



# Technical Data

Specification & Capacities

## SPX309

S.N: \_\_\_\_\_



CP: 7,6kW/10,4Hp



C+: 4,0kW/5,5Hp



7'02" – 24'11"



1950lb



B30.5

[ft] [lb]



***SPX309***

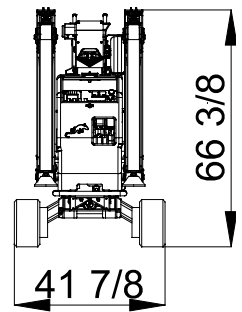
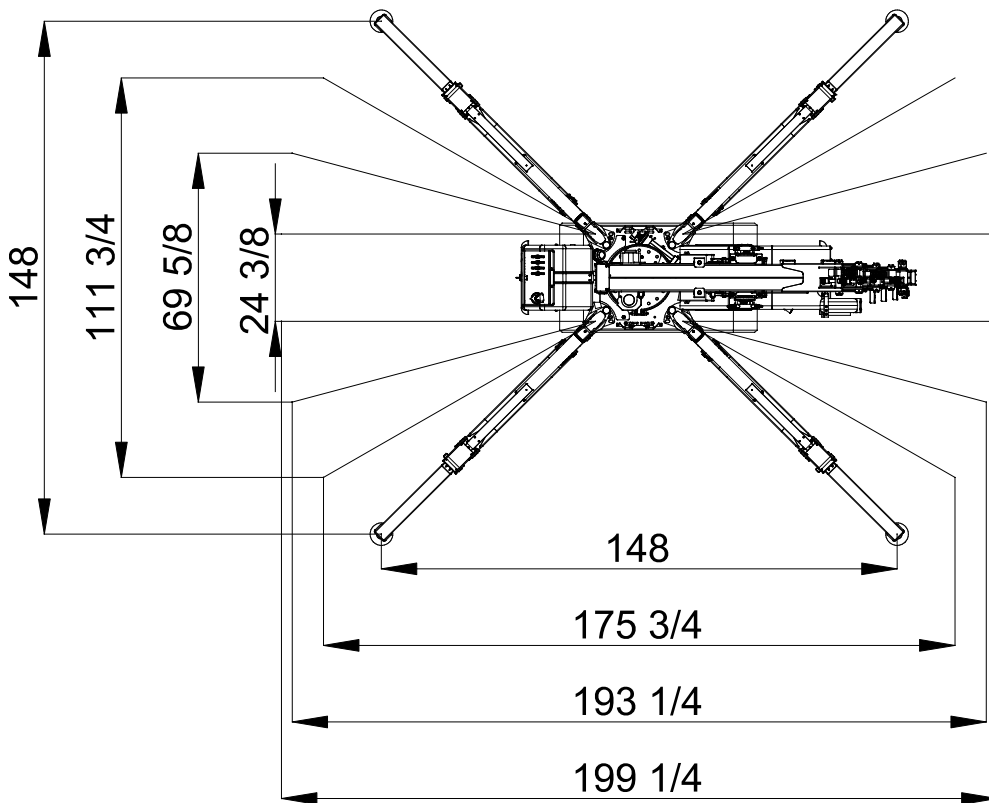
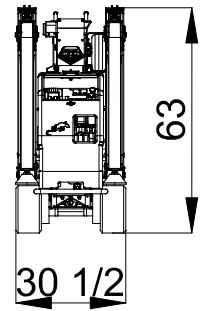
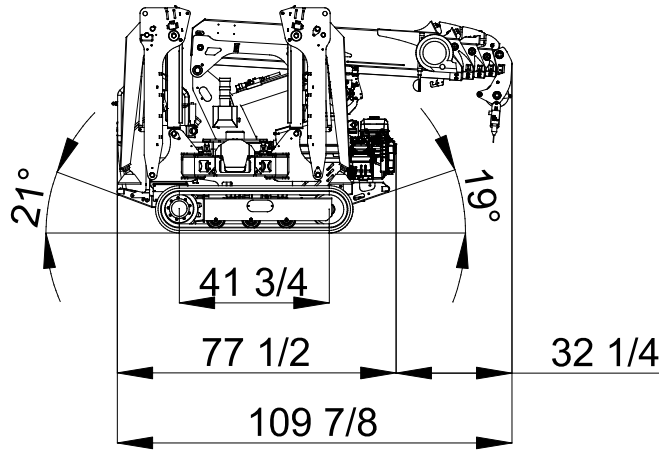


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Date	Nov. 26 <sup>th</sup> 2020
REV.	20.1

