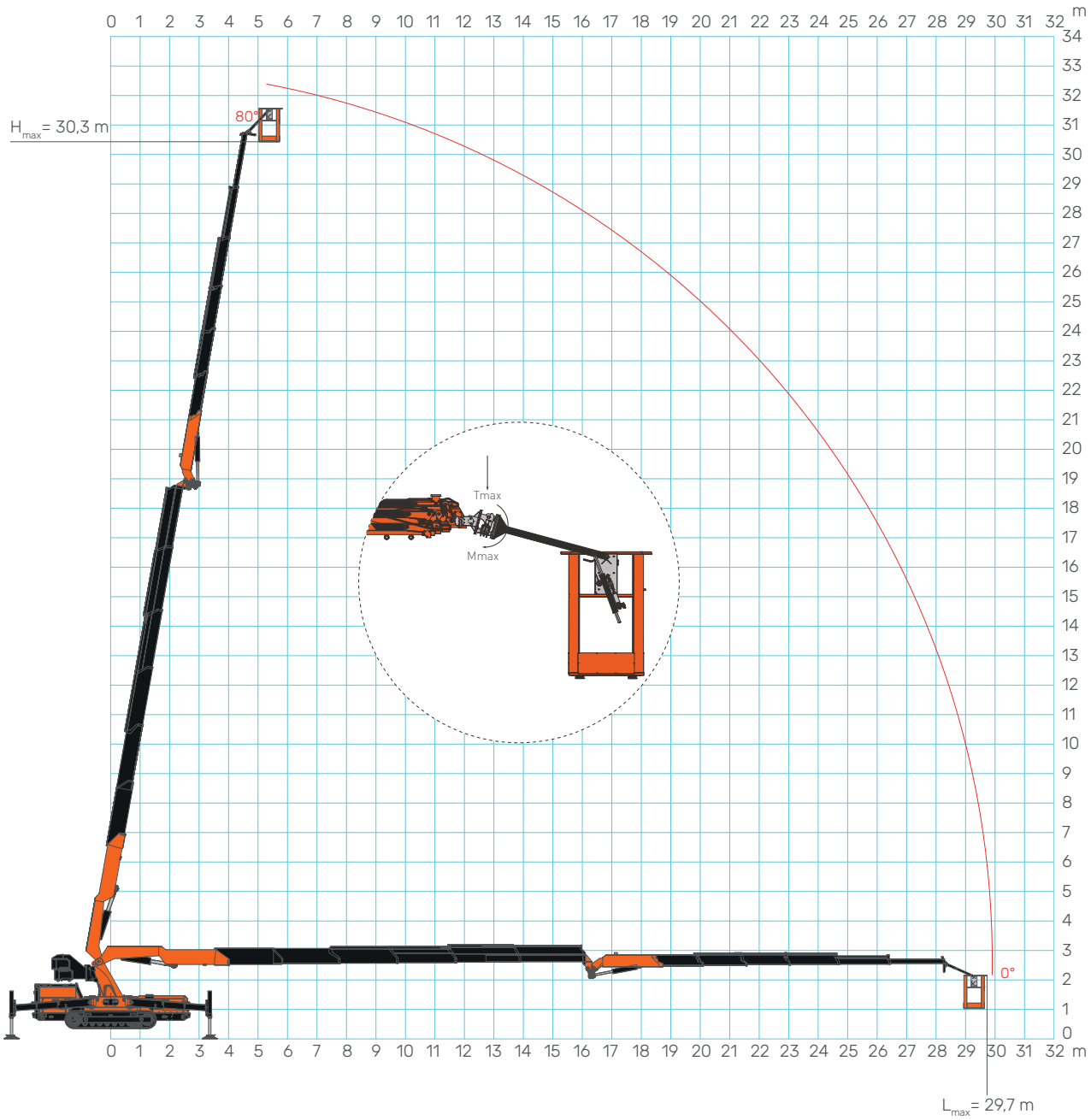



The load chart refers to the crane in deflection condition.

[m] [kg]

