



# Technical Data

## Specification & Capacities



**SPX424**

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



CDH: 14,9kW/20Hp



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



8'6" – 27'11"



5290 lb



**SPX424**



**SPX424**



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Date	Jul. 16 <sup>th</sup> 2018
REV.	22



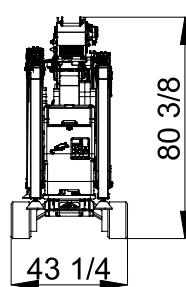
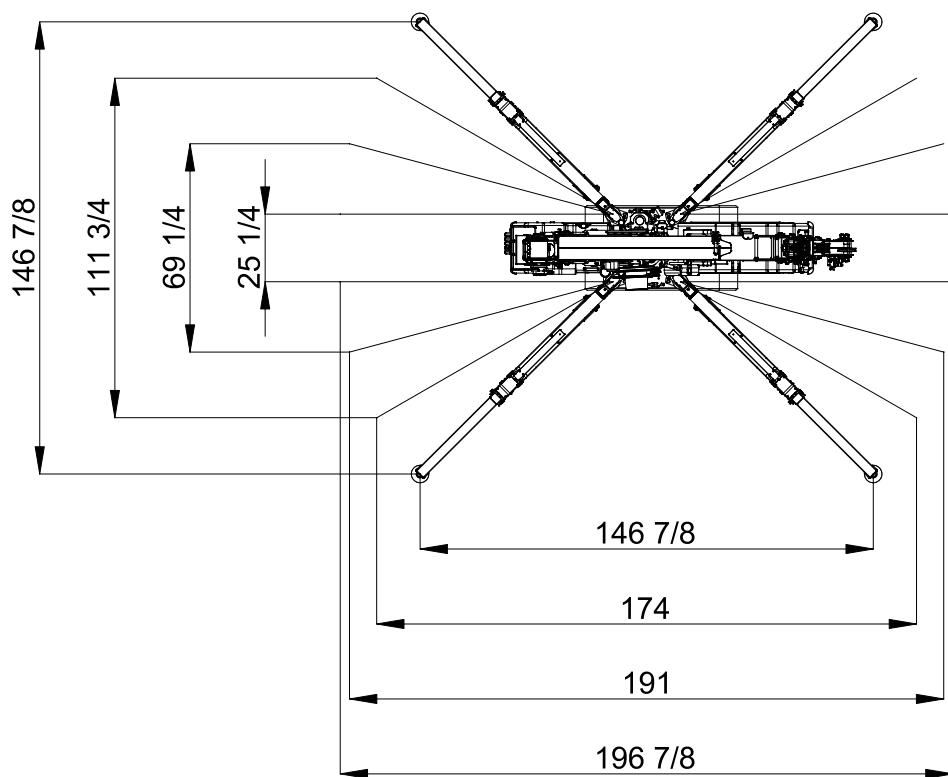
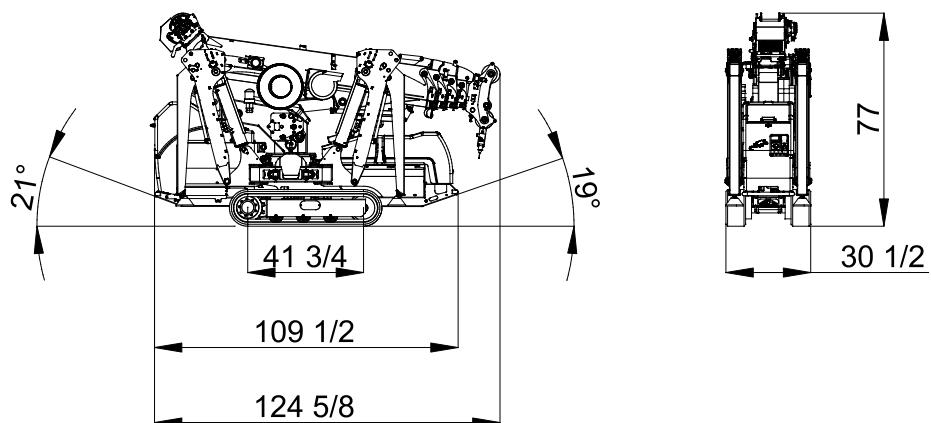
**SPX424**