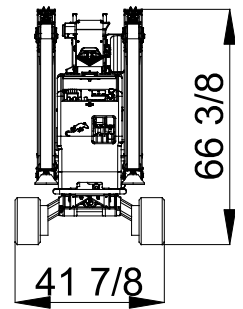
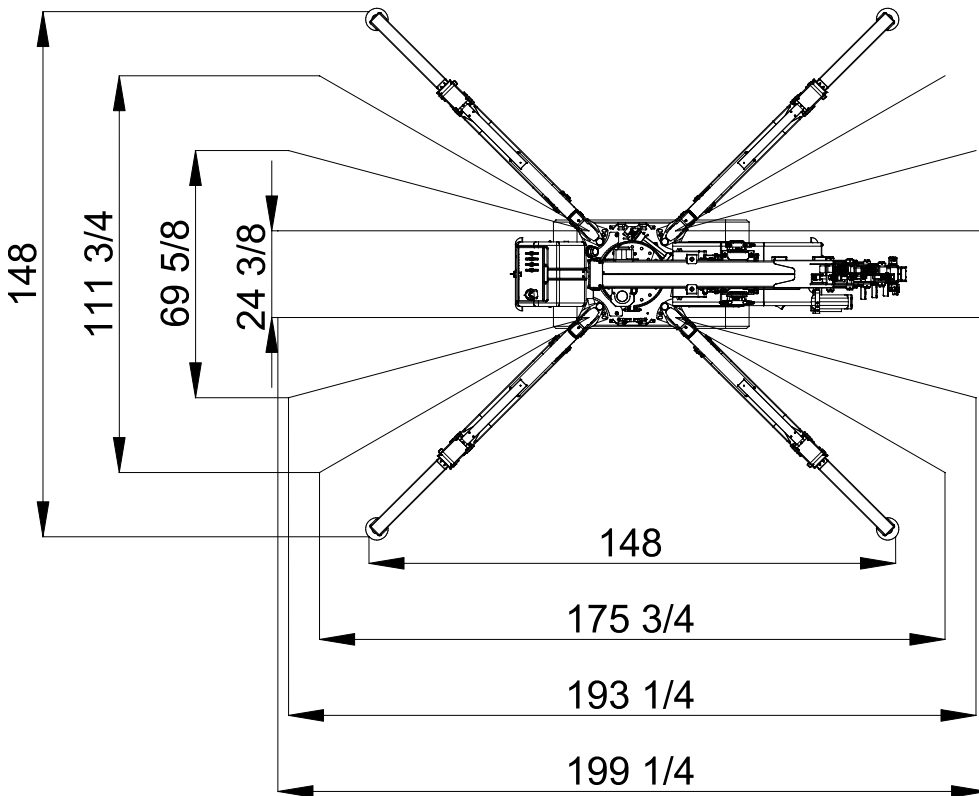
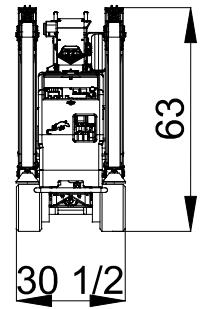
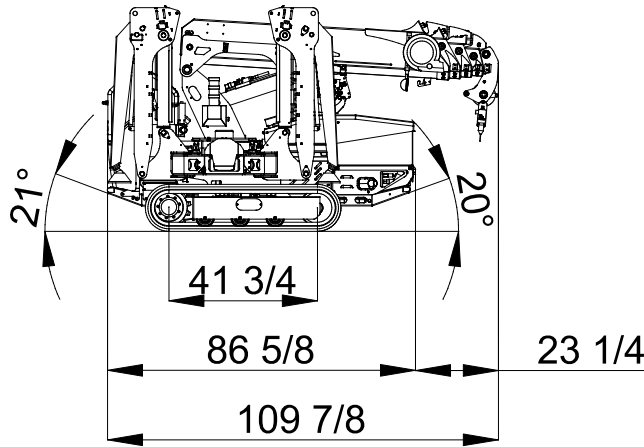
## SPX309 - OVERALL DIMENSIONS

SPX309CP / SPX309HCP



**SPX309 - OVERALL DIMENSIONS**

**SPX309C+ / SPX309HC+**



		Name / version	lb <sup>1</sup>
			CP, C+
	-	0	
	SINGLE FALL	59	
	MULTIPLE FALL	44	
	POWERPACK	99	
	800GX	55	
	400.1MX	128	
	OM300	37	
	WUK-01	3,3	