# PLE



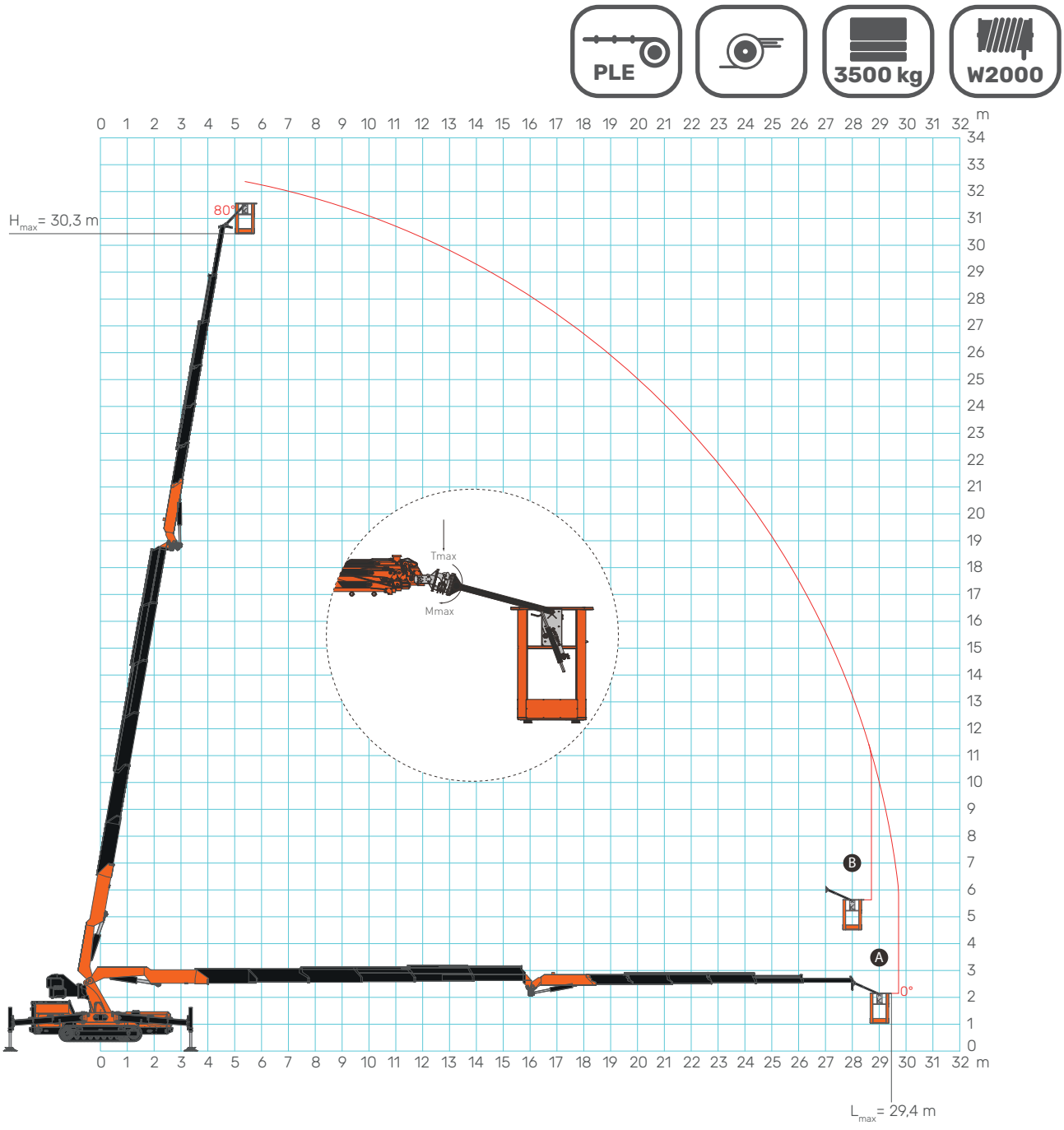

| PLE | | | | |
|---|---|---|---|---|
| | MWP-1PG.JIB3000.6HA | Max Capacity | kg | 120 |