**SPX424**

## SPX424 - OVERALL DIMENSIONS

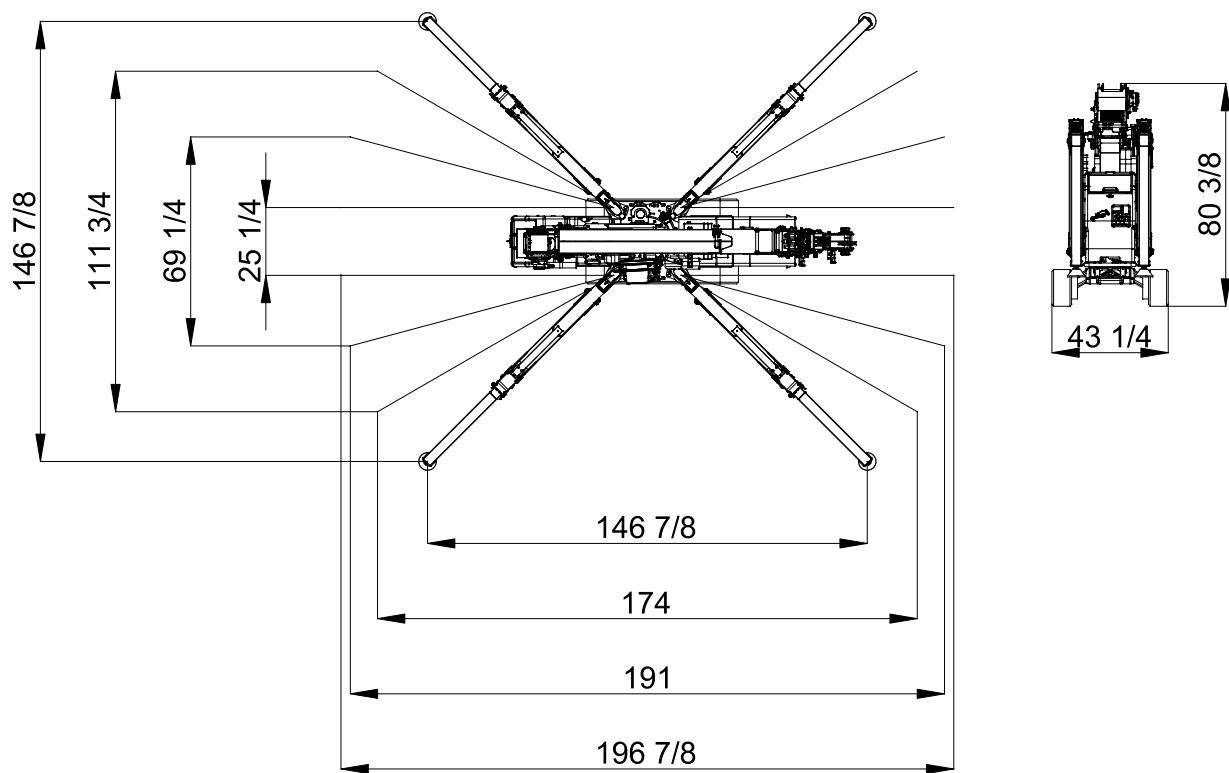
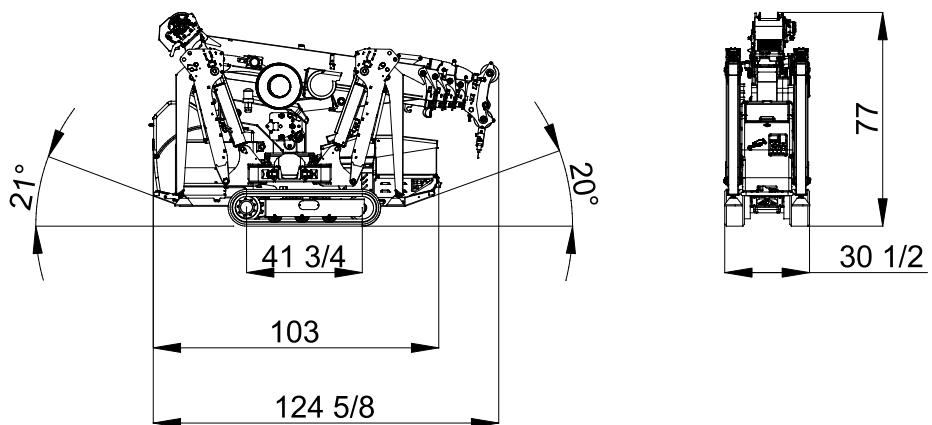
**SPX424CDH**