## WEIGHTS

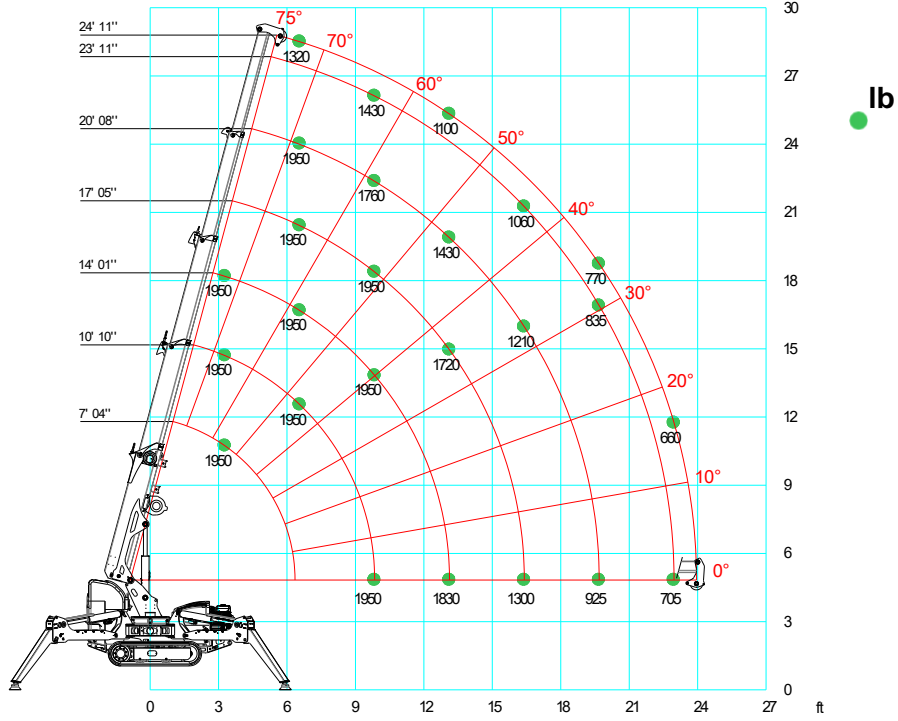
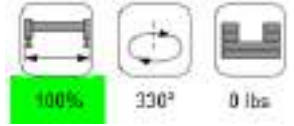
- 1: Dry weight
- 2: For HCP and HC+ only
- 3: Engine working limit
- 4: Static lifting

ENGINE		YAMAHA MZ360	
		7,6kW 10,4Hp	
		PETROL	
		gal	1,8
ELECTRIC		24V 240Ah	
		24V-3F 4,0kW 5,5HP	
HYDRAULIC		ISO 6743-4:HFDU with VG46 viscosity class	
		Working temp	<158°F
		gal	5,3
MOVEMENTS		mph	CP: 1,06 C+: 0,53
		20° (36%) <sup>3</sup>	
		lb/in <sup>2</sup>	6,25
		lb	4070 <sup>4</sup>
		0°/75°	
		s	24
		330°	
		rpm	1,0
		m	7'03" - 24' 11"
		s	40


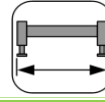
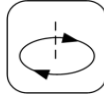

HOIST PERFORMANCE	Winch	Layer	Max line pull	Standard rope speed	Highest rope speed
			lb	ft/min	ft/min
		1	1632 <sup>1</sup>	40.0	84.3
		2	1518 <sup>1</sup>	43.6	91.9
		3	1404 <sup>1</sup>	45.9	96.8
	4	1320	49.5	104.3	
	Rope	Wire rope	Ø	Total lenght	Max load
			in	ft	lb
		A4L 19x7 right lang lay	9/32	206.7	7920
	Hook block	Load	N° of		Block type
lb		Sheaves	Lines		
1950		1	2	Multiple fall block	
1320		-	1	Single fall block	

<sup>1</sup>:LMI limited at 1320 lb


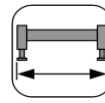
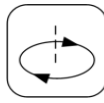

## SPX309 MAIN BOOM





[ft] \ [lb]	 MAIN BOOM	 100%	 330°	 0 lb				
	7' 03"	10' 10"	14' 01"	17' 05"	20' 08"	23' 11"	24' 11"	
3' 03"	1950	1950	1950					
6' 07"		1950	1950	1950	1950	1430	1320	
9' 10"		1950	1950	1950	1760	1430	1320	
13' 01"			1826	1716	1430	1210	1100	
16' 05"				1298	1210	1056	880	
19' 08"					924	836	770	
23' 00"						704	660	
23' 11"							660	

