

JEKKO545

SPECIFICATION & CAPACITIES



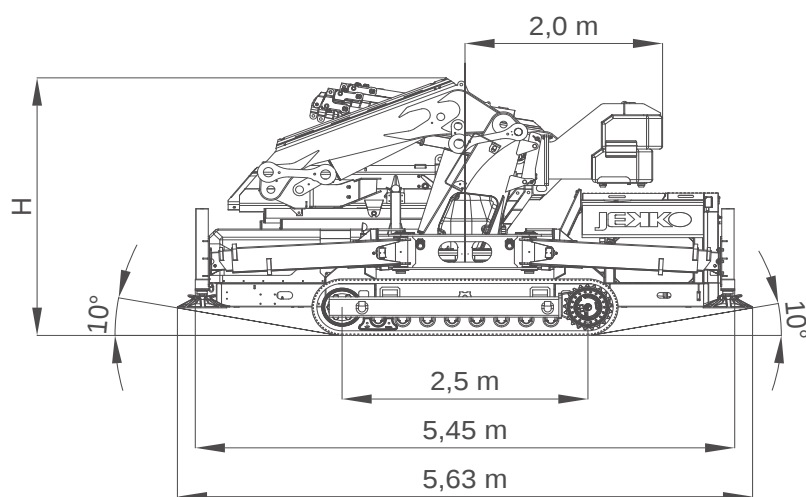
// Specialist Crane Hire & Transport Company

ALTIDATM
CRANE HIRE

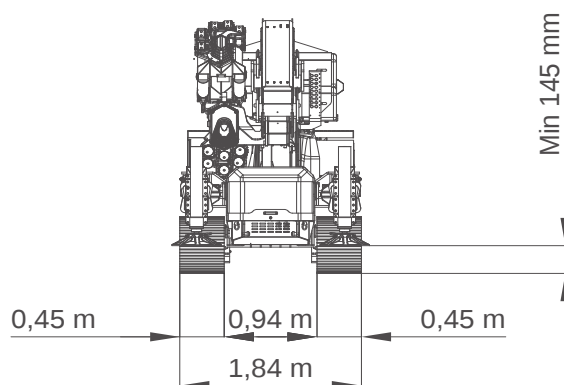
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OVERALL DIMENSIONS

With jib and low marking pads:

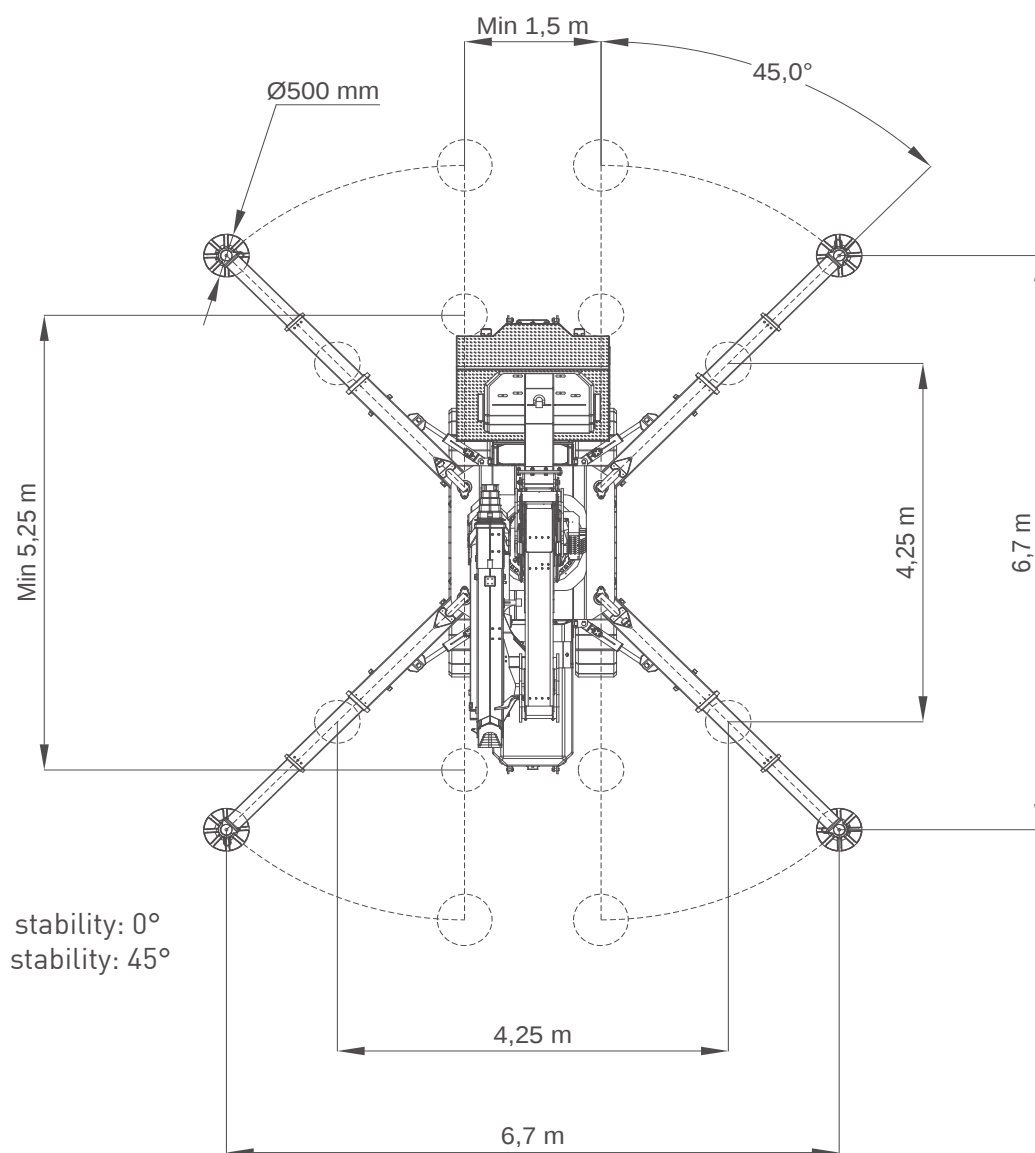


H=2,83 m with V20 winch / H=2,90 m with V30 winch



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STABILIZATION AREA

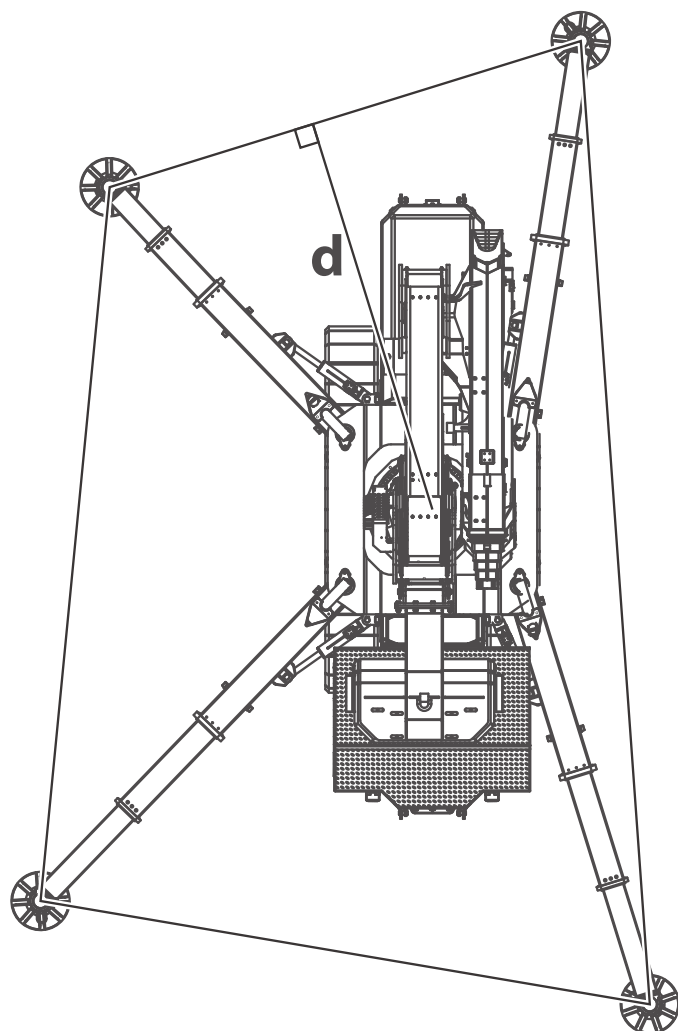


Min angle stability: 0°

Max angle stability: 45°

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CRANE PERFORMANCE

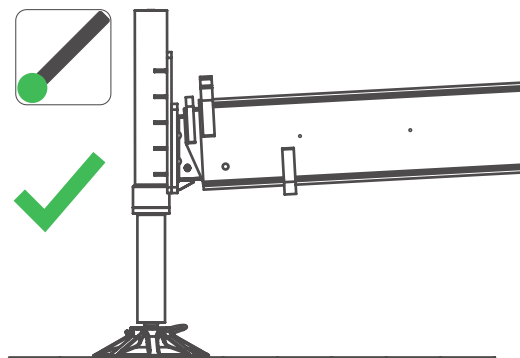
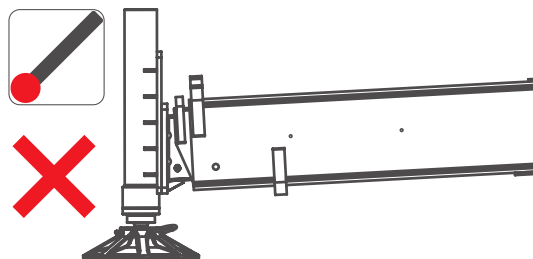
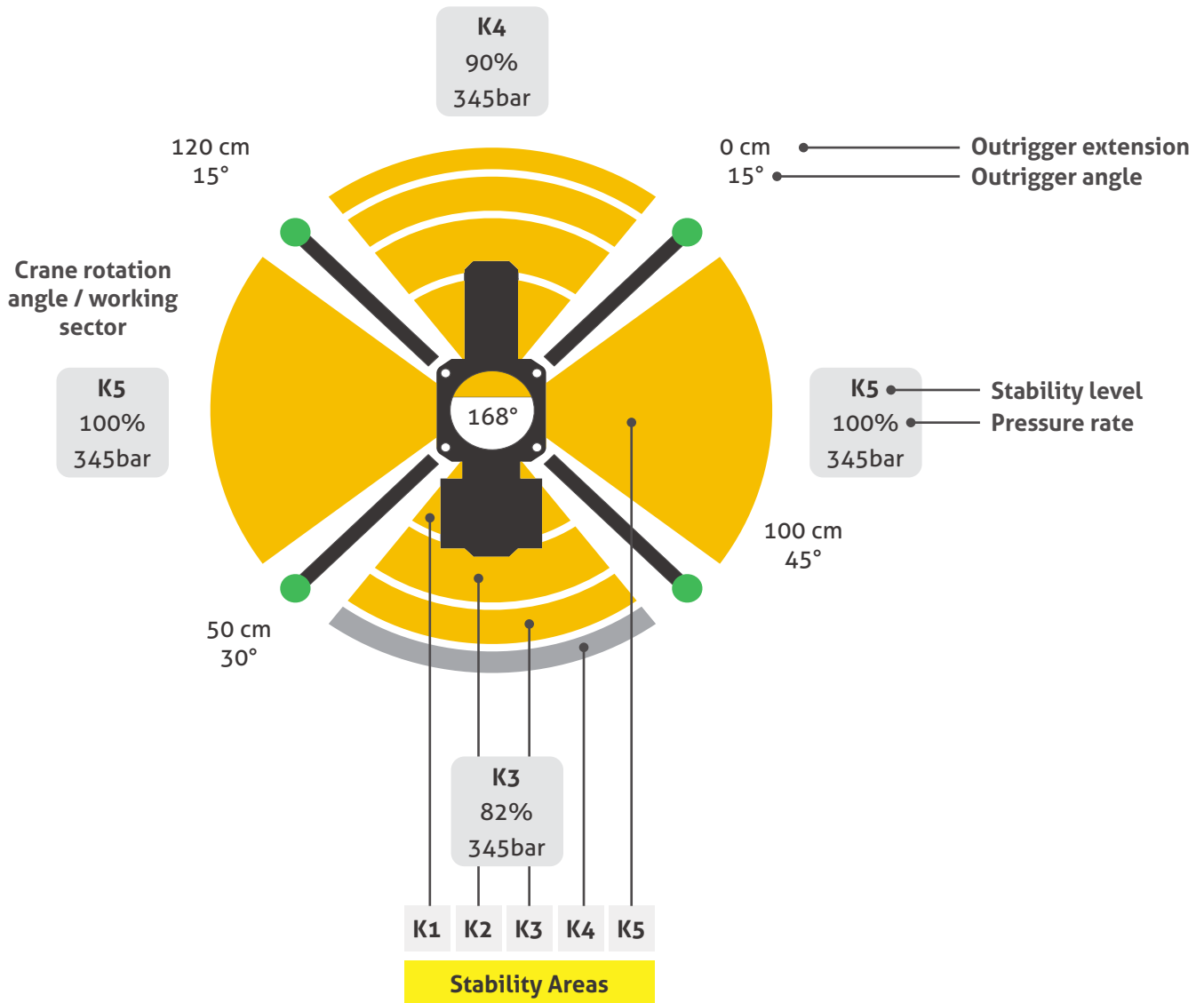


K	d min	d max
K1	1,6 m	2,0 m
K2	2,0 m	2,6 m
K3	2,6 m	3,1 m
K4	3,1 m	3,2 m
K5	3,2 m	-

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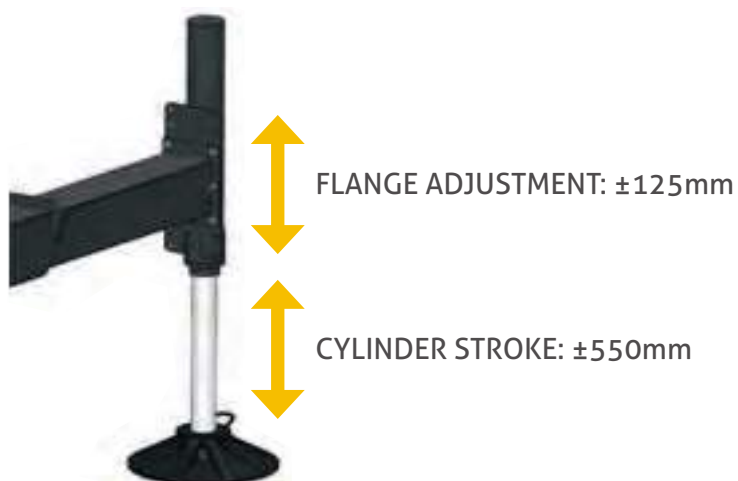
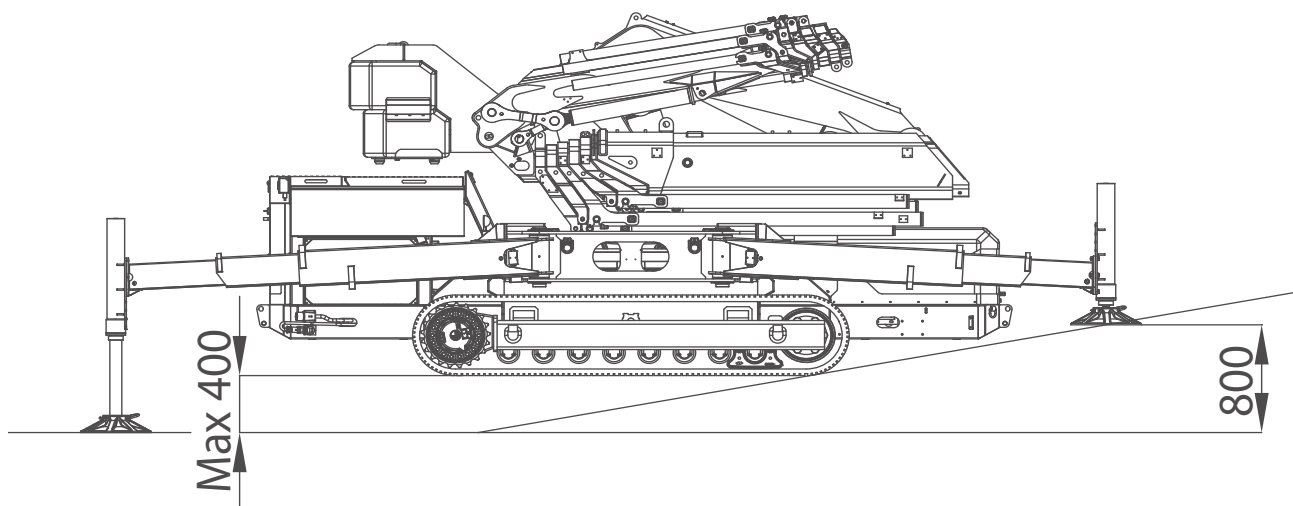
STABILIZATION CHART

The division in 4 areas is a schematic representation, software adapts level pressure continuously.



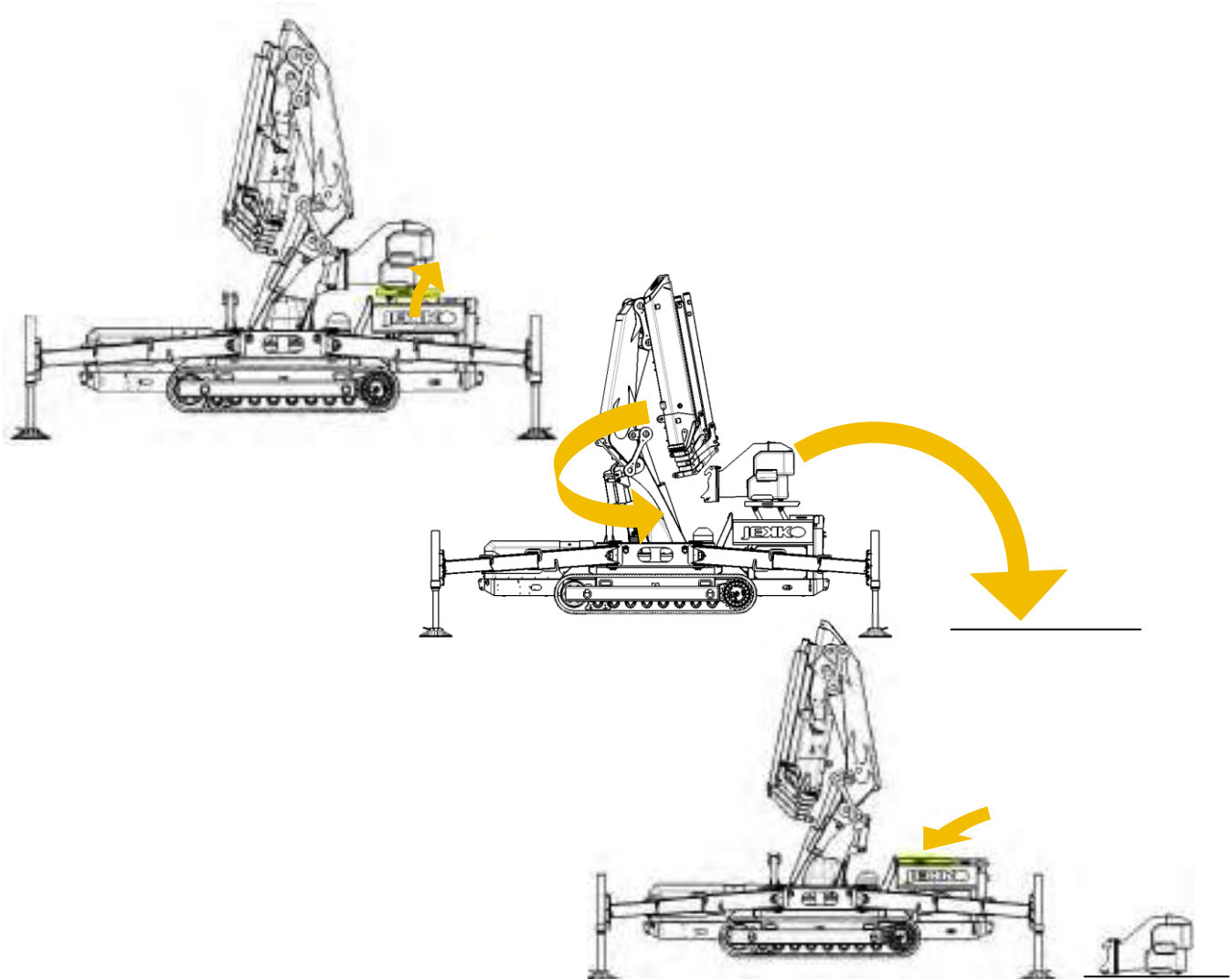
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STABILIZATION ADJUSTMENT