[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

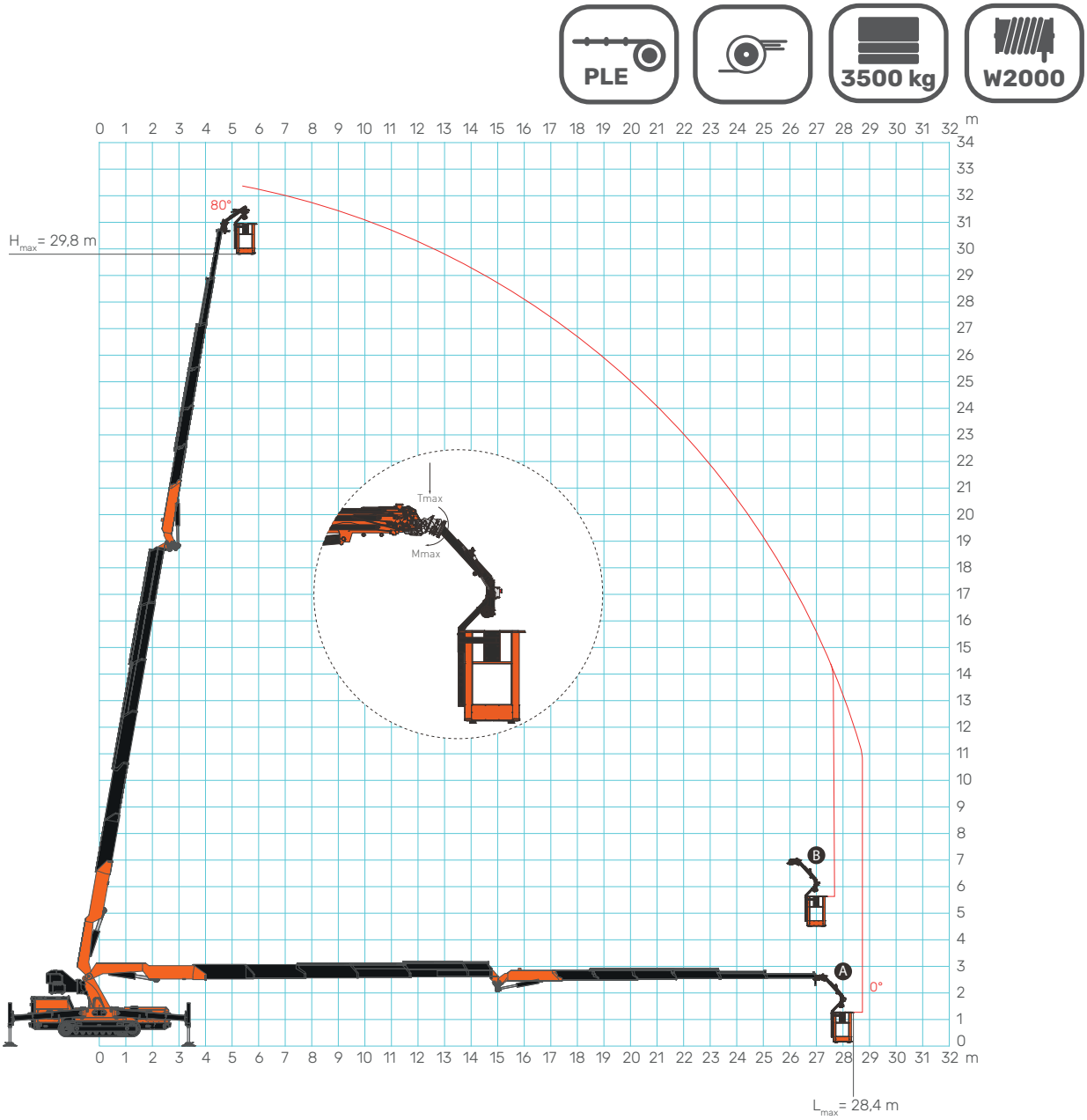





PLE

| | | | | |
|---|---|---|---|---|
| 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.