LC309\_V405\_1120\_BP\_FUNE\_STAB\_100

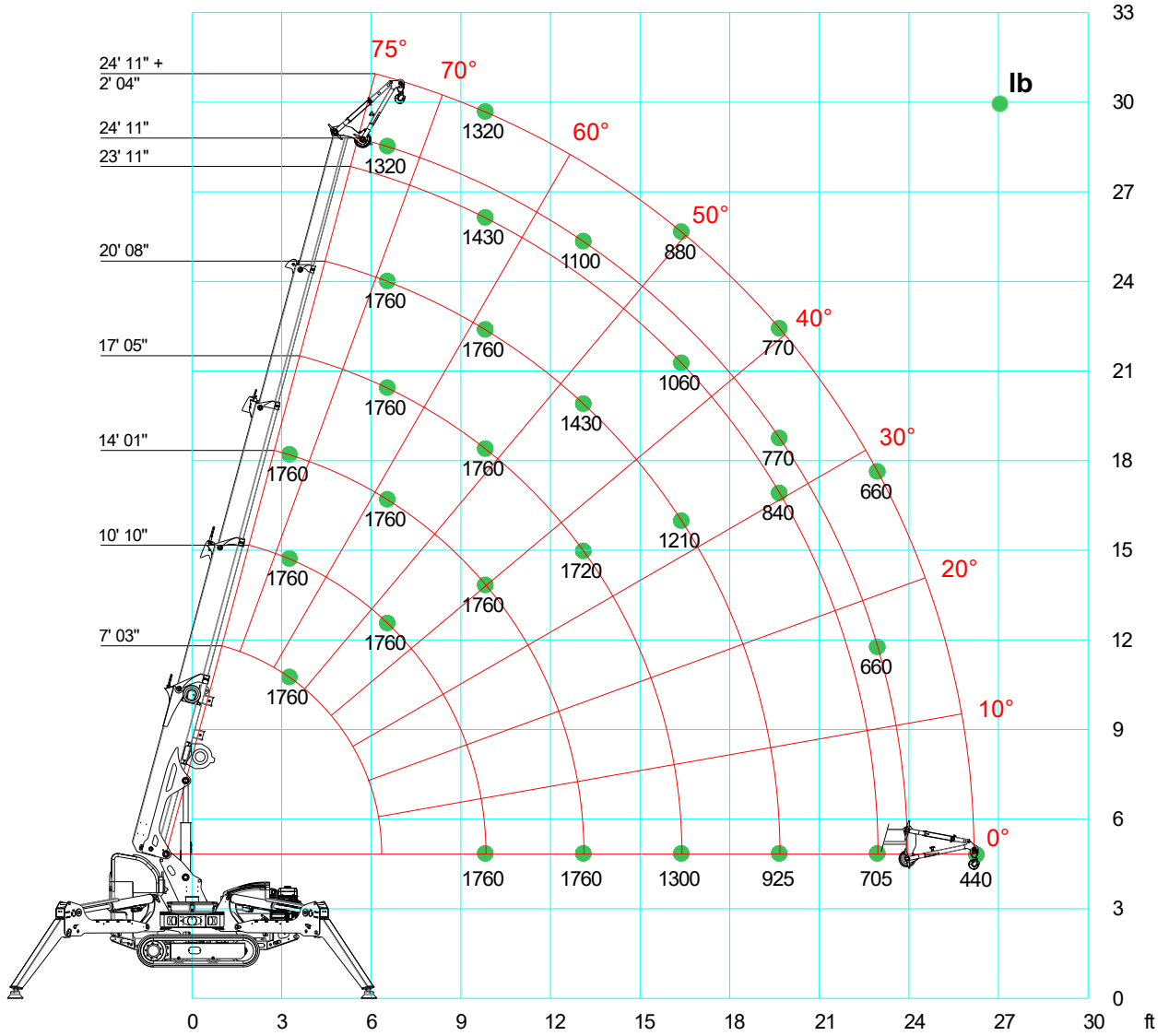
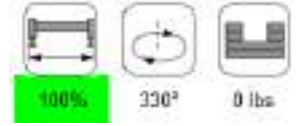
[ft] \ [lb]	 MAIN BOOM	 50%	 330°	 0 lb				
	7' 03"	10' 10"	14' 01"	17' 05"	20' 08"	23' 11"	24' 11"	
3' 03"	1950	1950	1950					
6' 07"		1950	1950	1950	1760	1210	1100	
9' 10"		1950	1950	1760	1584	1210	1100	
13' 01"			1144	1078	858	726	660	
16' 05"				748	704	594	484	
19' 08"					550	484	440	
23' 00"						396	396	
23' 11"							330	

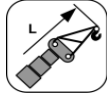
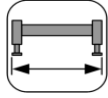
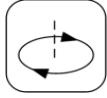

LC309\_V405\_1120\_BP\_FUNE\_STAB\_50




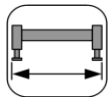
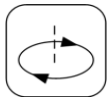