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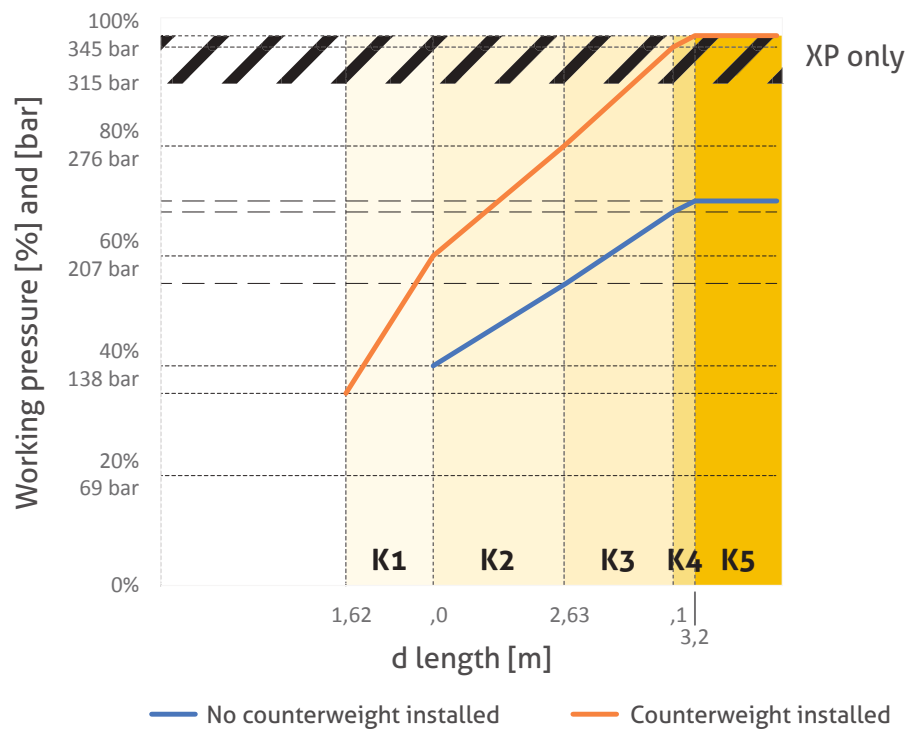
COUNTERWEIGHT REMOVAL



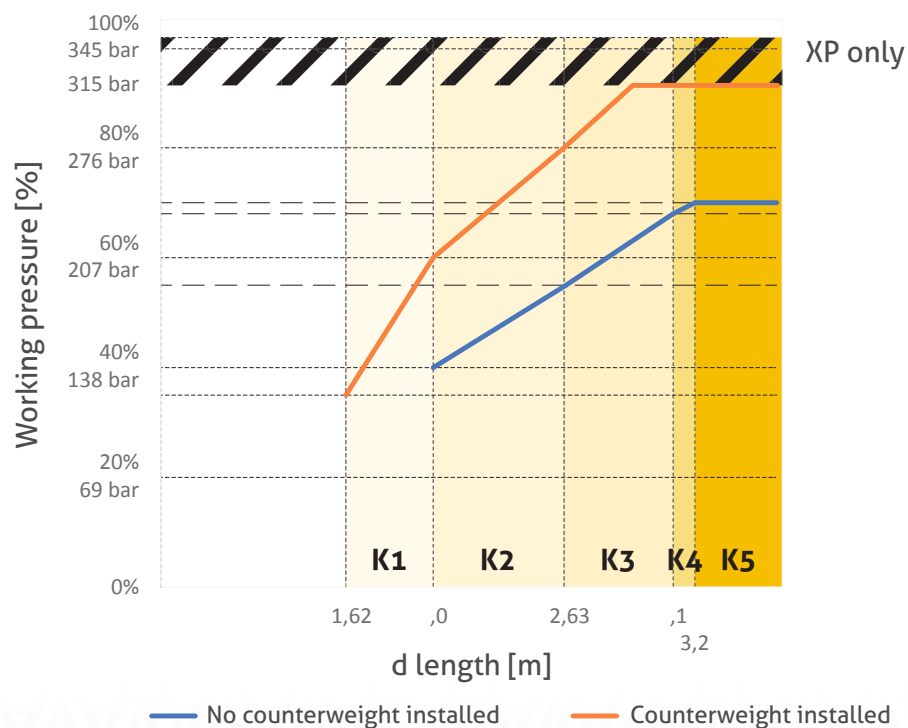
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MAIN BOOM

With HOOK



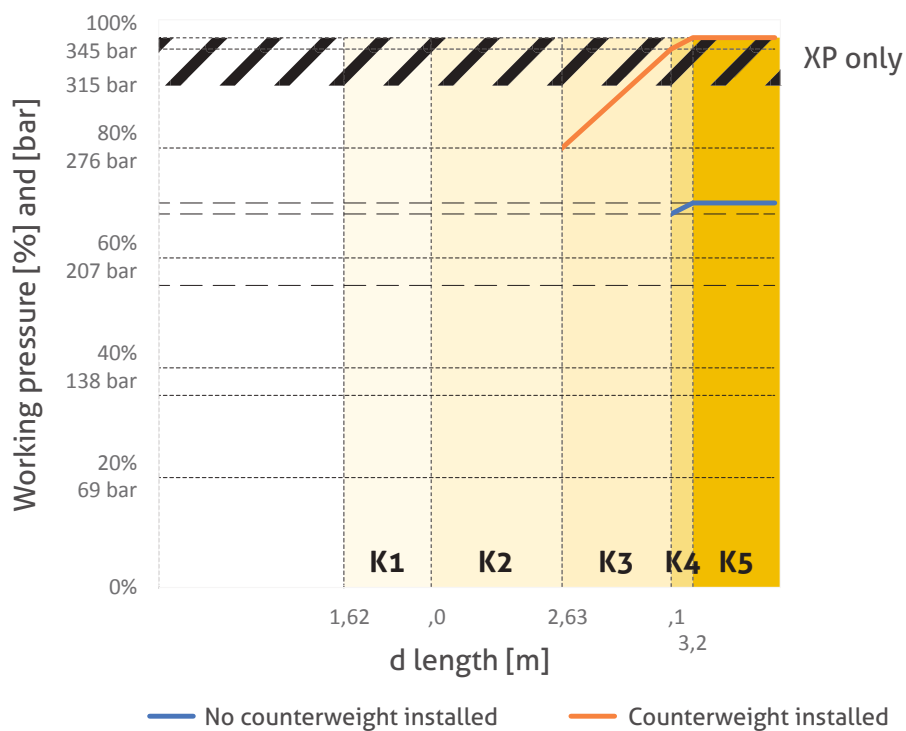
With WINCH



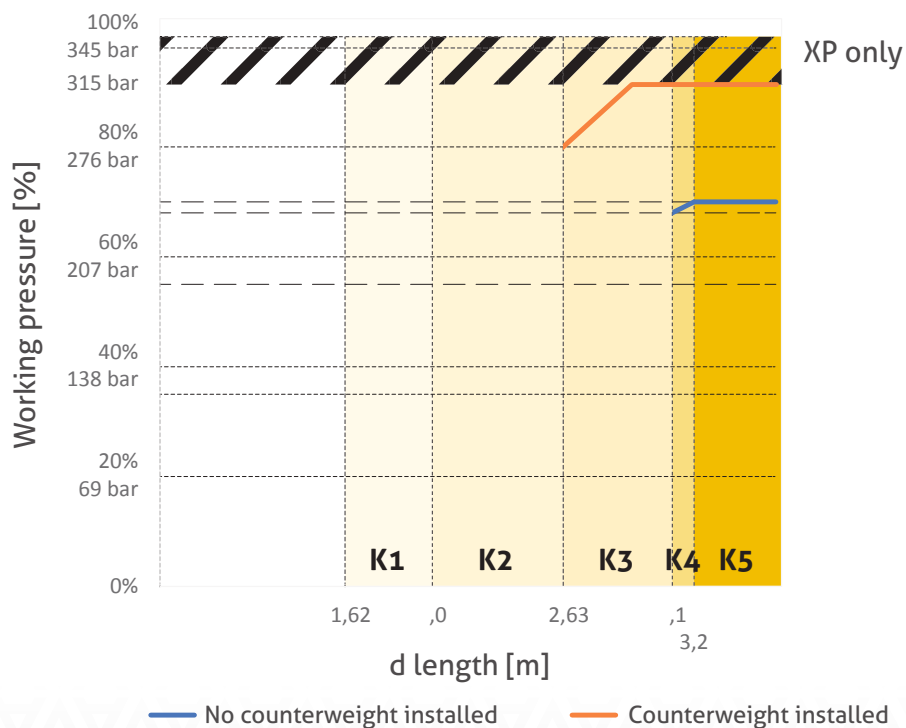
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JIB3000.6HA

With HOOK



With WINCH



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OVERALL INFORMATIONS

WEIGHT		
	Name/Version	kg ¹
 Crane	ALL	13500
 Counterweight	ALL	3500
 Winch	W2000-JFM	200
	W3000-JFM	200
 Hookblock	SINGLE FALL	47
	DOUBLE FALL	58
	TRIPLE FALL	57
	JIB SINGLE FALL	75
 Power Pack	3-PHASE POWERPACK	80
 Jib	L426	1200
	MEH-545.6	90
	ME1-545.6	95
	MEH-JIB3000.6HA	23
	ME1-JIB3000.6HA	36
Low Marking Pads	WTP-JFM	300 (3,25 x 92)
 Outriggers Mats	OM500	30

MOVEMENTS		
 Travel Speed	km/h	1 / 2
 Gradeability	20° (36%)†	
 Track Load	kg/cm²	0,85
 Outrigger Load	kg	11250‡
 Working Angle	0°/80°	
	s	Primary: 37 Secondary: 47
 Slewing	360°	
	rpm	0,67
 Boom Telescoping	m	18,3
	s	42§

§: Timing without load, fully stabilised and without XP
 †: Engine working limit
 ‡: Static lifting
 *: Dry weight