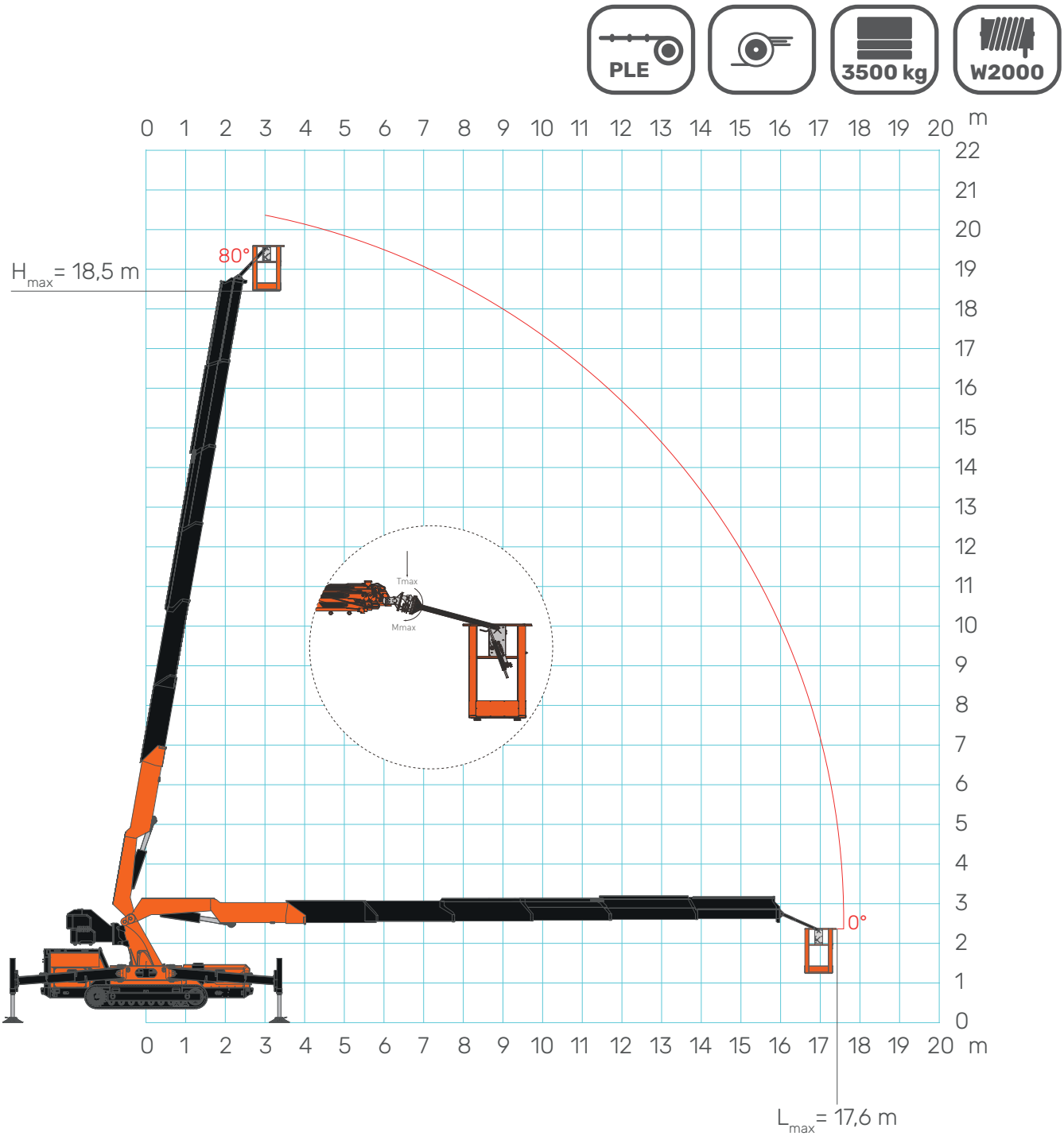

| | | | | | |
|---|---|---|---|---|---|
| PLE | | MWP-2PGR.JIB3000.6HA | With activation | Max Capacity | kg | 200 |
| | | MWP-2PGR-S.JIB3000.6HA | | | | |
| | | MWP-2PGR-A.JIB3000.6HA | | | | |
| | | MWP-2PGR-VE.JIB3000.6HA | | | | |