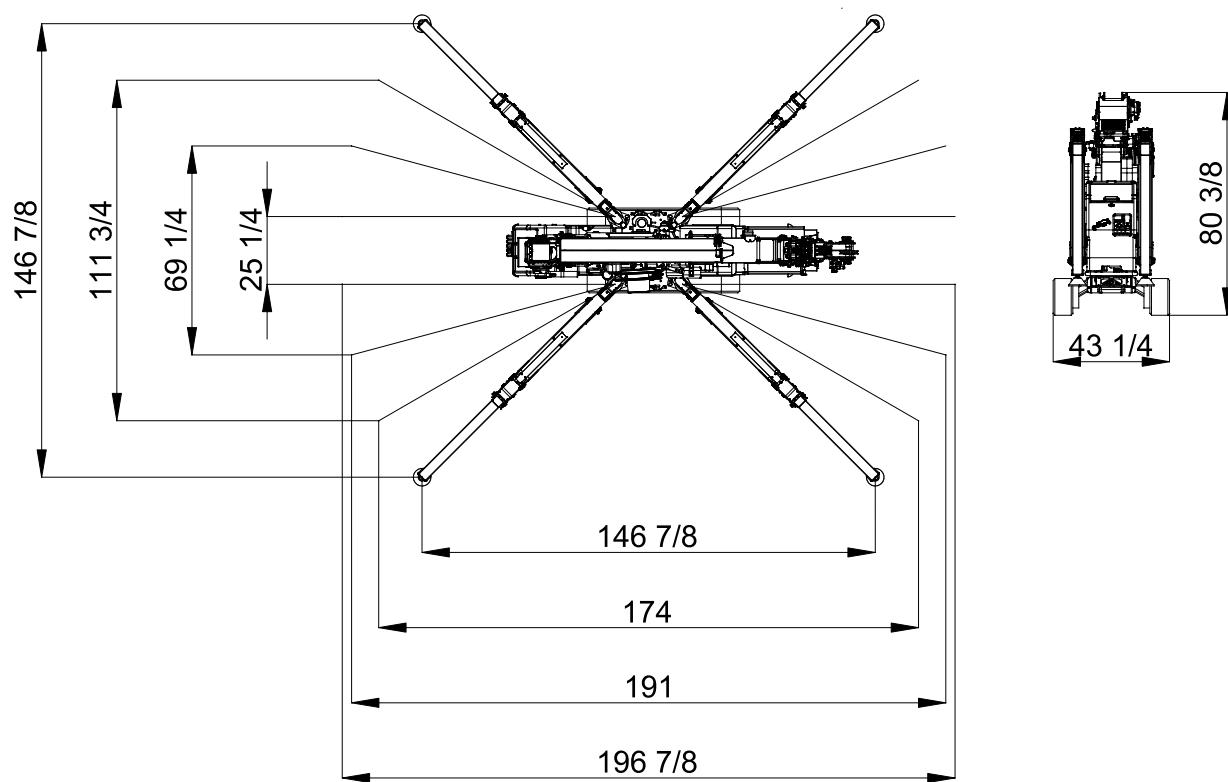
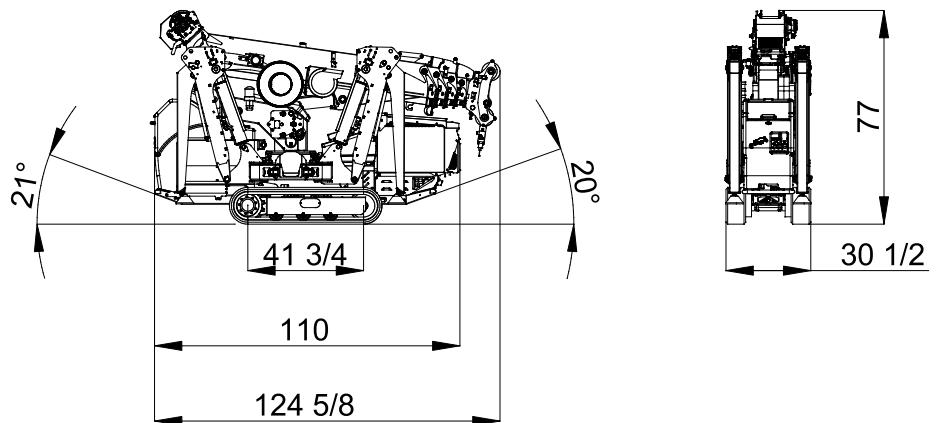