ENGINE		
 Engine	KUBOTA V3307-CR-TE4B	
kW Power	55,4kW 74HP	
 Fuel	DIESEL	
 Tank	L	75

ELECTRIC		
kW Power	400V-3F 13kW 17,4HP	

HYDRAULIC		
 Hydraulic Oil	ISO 6743-4:HVLP with VG46 viscosity class	
	Working temp	<70°C
	L	200

OIL COOLER		
 Weight	kg	16*
 Voltage	V	12
 Working Temperature	°C	-20 / +40
 Working Pressure	bar	16 / 21
 Fluid Flow	L/min	L/min 180

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WINCH PERFORMANCE

W2000-JFM				
WINCH	Layer	Max pull line	Standard rope speed	Highest rope speed
		kg	m/min	m/min
	1	2600*	36,5	N/A
	2	2400*	40,0	N/A
	3	2200*	43,5	N/A
	4	2040*	47,0	N/A
ROPE	Wire rope	Ø	Total length	Max load
		mm	m	kg
	Right lang lay	12	60	2400
HOOK BLOCK	Load	N° of		Block type
	kg	Sheaves	Lines	
	6000	1	3	Triple fall block
	3500	1	2	Double fall block
	2000	-	1	Singe fall block

W3000-JFM				
WINCH	Layer	Max pull line	Standard rope speed	Highest rope speed
		kg	m/min	m/min
	1	3870†	45,0	N/A
	2	3565†	49,0	N/A
	3	3260†	53,0	N/A
ROPE	Wire rope	Ø	Total length	Max load
		mm	m	kg
	Right lang lay	14	60	2400
HOOK BLOCK	Load	N° of		Block type
	kg	Sheaves	Lines	
	6000	1	2	Double fall block
	3000	-	1	Singe fall block