| | | MWP-2PGR.JIB3000.6HA | Without activation | Max Capacity | kg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

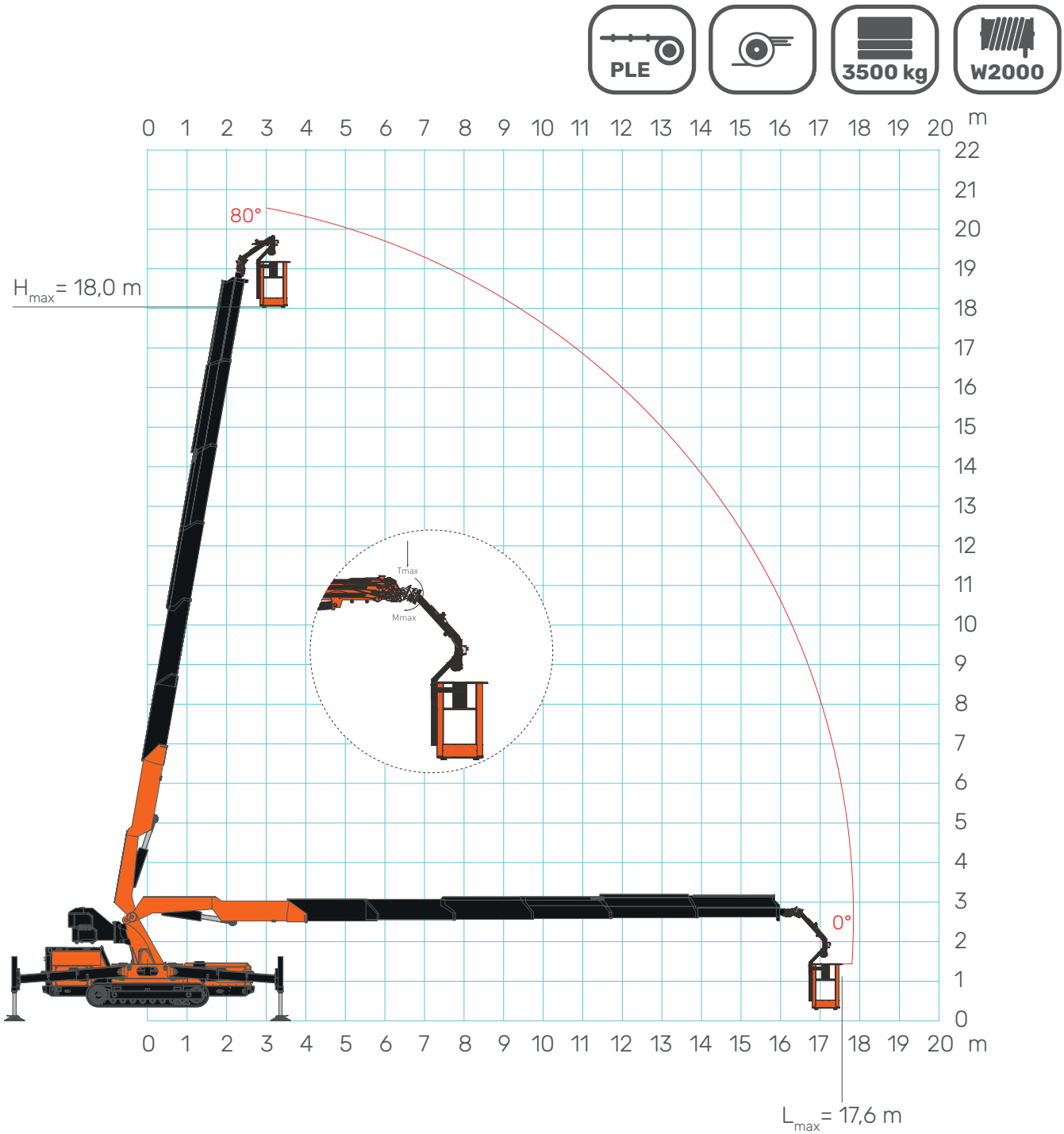





| PLE | | | | |
|---|---|---|---|---|
| | MWP-2PG.JF545.2 | Max capacity | kg | 200 |

[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.