**SPX424**

**SPX424C+**



**SPX424C+**




# SPX424

WEIGHTS	Name / version	lb <sup>1</sup>
	CDH, C+	4576
	CDH, C+	440
	SINGLE FALL	59
	MULTIPLE FALL	44
	POWERPACK	99
	800GX	55
	800.1MX	242
	800.2H1MX	374
	MV600	440
	MR800	649
	HA-SPX424	66
	OM400	37
	WUK-02	3,3

<sup>1</sup>: Dry weight

<sup>2</sup>: Engine working limit

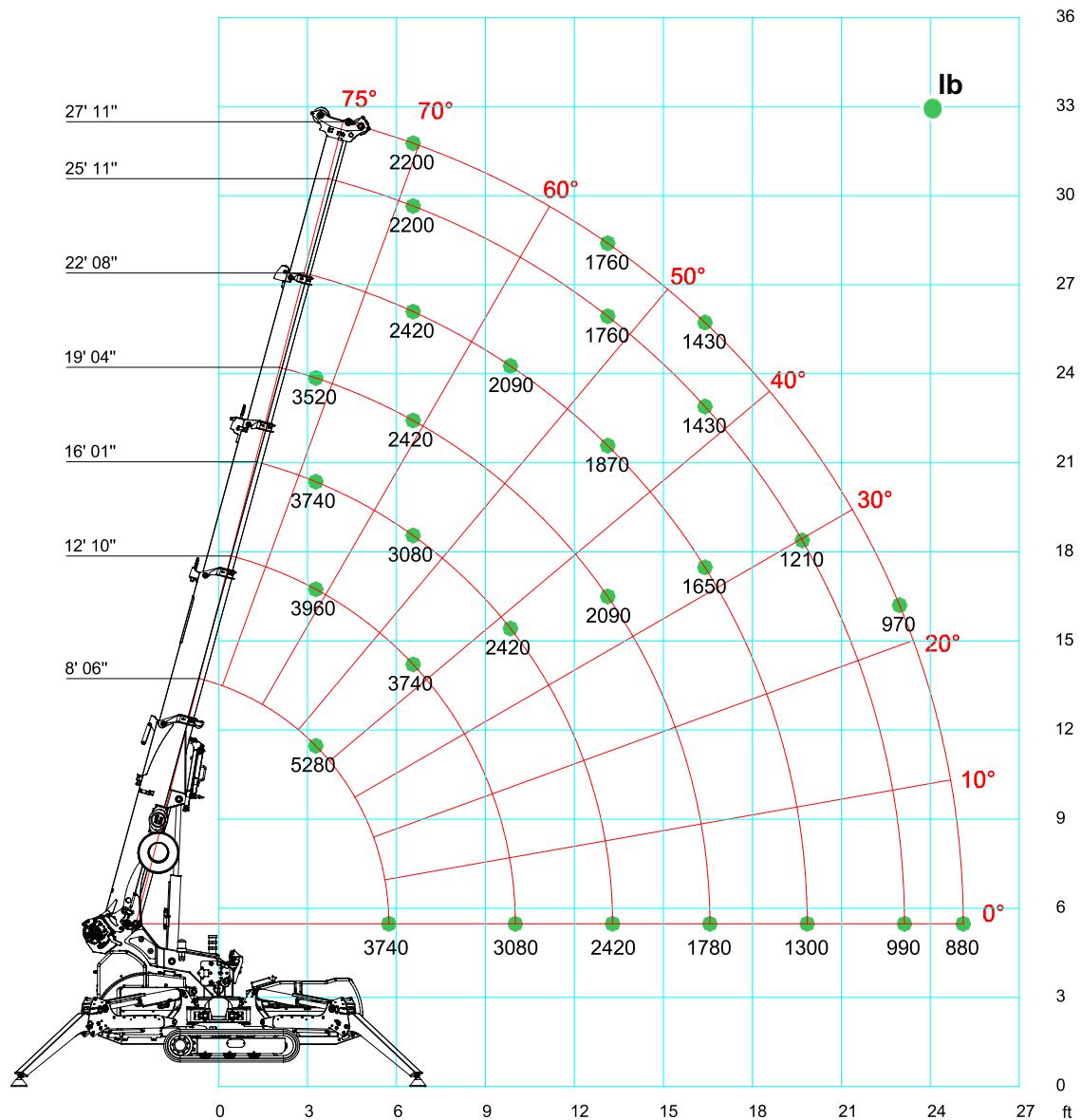
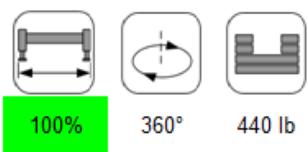
<sup>3</sup>: Static lifting

MOVEMENTS	ENGINE	KUBOTA D722-E3B
	kW	14,9kW 20Hp
		DIESEL
	gal	2,6
	C+: 24V 240Ah C++: 24V 420Ah	
	Li: 24V 288Ah	
	kW	24V-3F 4,0kW 5,5HP
	ISO 6743-4:HFDU with VG46 viscosity class	
	Working temp	<158°F
	gal	9,2
	mph	CDH: 1,12 C+: 0,45
		20° (36%) <sup>2</sup>
	lb/in <sup>2</sup>	7,82
	lb	4840 <sup>3</sup>
		0°/75°
	s	14
		360°
	rpm	1,5
	m	8' 06" - 27' 11"
	s	26

**SPX424**

HOIST PERFORMANCE	Winch	Layer	Max line pull	Standard rope speed	Highest rope speed
			lb	ft/min	ft/min
		1	2200 <sup>1</sup>	68,9	84,3
		2	2046 <sup>1</sup>	73,8	91,9
		3	1892 <sup>1</sup>	80,4	96,8
		4	1760	85,3	104,3
	Rope	Wire rope	Ø	Total lenght	Max load
			in	ft	lb
		A4 ALC	9/32	230	10934
	Hook block	Load	N° of		Block type
		lb	Sheaves	Lines	
		1950	2	3	Multiple fall block
		1950	1	2	
		1760	-	1	Single fall block