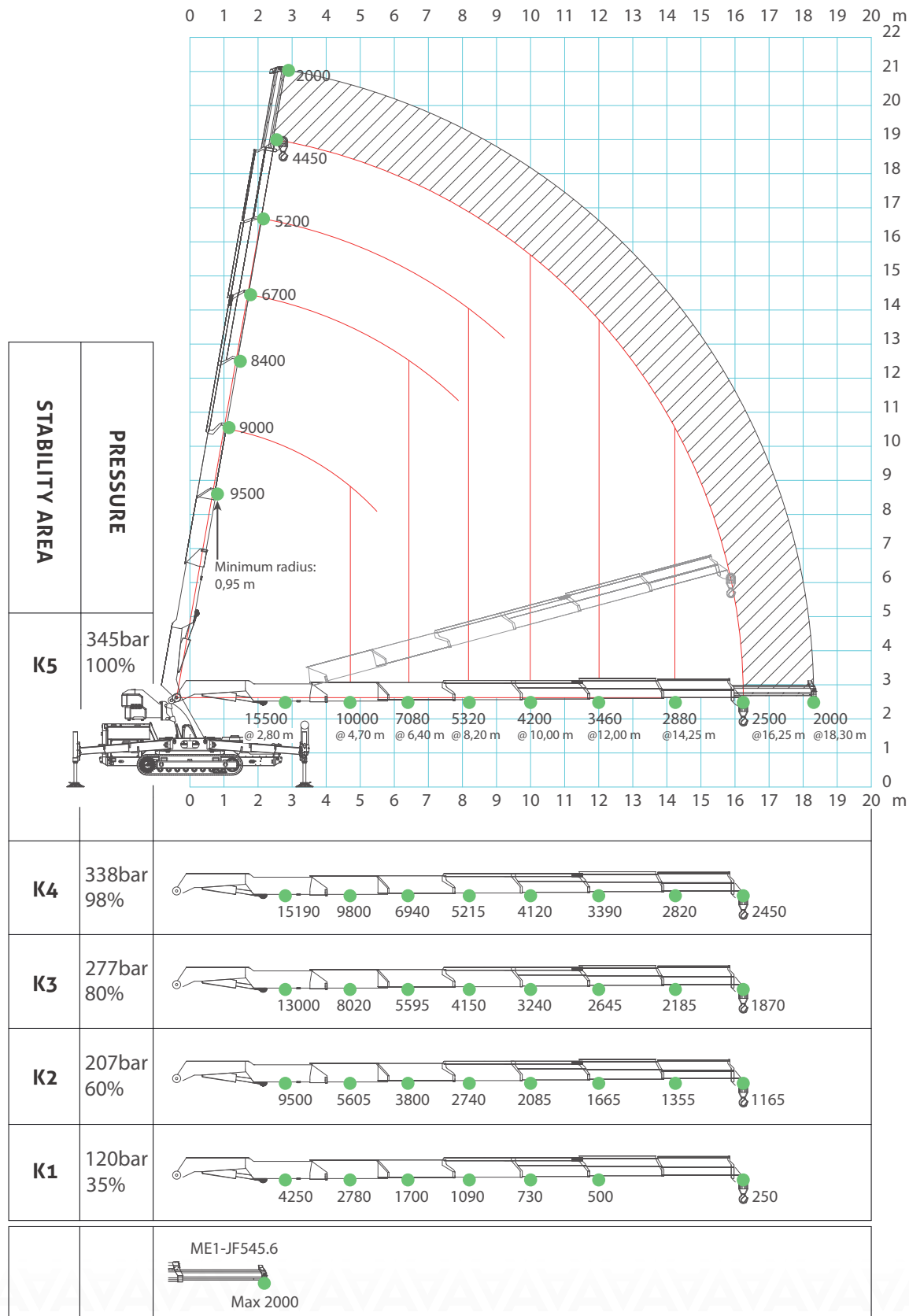
*: LMI limited at 2000 kg

†: LMI limited at 3000 kg

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MAIN BOOM

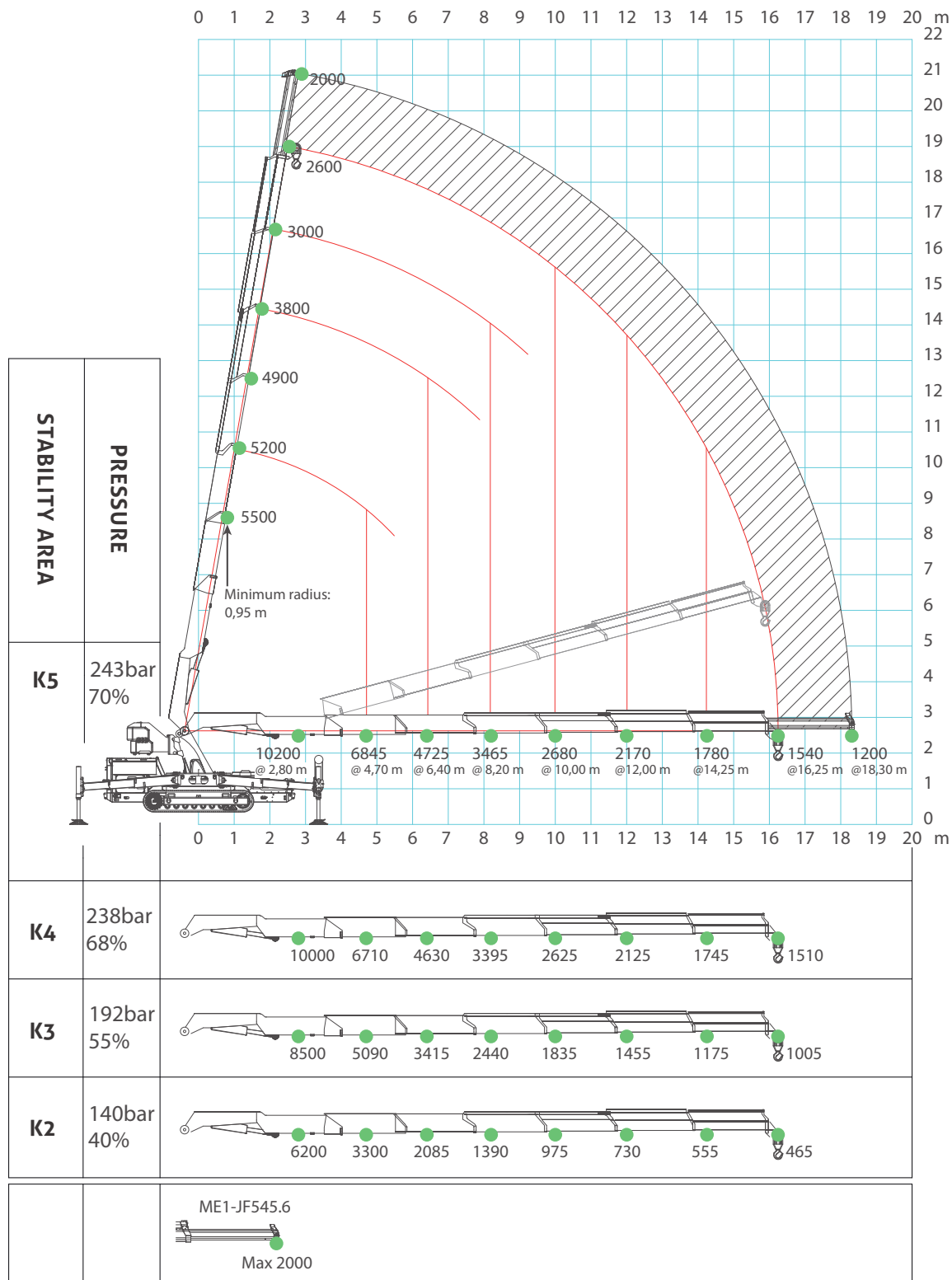
HOOK and FULL COUNTERWEIGHT installed



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MAIN BOOM

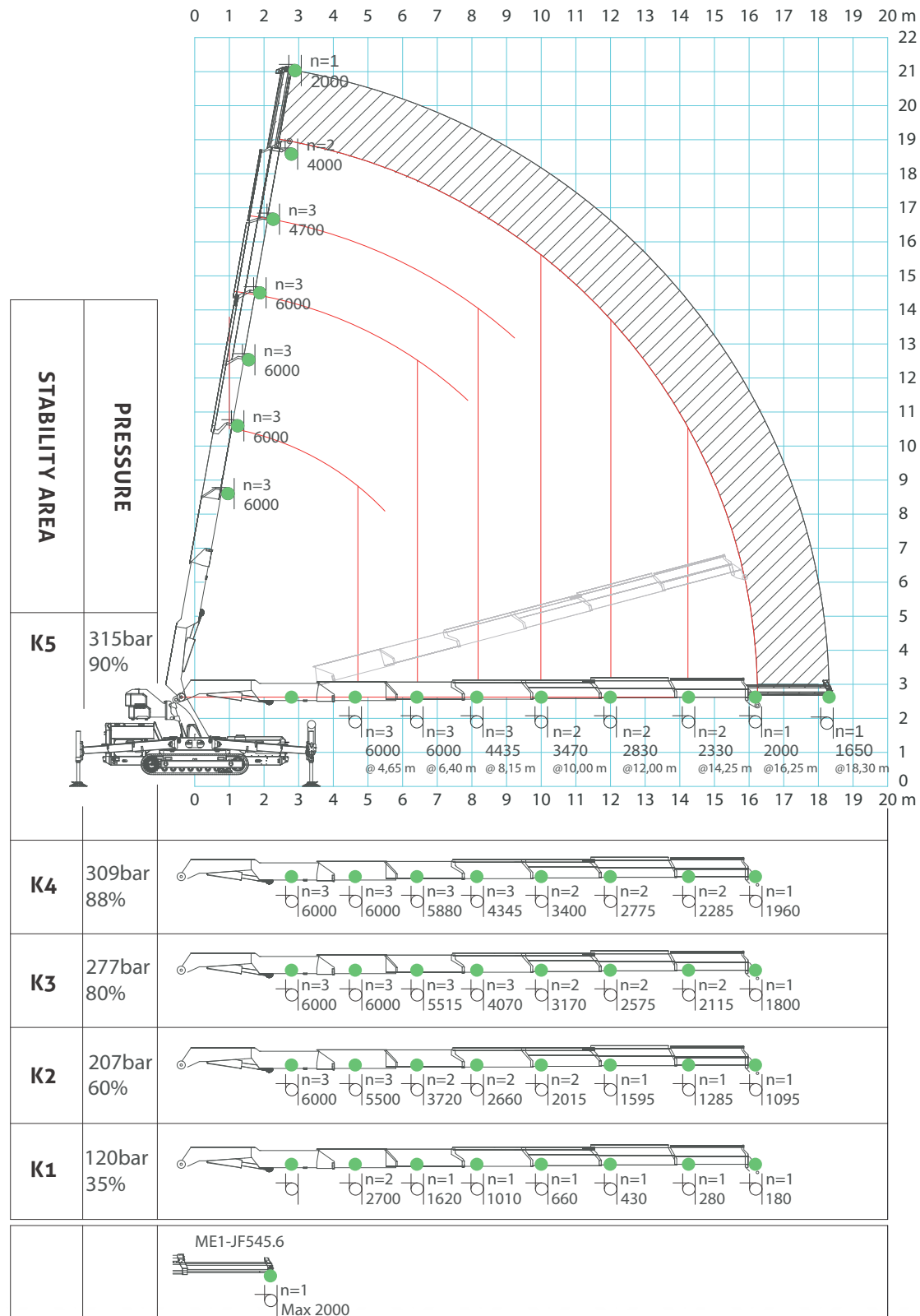
HOOK and NO COUNTERWEIGHT installed



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MAIN BOOM

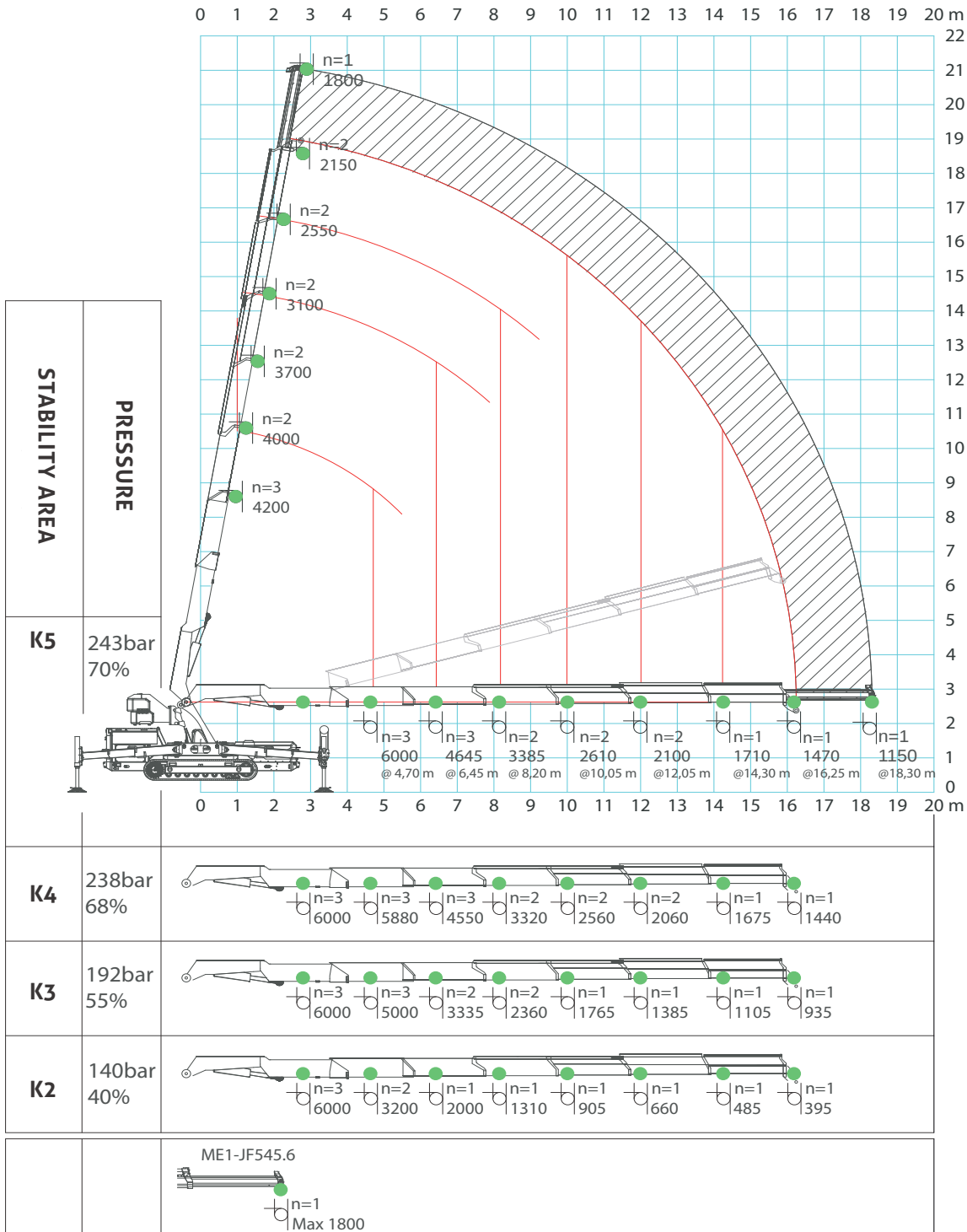
W2000-JFM and FULL COUNTERWEIGHT installed



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JF545 - MAIN BOOM

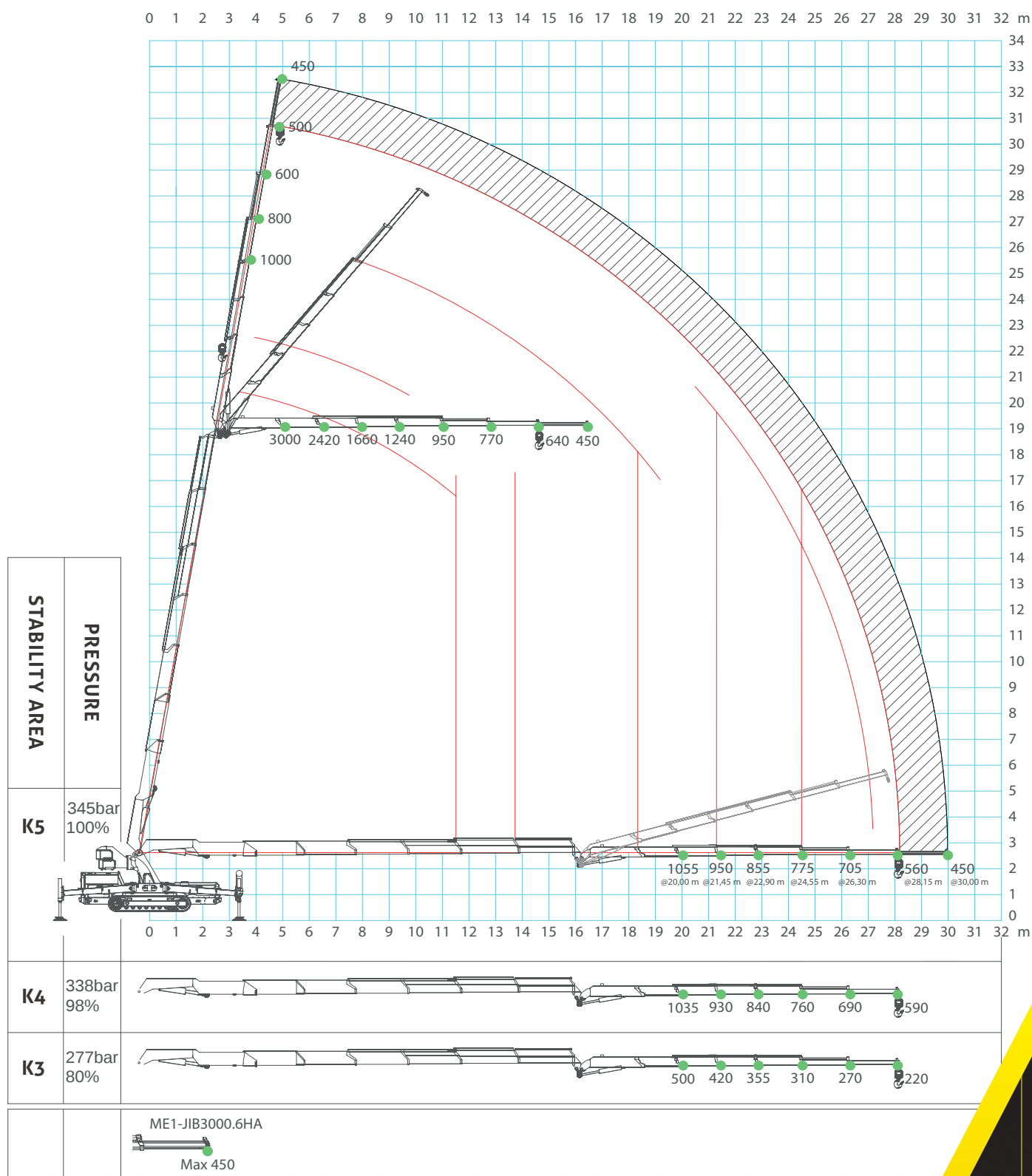
W2000-JFM and NO COUNTERWEIGHT installed