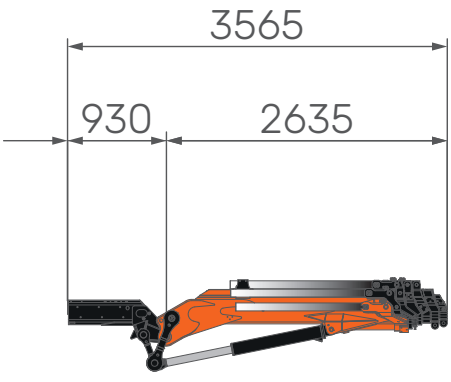

| PLE | | | | |
|---|---|---|---|---|
| | MWP-2PGR.JF545.2 | Max capacity | kg | 200 |

[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**



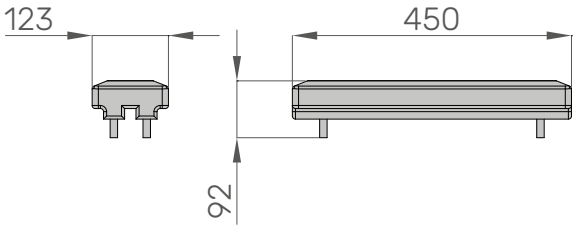




**WEIGHT**

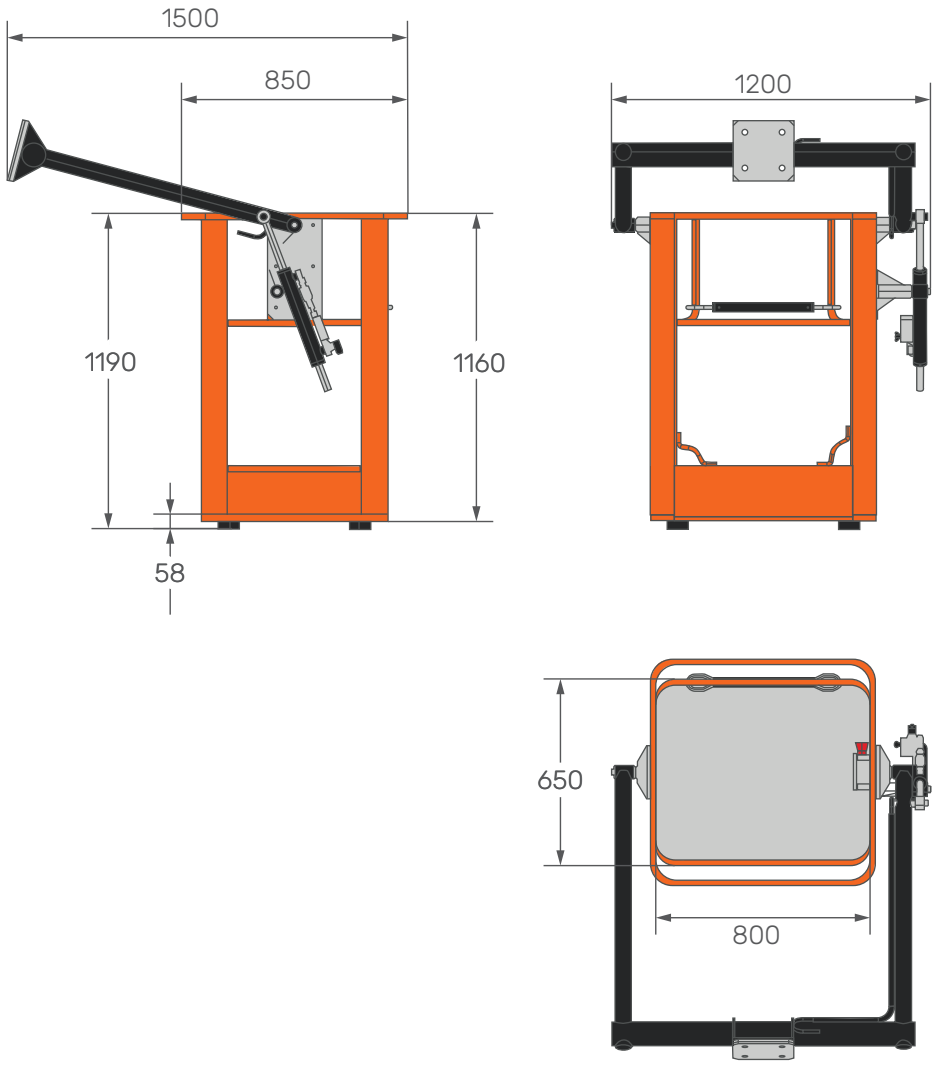
| | | | | |
|---|---|---|---|---|
| JIB | JIB3000.6HA | With activation | kg | 1.260 |
| | | Without activation | | 1.140 |