# SPX309

## SPX309 + JIB800GX



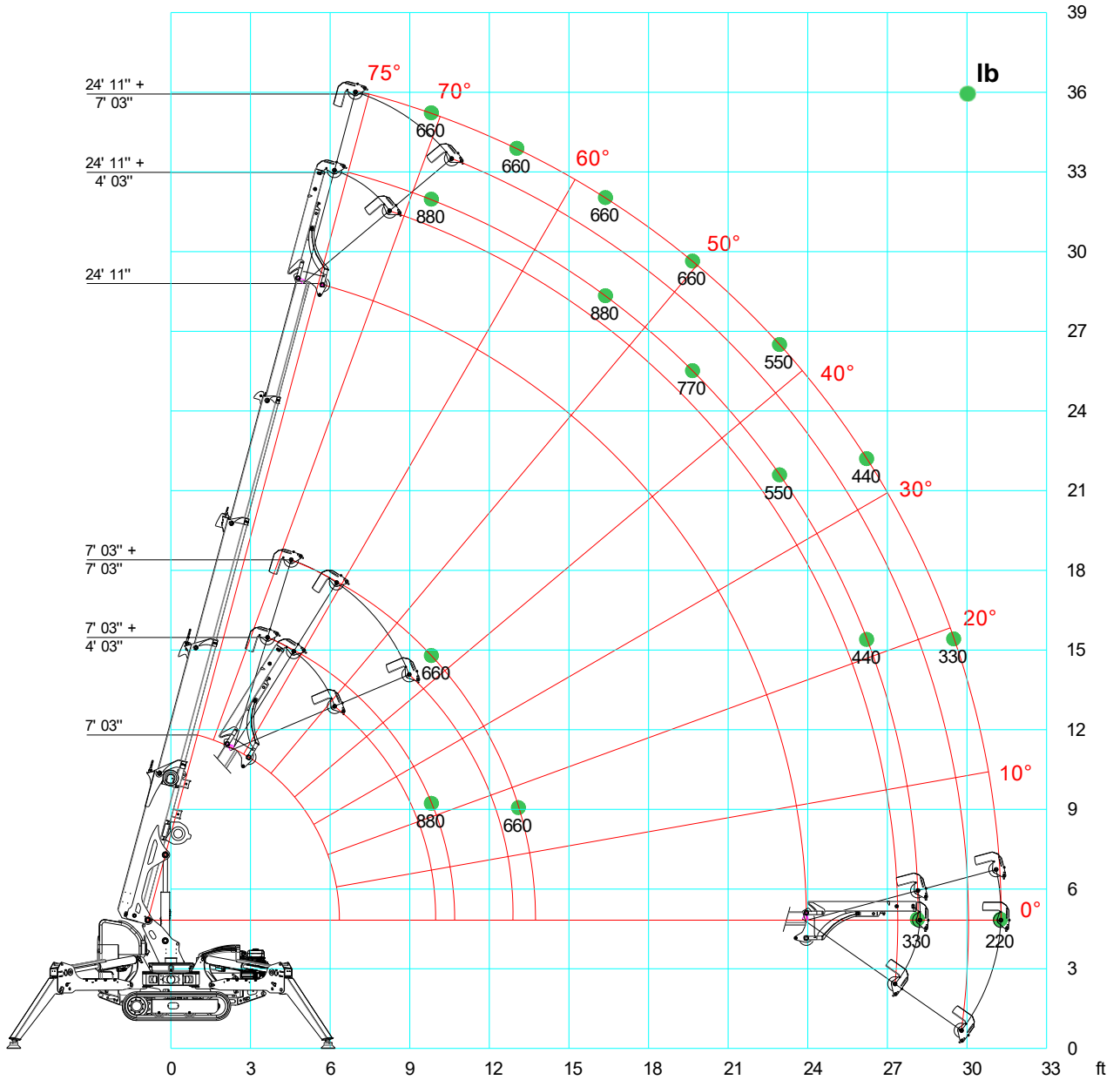
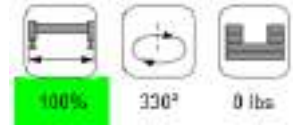
[ft] \ [lb]	 JIB800GX	 100%	 330°	 0 lb				
	<b>7' 03"</b>	<b>10' 10"</b>	<b>14' 01"</b>	<b>17' 05"</b>	<b>20' 08"</b>	<b>23' 11"</b>	<b>24' 11"</b>	
3' 03"	1760	1760	1760					
6' 07"		1760	1760	1760	1760	1430	1320	
9' 10"		1760	1760	1760	1760	1430	1320	
13' 01"			1760	1716	1430	1210	1100	
16' 05"				1298	1210	1056	880	
19' 08"					924	836	770	
23' 00"						704	660	
26' 03"							440	


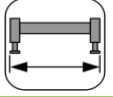
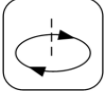
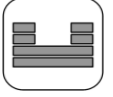
LC309\_V405\_1120\_RUNNER\_GANCIO\_STAB\_100

[ft] \ [lb]	 JIB800GX	 50%	 330°	 0 lb				
	<b>9' 06"</b>	<b>10' 10"</b>	<b>14' 01"</b>	<b>17' 05"</b>	<b>20' 08"</b>	<b>23' 11"</b>	<b>27' 03"</b>	
3' 03"	1760	1760	1760					
6' 07"		1760	1760	1760	1760	1210	1100	
9' 10"		1760	1760	1760	1584	1210	1100	
13' 01"			1144	1078	858	726	660	
16' 05"				748	704	594	484	
19' 08"					550	484	440	
23' 00"						396	396	
26' 03"							220	