<sup>1</sup>:LMI limited at 1760 lb

**SPX424 – MAIN BOOM**


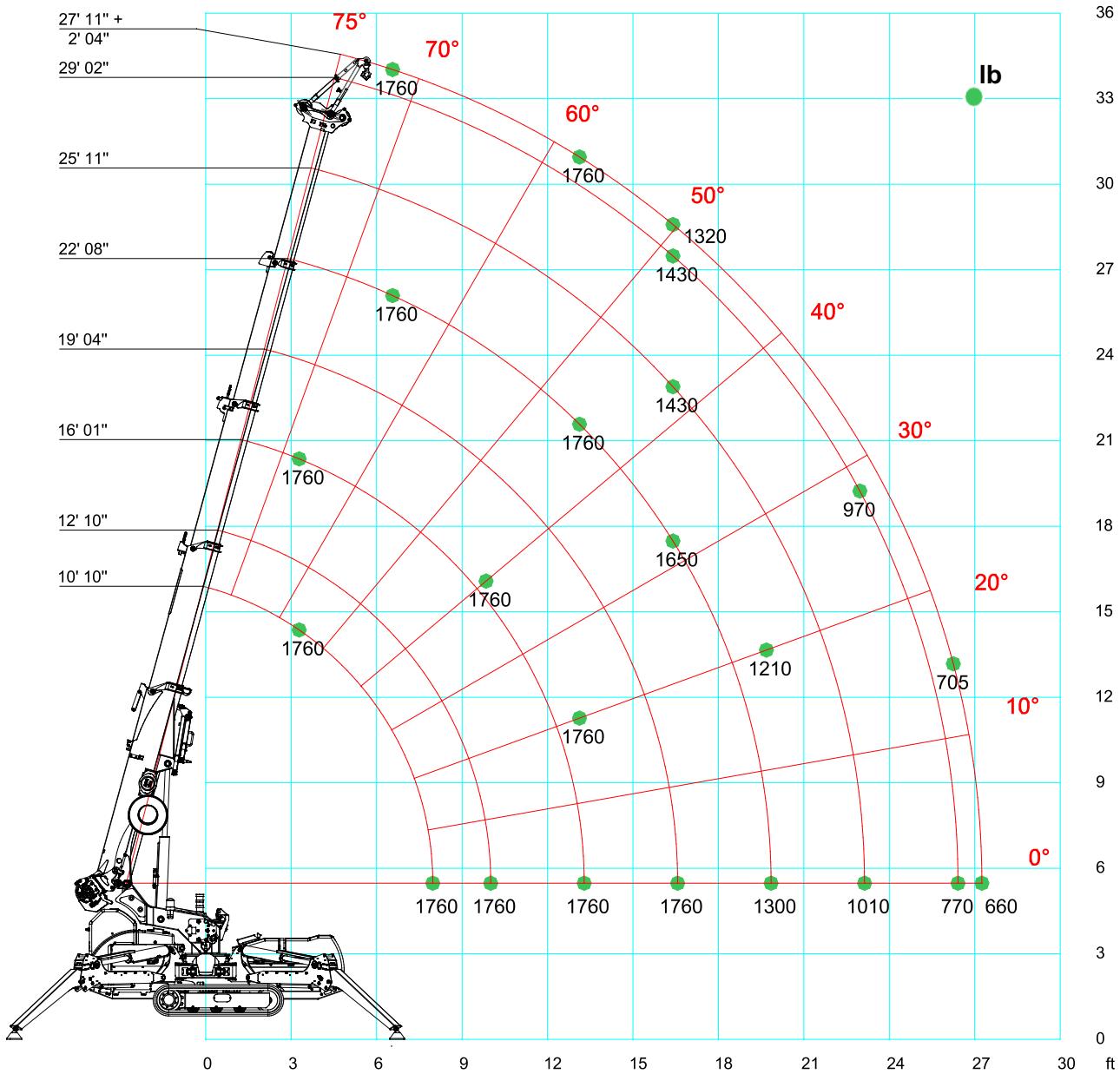
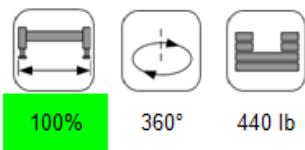
**SPX424**