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JIB3000.6HA

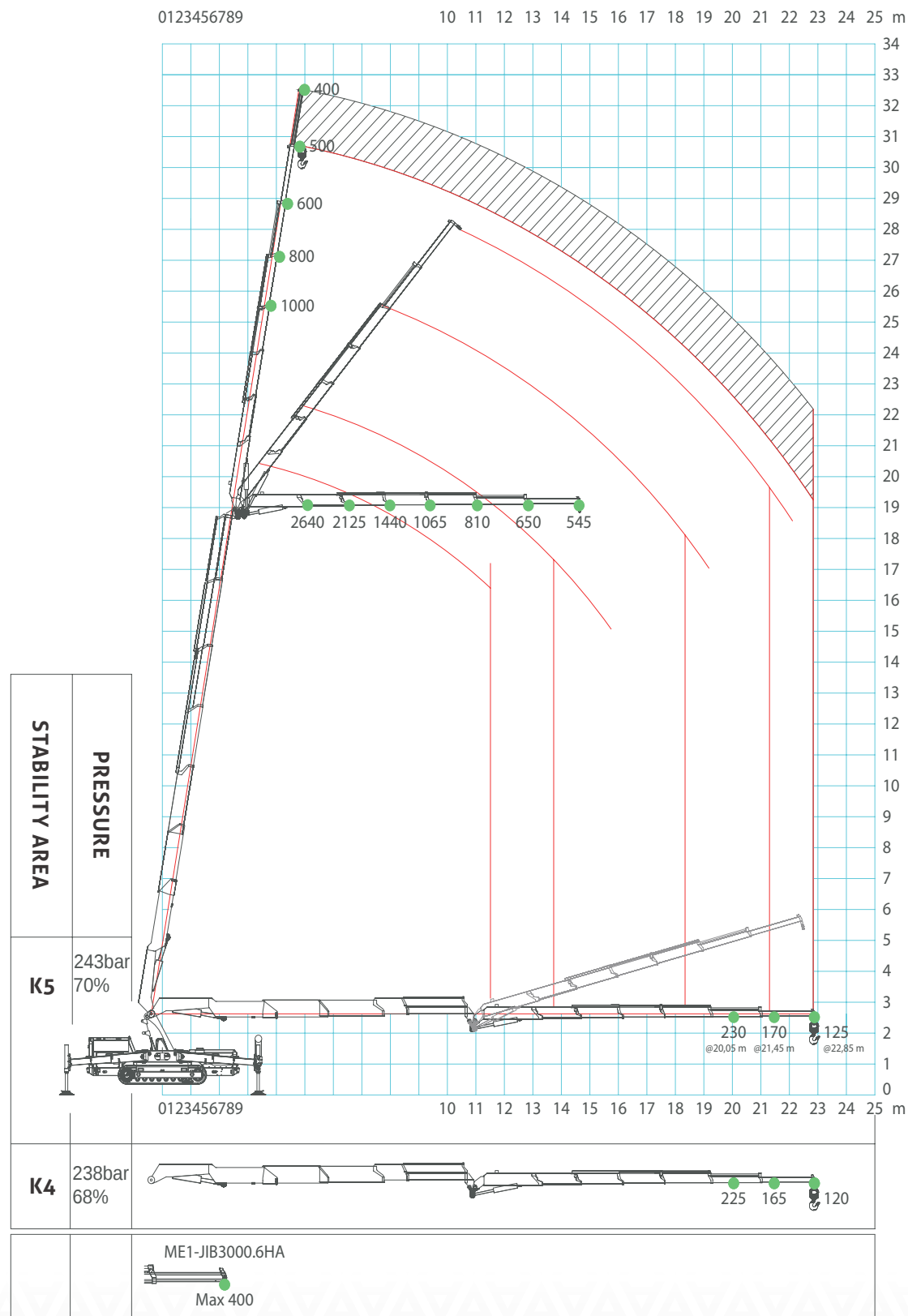
HOOK and FULL COUNTERWEIGHT installed



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JIB3000.6HA

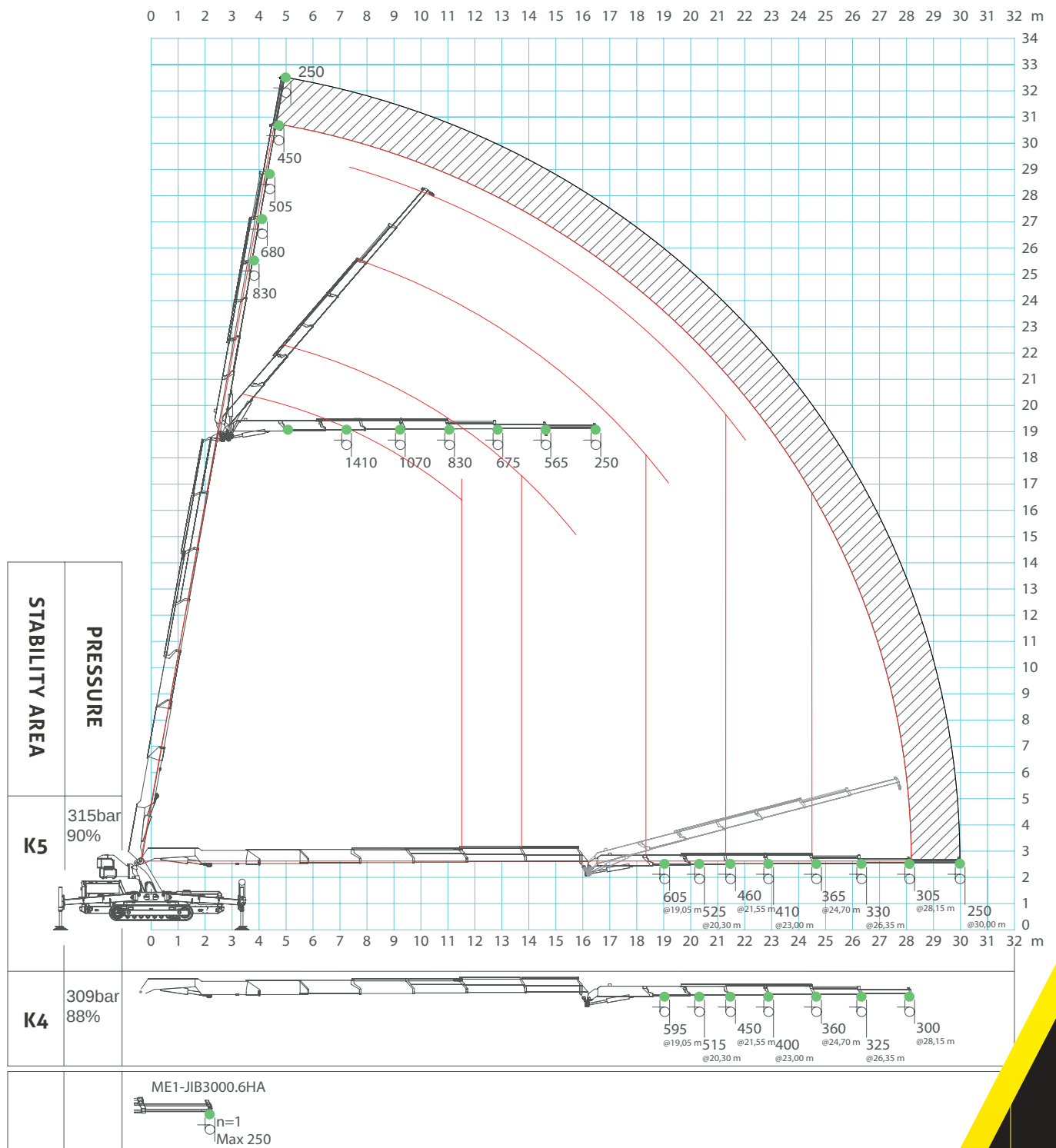
HOOK and FULL COUNTERWEIGHT installed



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JIB3000.6HA

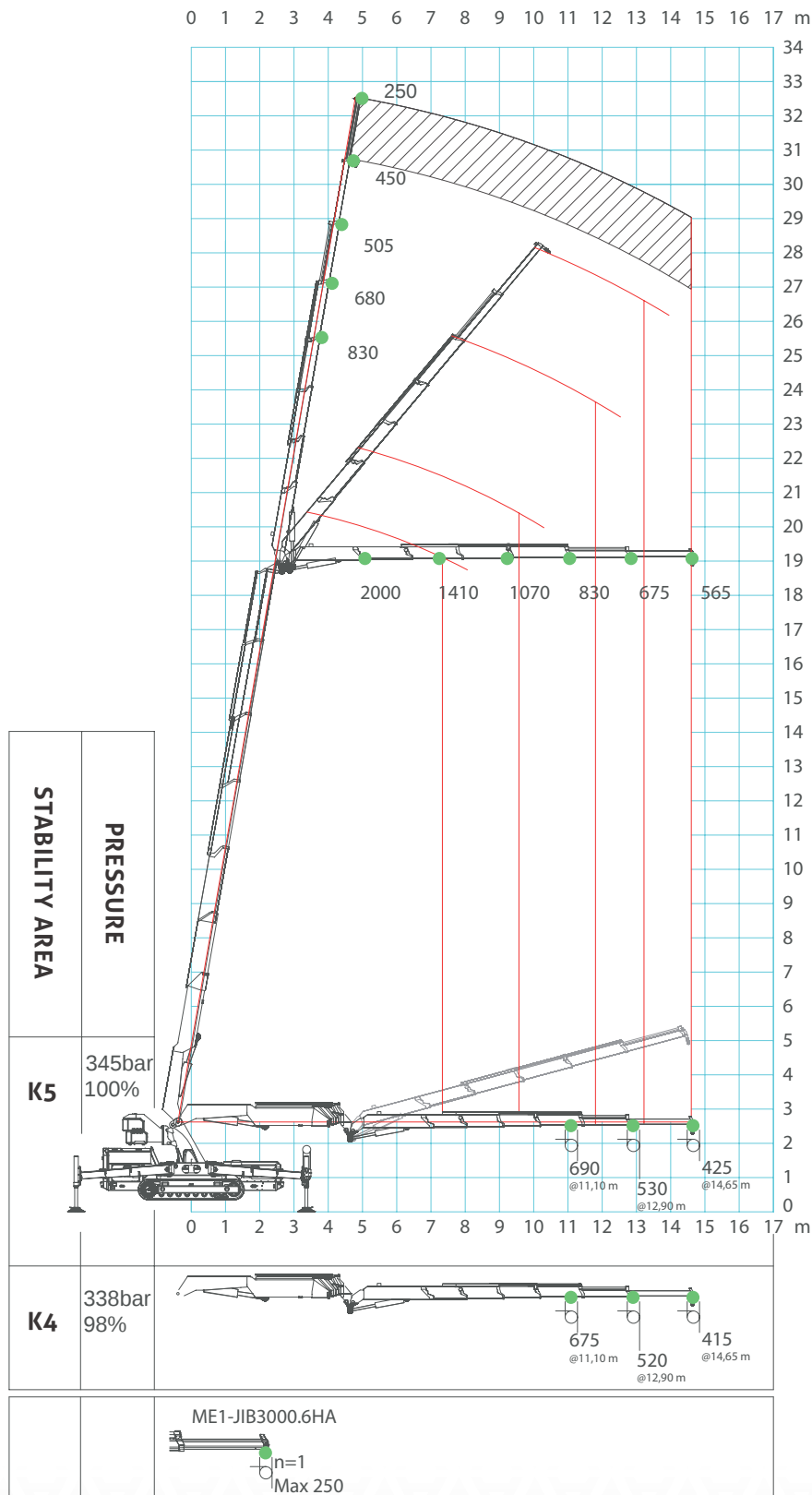