**[mm]**

**MTP-JFM**




**MWP-1PG.JIB3000.6HA**




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

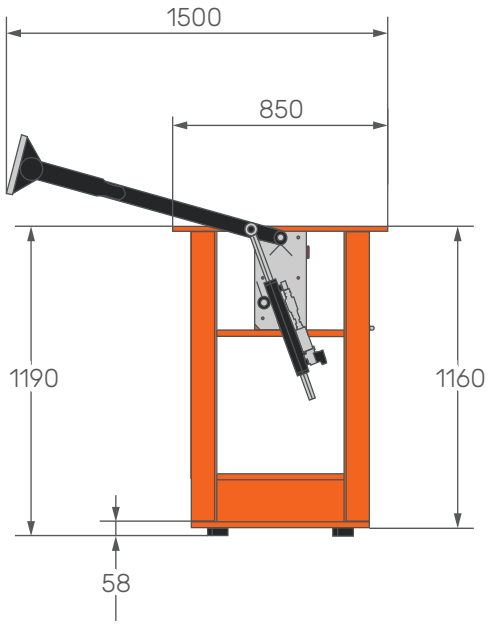
**[mm]**

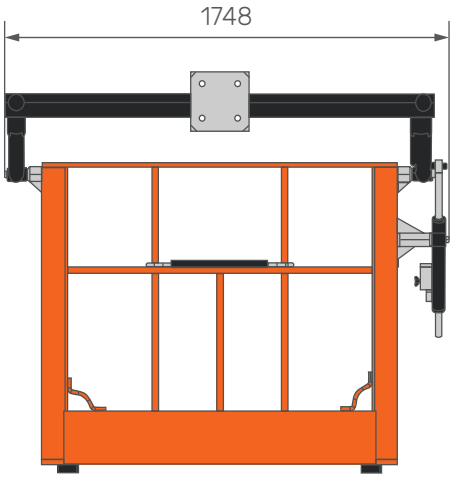
# JF545.2

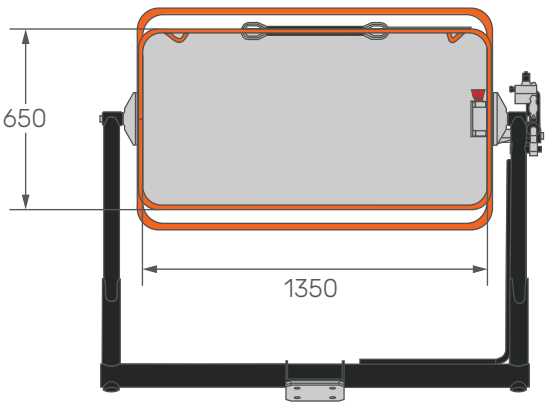
Two-men basket features



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



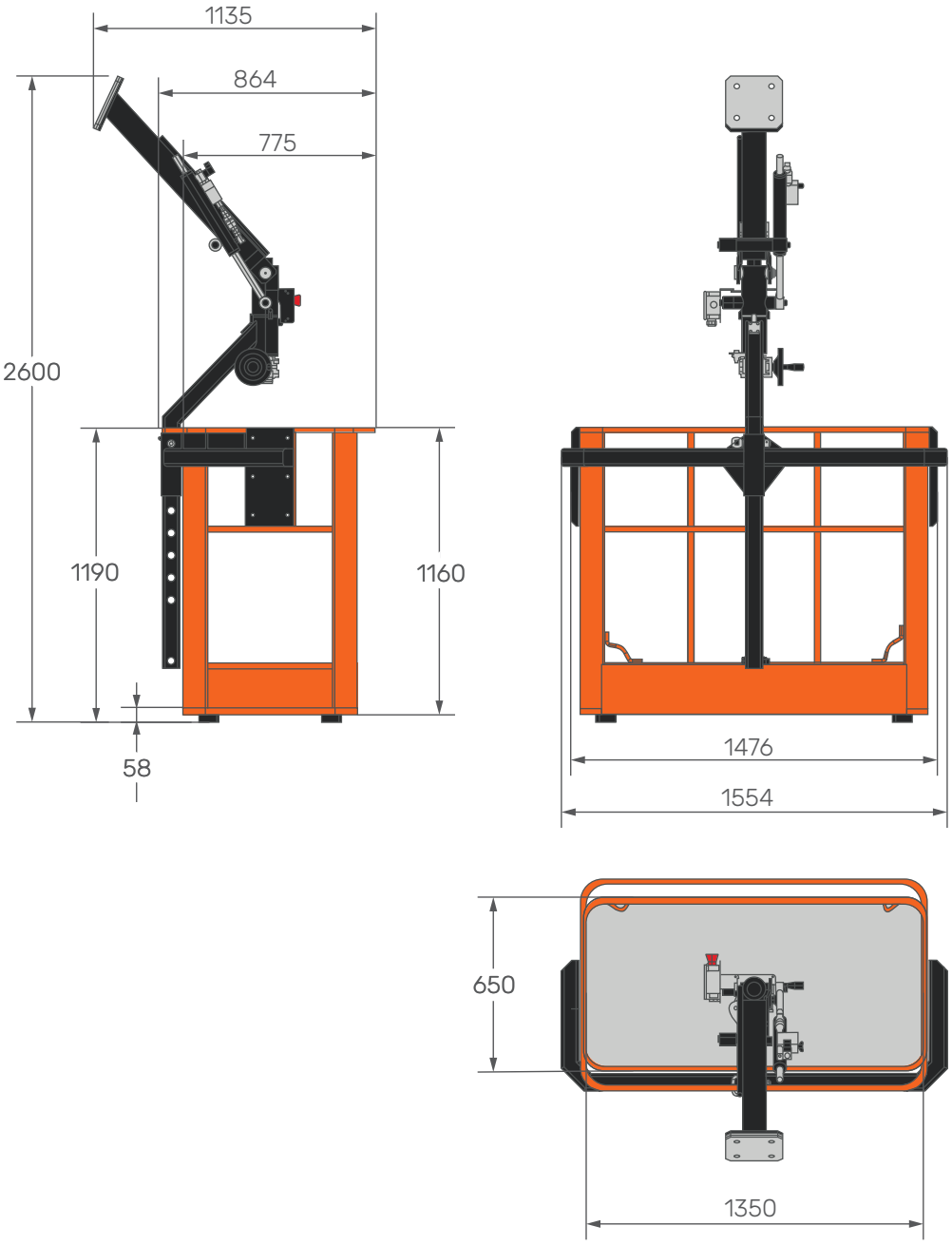




**WEIGHT**

| | | | |
|---|---|---|---|
| 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 |