[ft] [lb]					MAIN BOOM 100%	360°	440 lb		
	<b>8' 06"</b>	<b>12' 10"</b>	<b>16' 01"</b>	<b>19' 04"</b>	<b>22' 08"</b>	<b>25' 11"</b>	<b>27' 11"</b>		
3' 03"	5280	3960	3740	3520	3080				
6' 07"		3740	3080	2420	2420	2200	2200		
9' 10"		3080	2420	2200	2090	1980	1980		
13' 01"			2420	2090	1870	1760	1760		
16' 05"				1782	1650	1430	1430		
19' 08"					1298	1210	1100		
23' 00"						990	968		
24' 11"							880		

LC424\_V401\_1116\_BP\_FUNE\_CW200\_STAB\_100

[ft] [lb]					MAIN BOOM 50%	360°	440 lb		
	<b>8' 06"</b>	<b>12' 10"</b>	<b>16' 01"</b>	<b>19' 04"</b>	<b>22' 08"</b>	<b>25' 11"</b>	<b>27' 11"</b>		
3' 03"	5280	3960	3740	3080	2640				
6' 07"		3740	2640	2200	1980	1870	1760		
9' 10"		2156	2090	1980	1760	1650	1540		
13' 01"			1188	1166	1144	1122	1100		
16' 05"				792	748	726	704		
19' 08"					550	506	462		
23' 00"						396	352		
24' 11"							330		