W2000-JFM and FULL COUNTERWEIGHT installed



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JIB3000.6HA

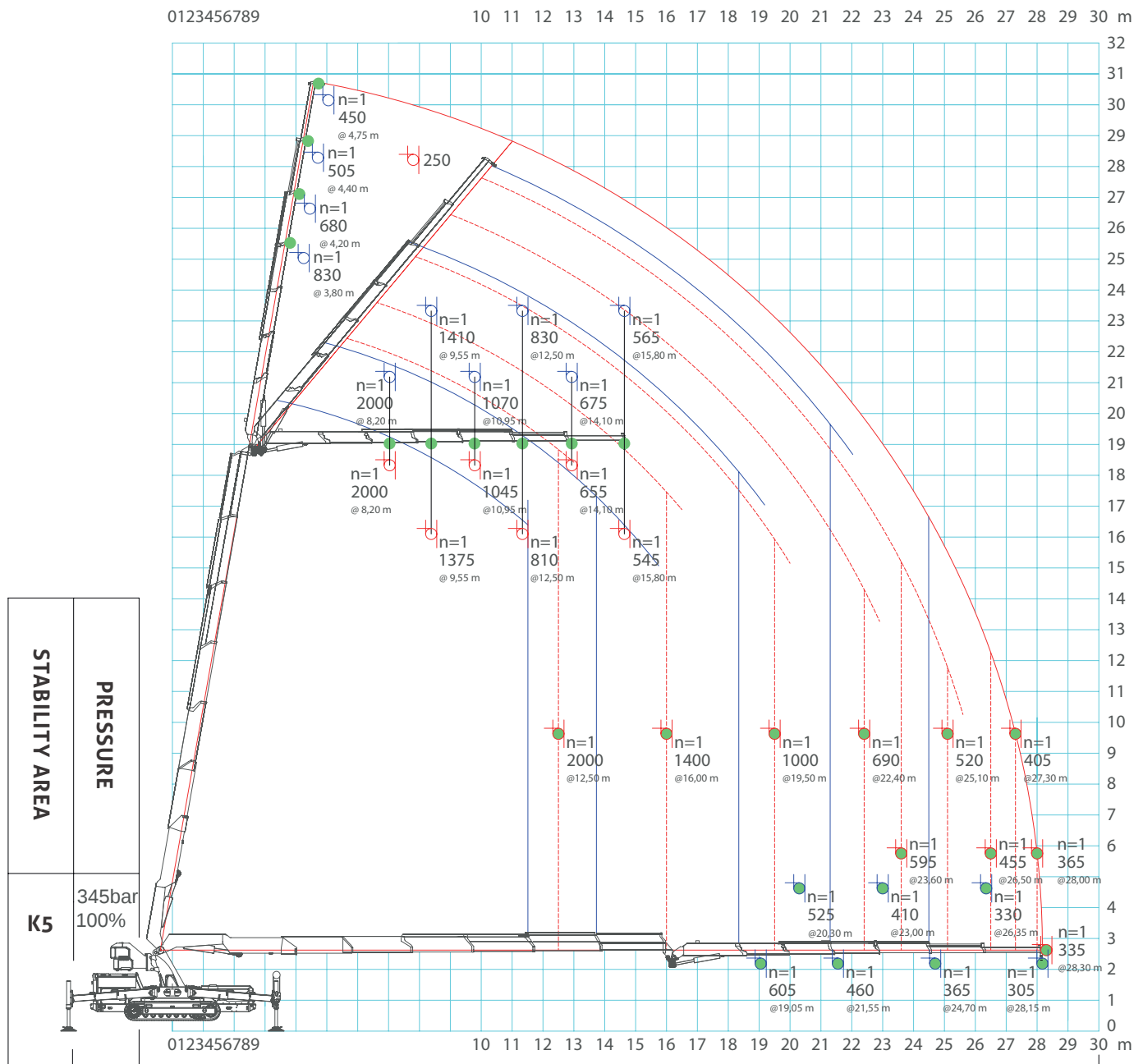
W2000-JFM and NO COUNTERWEIGHT installed



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STATIC / DYNAMIC LIFTING CAPACITY

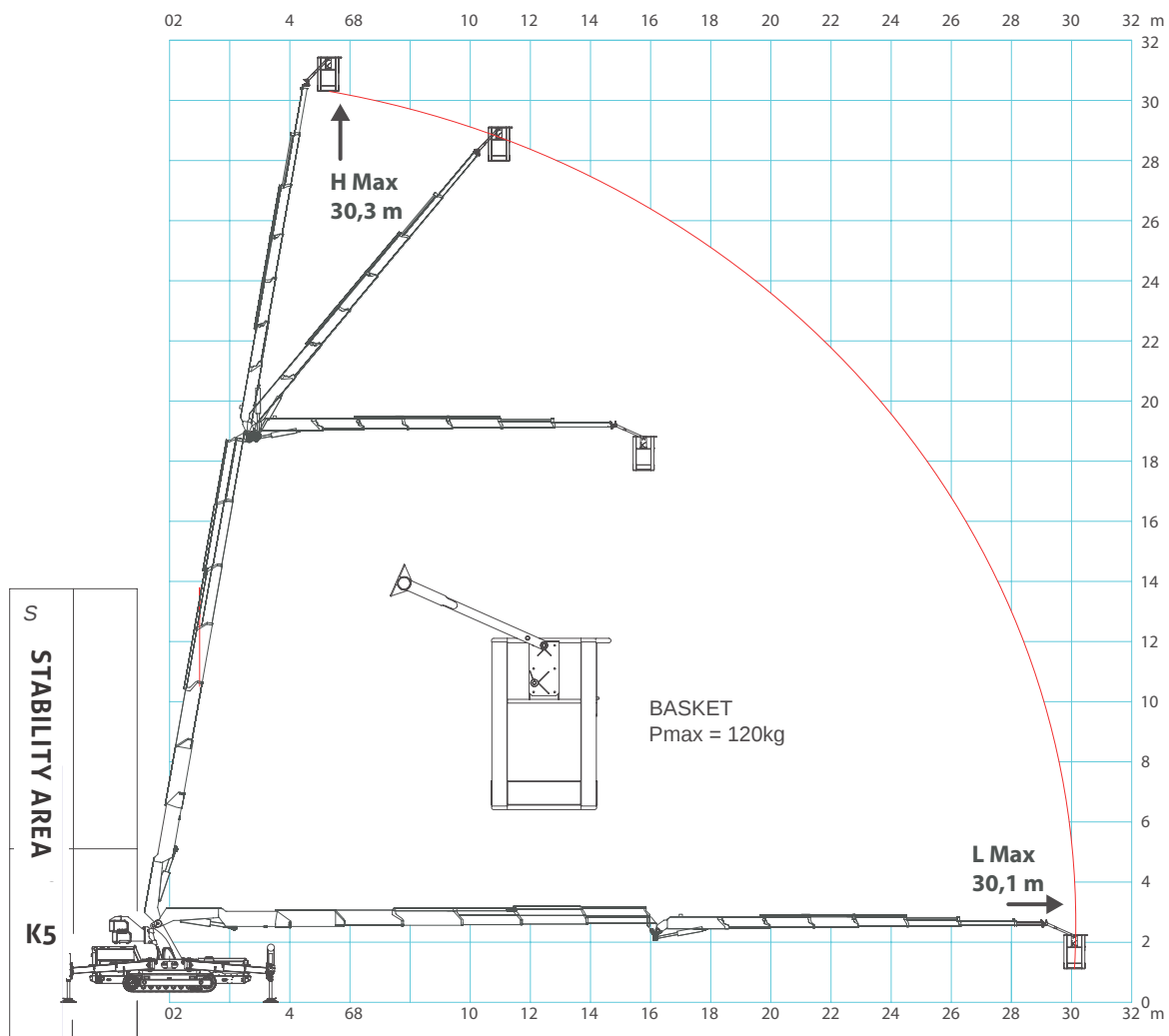
W2000-JFM and FULL COUNTERWEIGHT installed