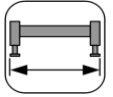
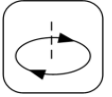

LC309\_V405\_1120\_RUNNER\_GANCIO\_STAB\_50

## SPX309 + JIB400.1MX



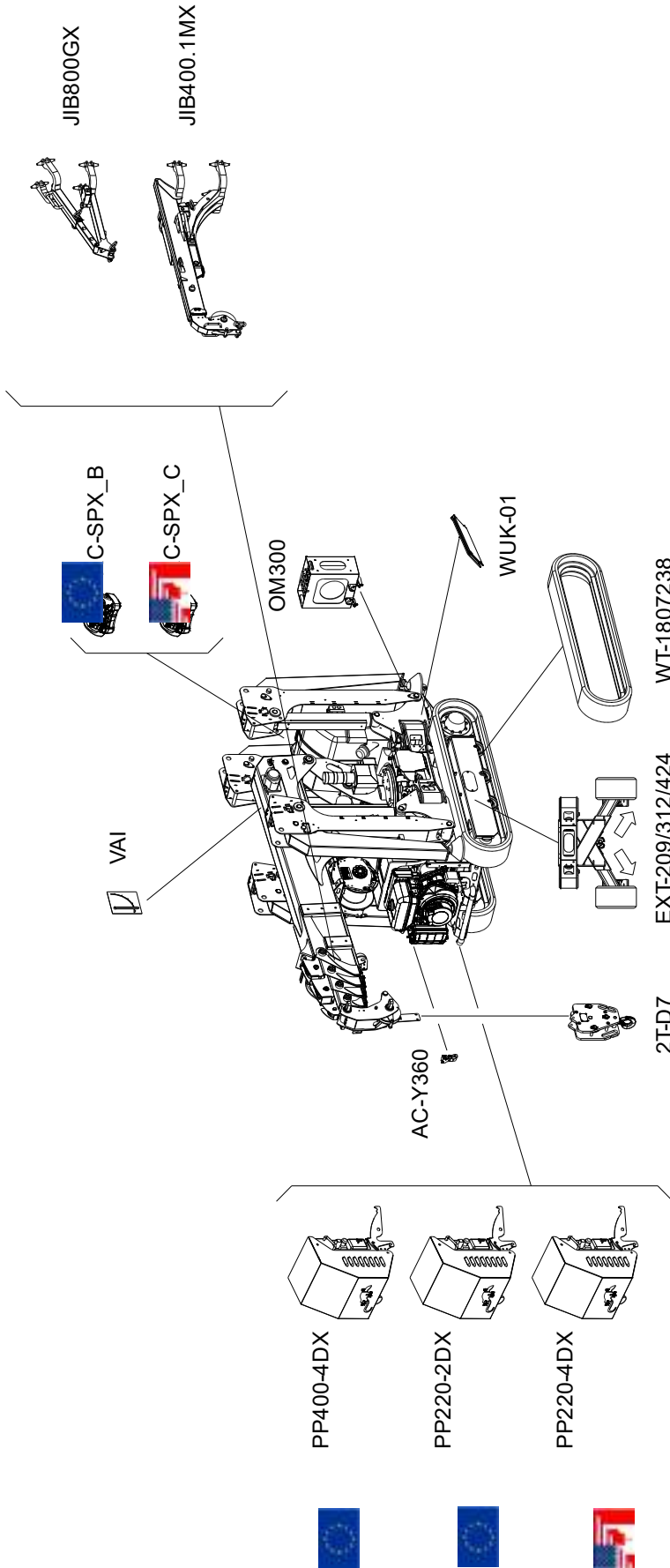
[ft]				
	[lb] JIB400.1MX	100%	330°	0 lb
	4' 03"	7' 03"		
6' 07"	880	660		
9' 10"		660		
13' 01"		660		
16' 05"				
19' 08"				
23' 00"				
26' 03"				
28' 03"				
31' 06"				