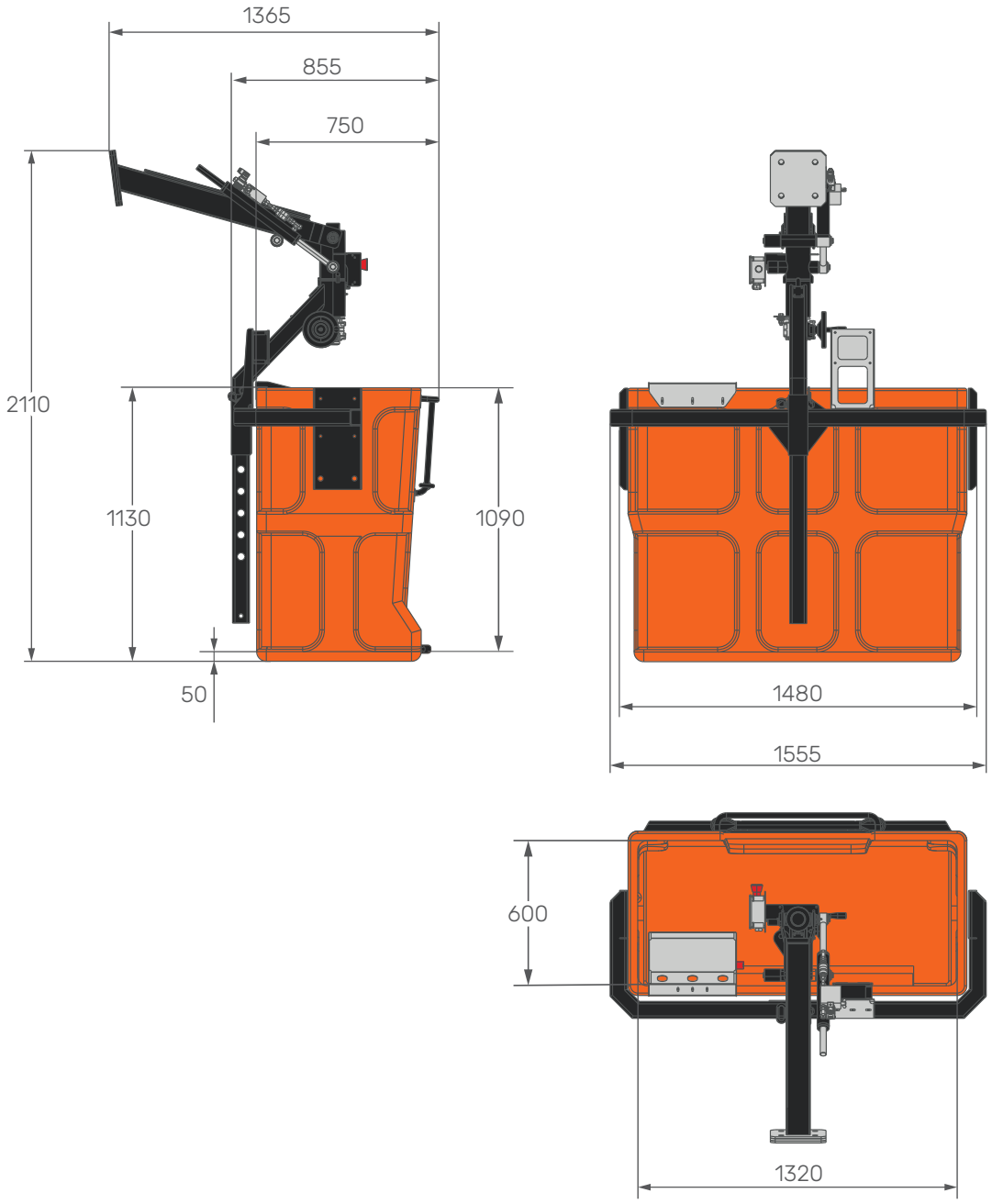
**[mm]**

# JF545.2

Two-men rotating basket features

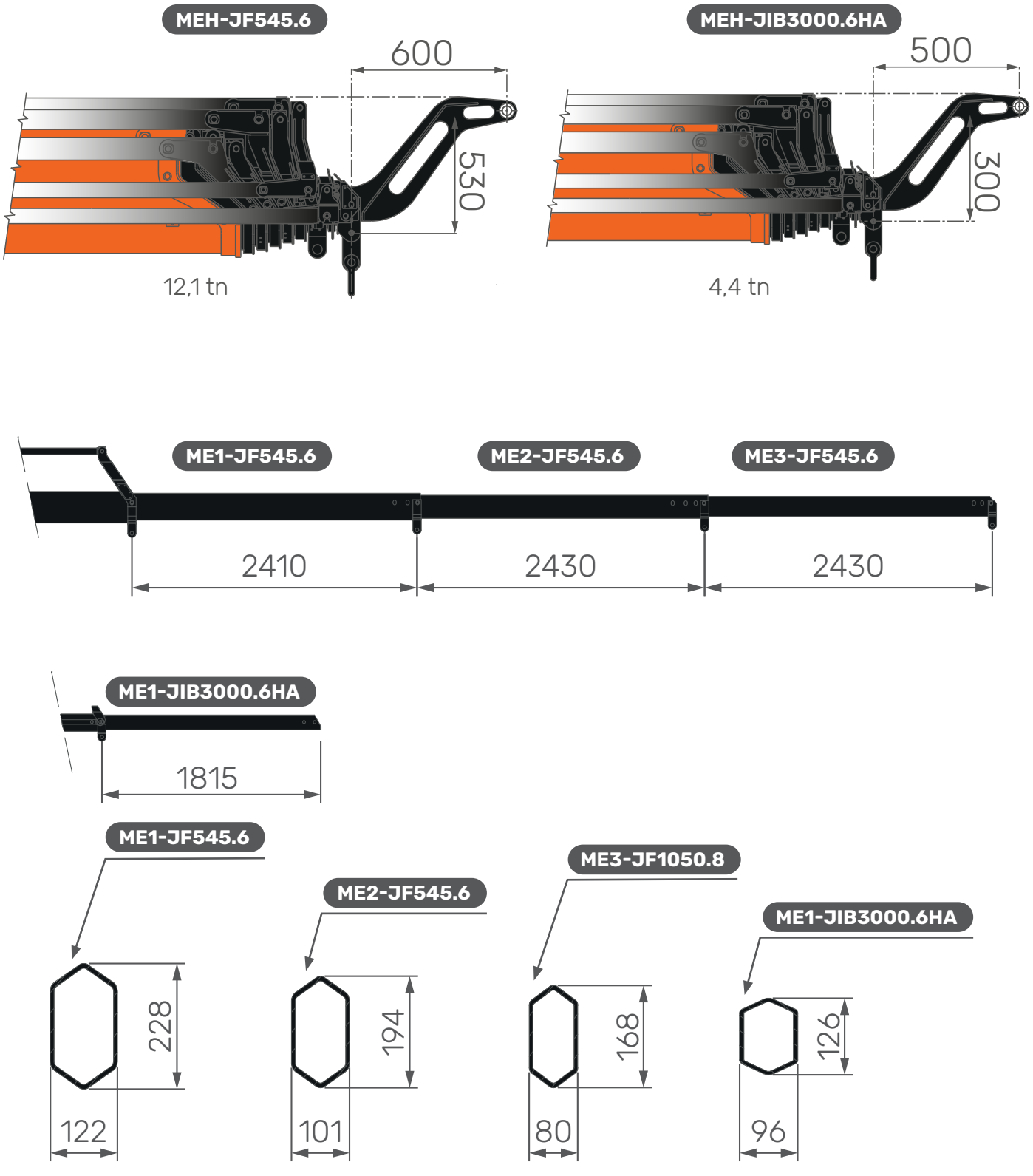


**MWP-2PGR-VE.JIB3000.6HA**




| 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:

04.11.2026 | REV1.0

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