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MWP-1PG.JIB3000.6H

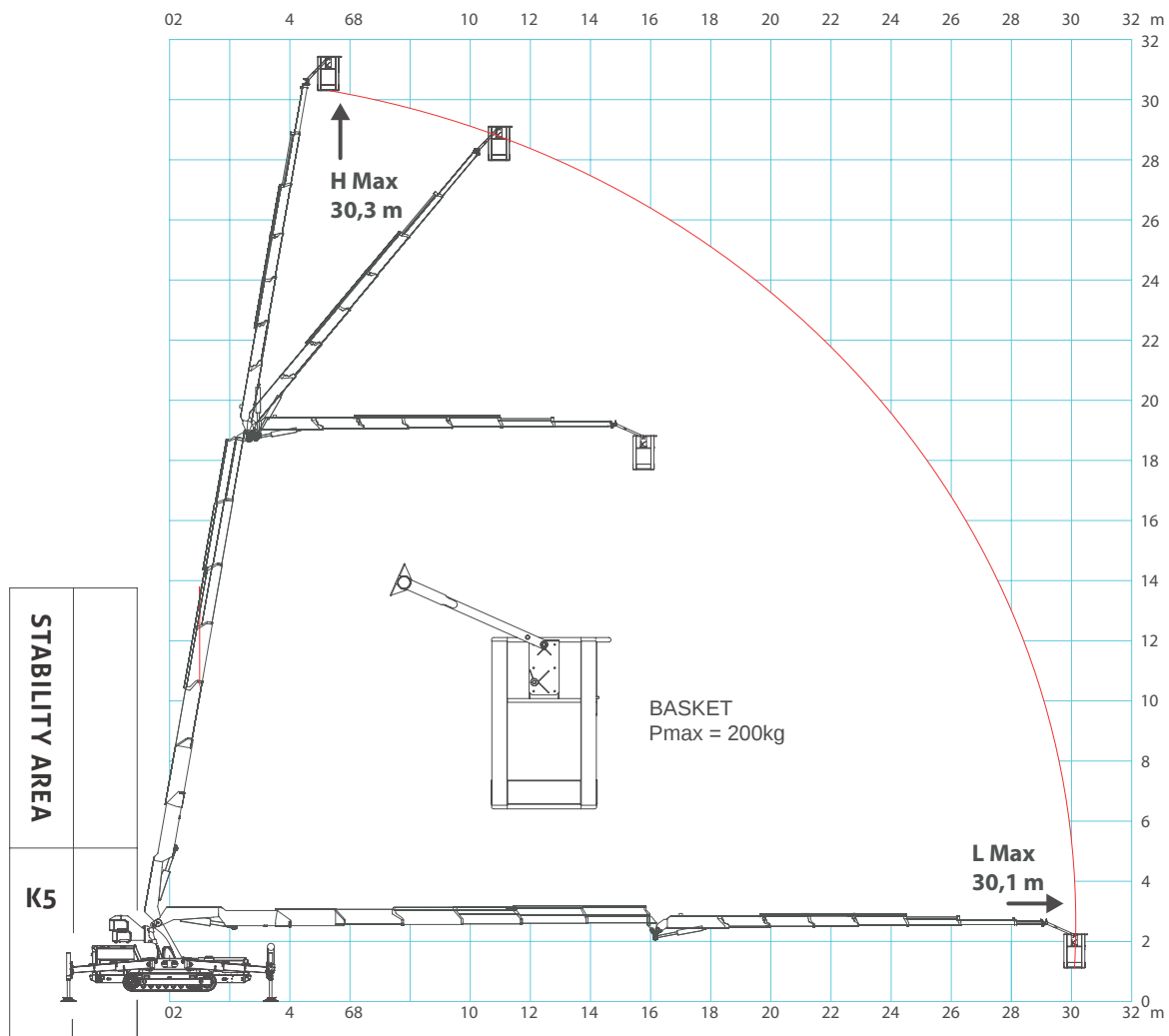
Man Working Platform for 1 Worker



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MWP-2PG.JIB3000.6H

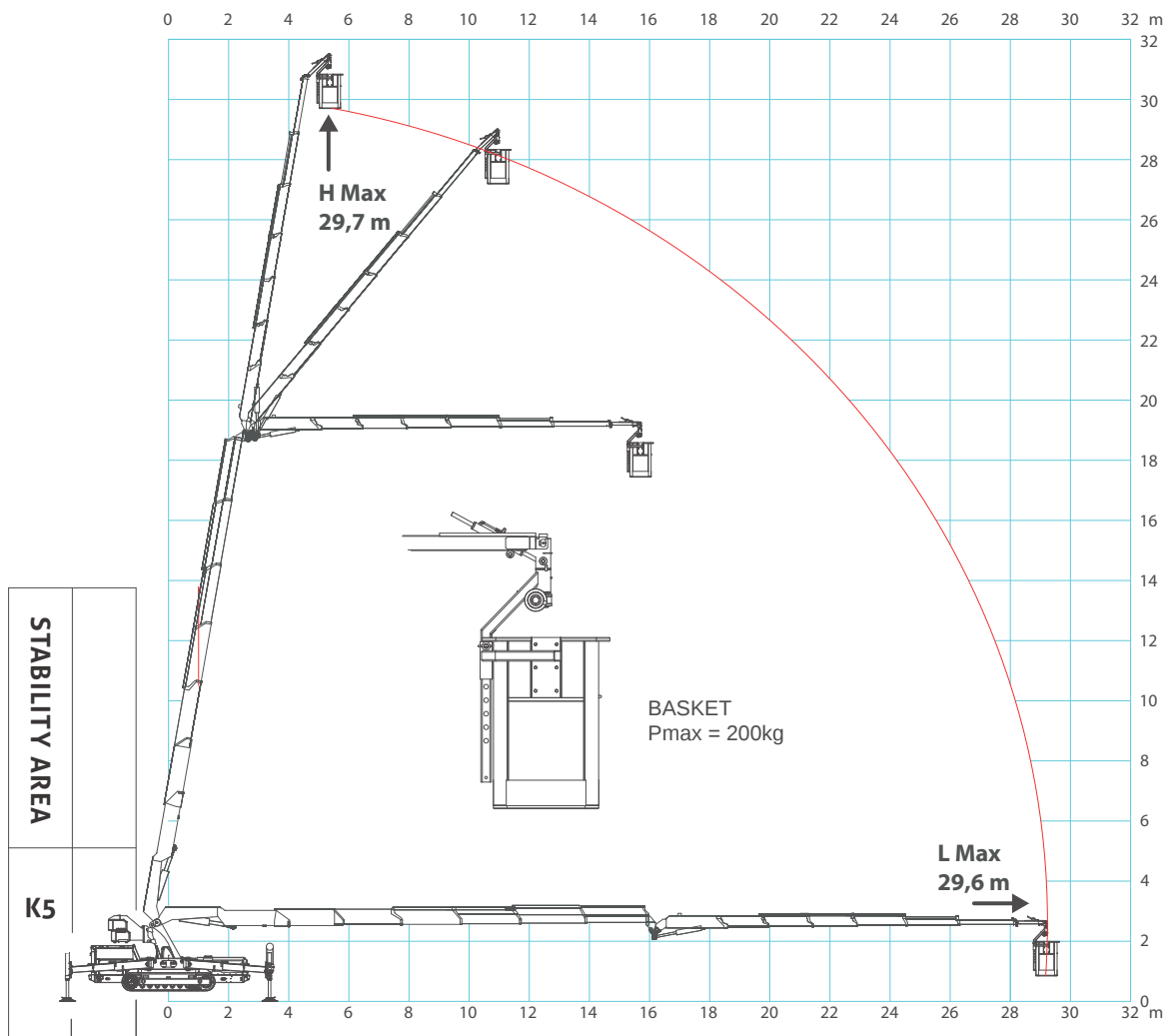
Man Working Platform for 2 Workers



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MWP-2PGR.JIB3000.6H

Man Working Platform for 2 Workers



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PLE STABILITY CONDITION

Maximum stability needs 8 conditions: 4 complete outriggers rotation and 4 complete outriggers extension. Every lack of condition induces a loss of working area. If more than one condition lack inhibit sectors are added.

Outrigger rotation is considered at its maximum when angle is $<43^\circ$.

Outrigger extension is considered at its maximum when is greater than 95%.



Permitted working area.

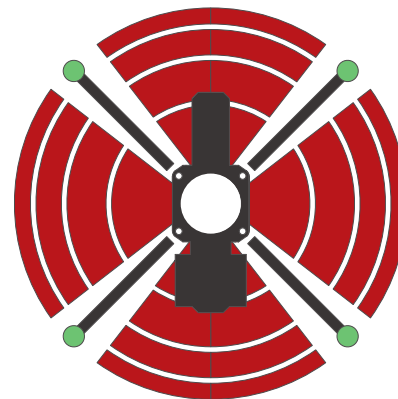


Not permitted working area.

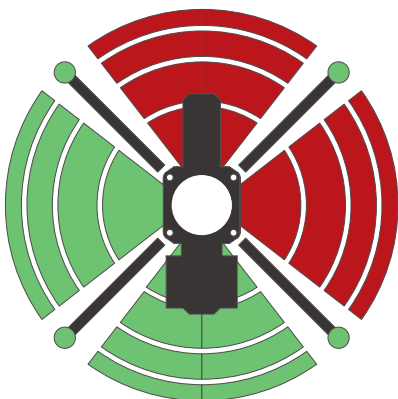


Maximum stability:

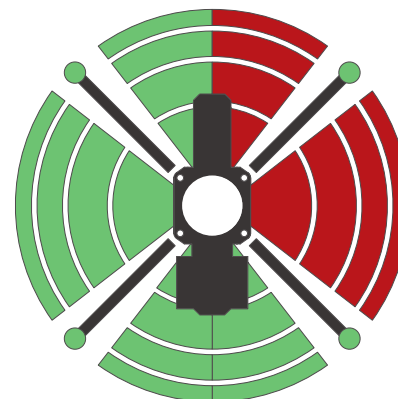
Full rotation of the outriggers.
Full extensions of the outriggers.



If even a single outriggers is not on the ground no possible movement is permitted.



Outrigger 1 not fully extended
but fully rotated.



Outrigger 1 fully extended
but not fully rotated.

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SYMBOLS

	Counterweight		Boom Angle
	Crane		Boom Length
	Travel Speed		Jib
	Gradeability		Main Winch
	Track Loading		Hook Block
	Engine		Hydraulic Oil
	Diesel Fuel		Powerpack
	Tank		Outriggers Mats
	Power		Slewing
	Outrigger Load		Weight
	Working Pressure		Voltage
	Fluid Flow		Working Temperature

ALTIDATM

CRANE HIRE

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