LC309\_V405\_1120\_RUNNER\_GANCIO\_STAB\_100

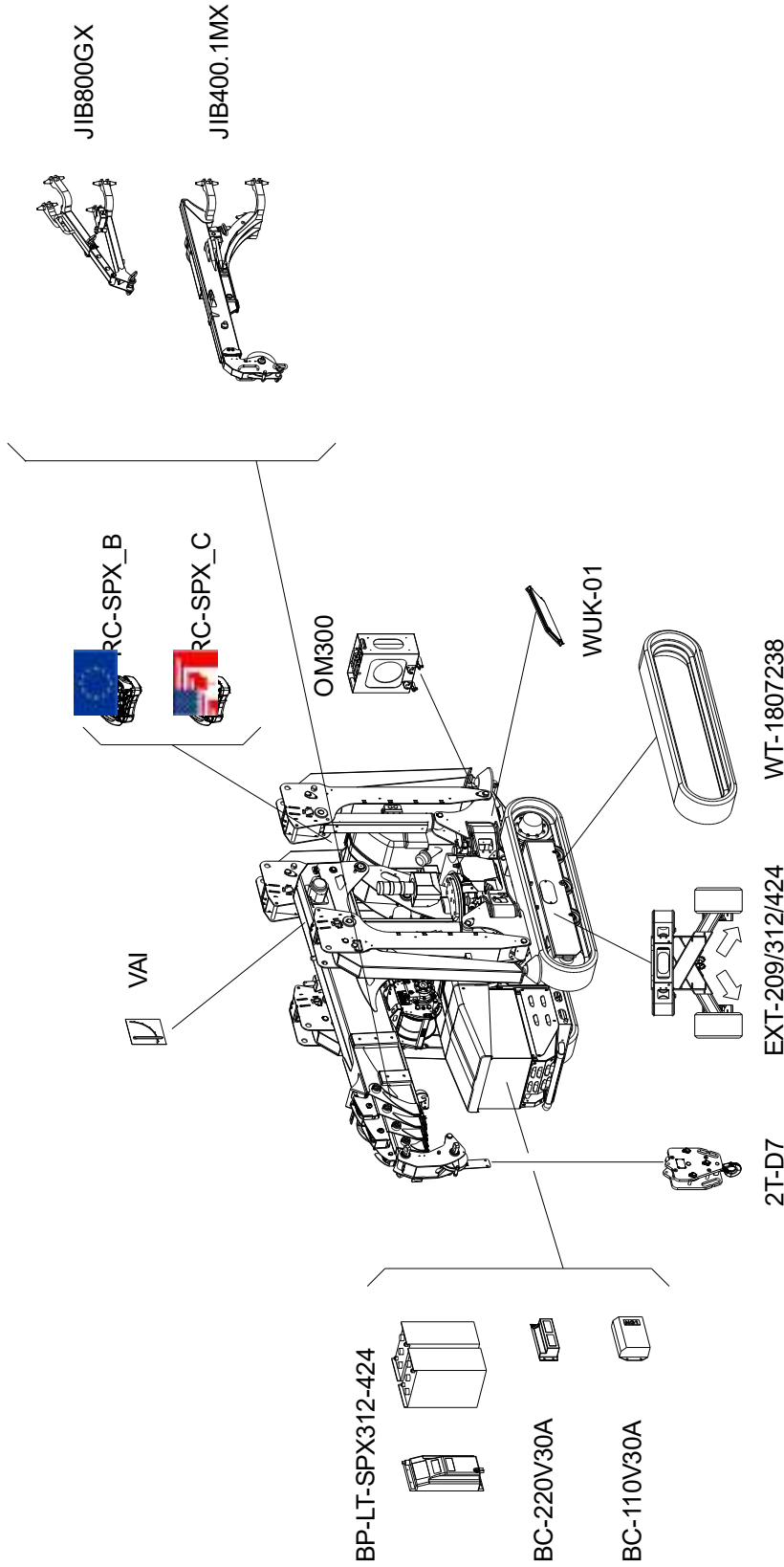
[ft]				
	[lb] JIB400.1MX	50%	330°	0 lb
	4' 03"	7' 03"		
6' 07"	880	660		
9' 10"	880	660		
13' 01"	880	660		
16' 05"	660	550		
19' 08"	440	440		
23' 00"	220	220		

LC309\_V405\_1120\_RUNNER\_GANCIO\_STAB\_50

## ACCESSORIES



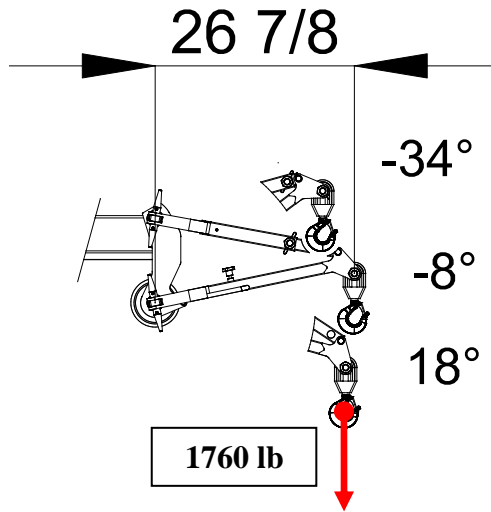
	STD	PC-01	PC-11
<b>Boom, covers and outriggers</b>	RAL2004	RAL____	RAL____
<b>Chassis, frames and tanks</b>	RAL7021	RAL7021	RAL____



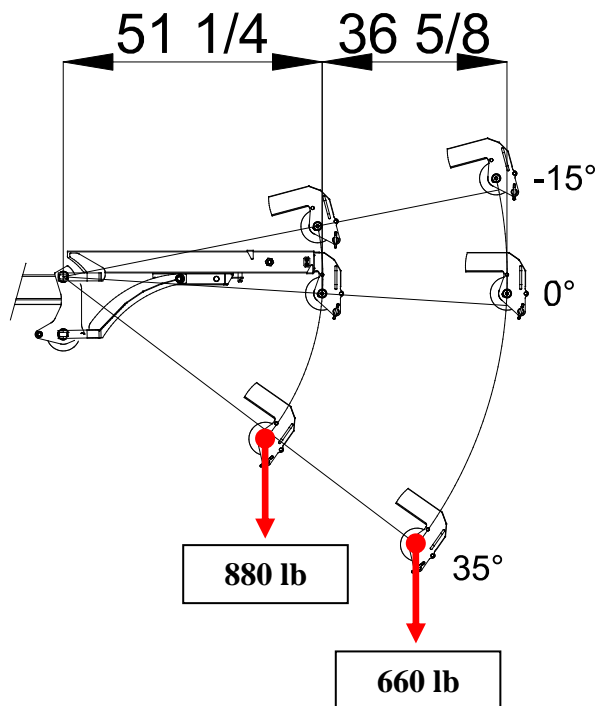
	STD	PC-01	PC-11
<b>Boom, covers and outriggers</b>	RAL2004	RAL_____	RAL_____
<b>Chassis, frames and tanks</b>	RAL7021	RAL7021	RAL_____

# ACCESSORIES FEATURES

JIB800GX

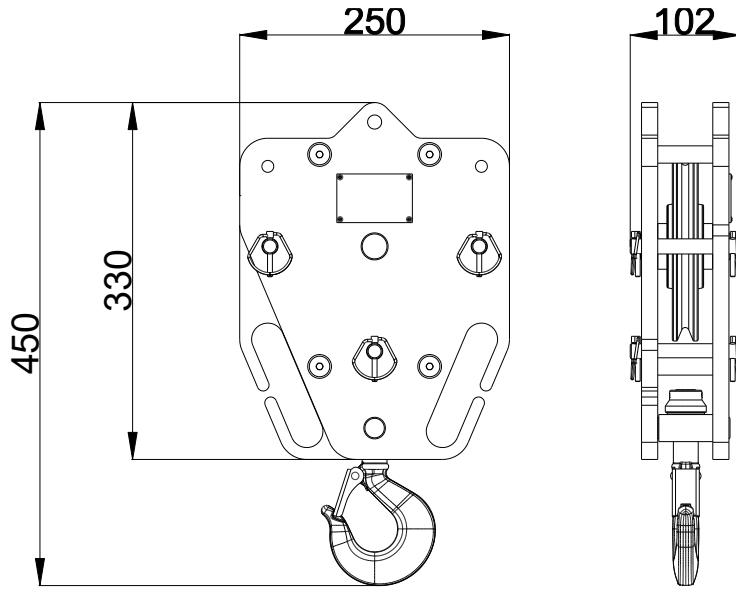


JIB400.1MX






















































**2TD7 BLOCK**



## SYMBOLS

	Weight		Chart Wheels		Engine		Jib length and angle
	Counterweight		Minipicker		Diesel Fuel		Jib Length
	Crane		Back Wheel Point Loading		Gasoline Fuel		Jib Radius
	Travel Speed		Front wheel Point Loading		Tank		Hydraulic Jib Length
	Gradeability		Travel Speed		Battery		Hydraulic Jib Radius
	Outrigger Load		Gradeability		Power		Mechanical Jib Length
	Track Loading		Working Radius		Boom Angle		Mechanical Jib Radius
	Outriggers Setup		Hookblock		Boom Length		Manipulator Length
	Ext Tracks Width		Slewing		Boom Radius		Manipulator Radius
	Chart On Tracks		Slewing Locked		Jib Hook Radius		Maximum inclination of the machinery
	Jib on board		Without jib on board		Standard		Stabilizing bar
	Horizontal boom angle		Number of vacuum pads		Factory max. load		Building site max. load
	Powerpack		Outriggers mats		Winter warm-up kit		Hydraulic oil

### Remarks referring to load chart

- For the calculation of the load charts at least a wind speed of 30 ft/s (20mph) and regarding the load a sail area of 1m<sup>2</sup> (1.2 yd<sup>2</sup>) per metric ton load (2205 lb) and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be
- Lifting capacities are given in kilograms.
- The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
- Working radii are measured from the slewing centre.
- The lifting capacities given for the telescopic boom apply if the folding jib is removed.
- Subject to modification of lifting capacities.



NOTES

A large, empty rectangular box with a thin black border, intended for handwritten notes.



DEALER



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