LC424\_V401\_1116\_BP\_FUNE\_CW200\_STAB\_50

**SPX424 + JIB800GX**




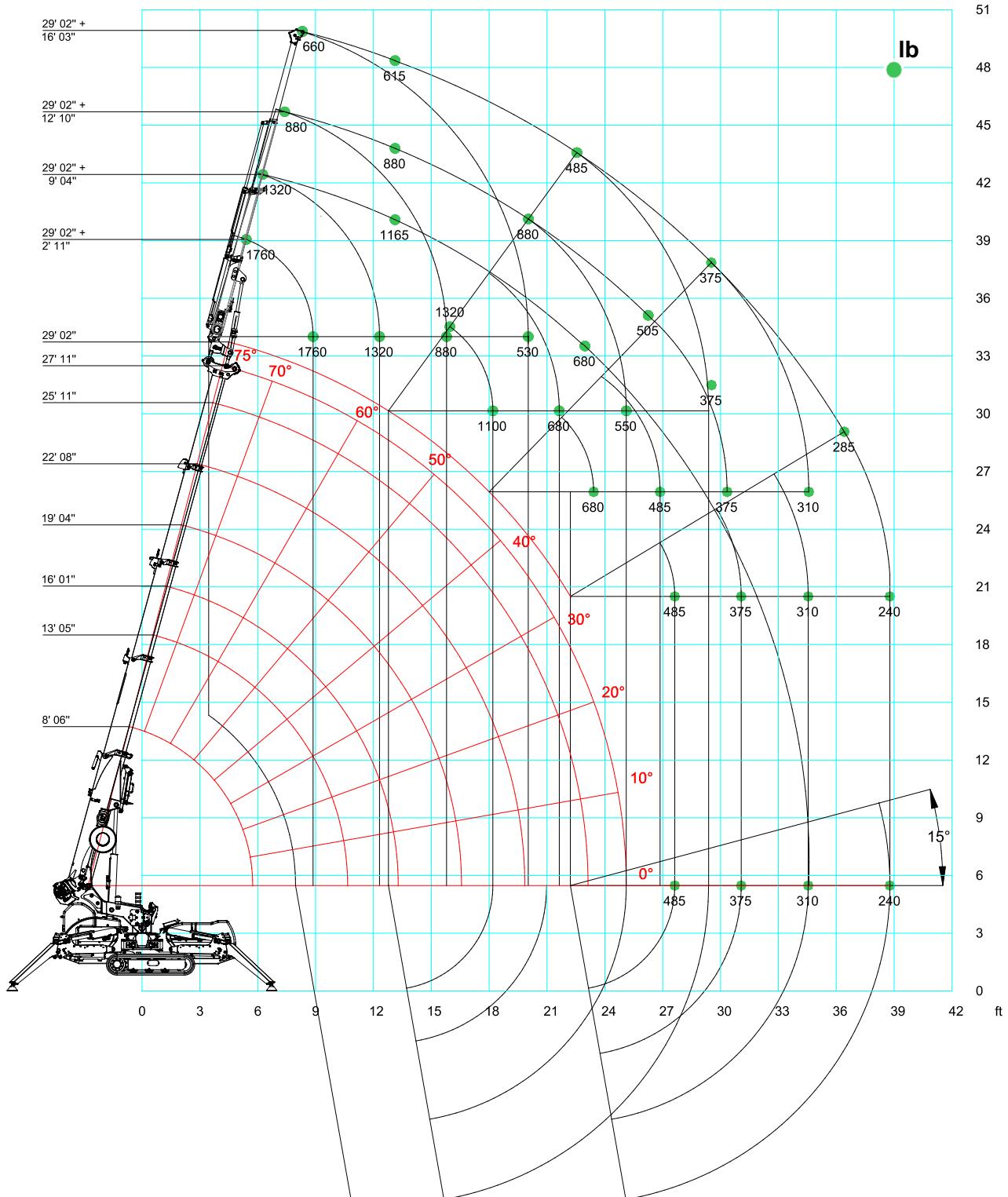
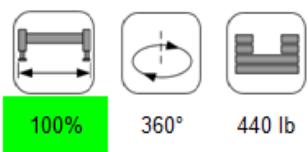
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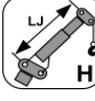
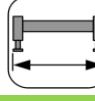
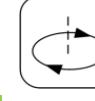
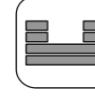
[ft] [lb]	JIB800GX	100%	360°	440 lb					
	11' 10"	12' 10"	16' 01"	19' 04"	22' 08"	25' 11"	29' 02"	30' 02"	
3' 03"	1760	1760	1760	1760	1760				
6' 07"	1760	1760	1760	1760	1760	1760	1760	1760	
9' 10"		1760	1760	1760	1760	1760	1760	1760	
13' 01"			1760	1760	1760	1760	1760	1760	
16' 05"				1760	1650	1430	1430	1320	
19' 08"					1298	1210	1100	990	
23' 00"						1012	968	880	
26' 03"							770	704	
27' 03"								660	

LC424\_V401\_1116\_RUNNER\_GANCIOLCW200\_STAB\_100

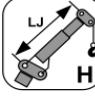
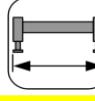
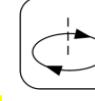
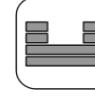
[ft] [lb]	JIB800GX	50%	360°	440 lb					
	9' 06"	10' 10"	14' 01"	17' 05"	20' 08"	23' 11"	27' 03"	30' 02"	
3' 03"	1760	1760	1760	1760	1760				
6' 07"	1760	1760	1760	1760	1760	1760	1760	1760	
9' 10"		1760	1760	1760	1760	1650	1540	1540	
13' 01"			1232	1210	1166	1144	1122	1100	
16' 05"				814	792	792	770	770	
19' 08"					550	528	506	484	
23' 00"						396	374	352	
26' 03"							286	286	
27' 03"								264	

LC424\_V401\_1116\_RUNNER\_GANCIOLCW200\_STAB\_50

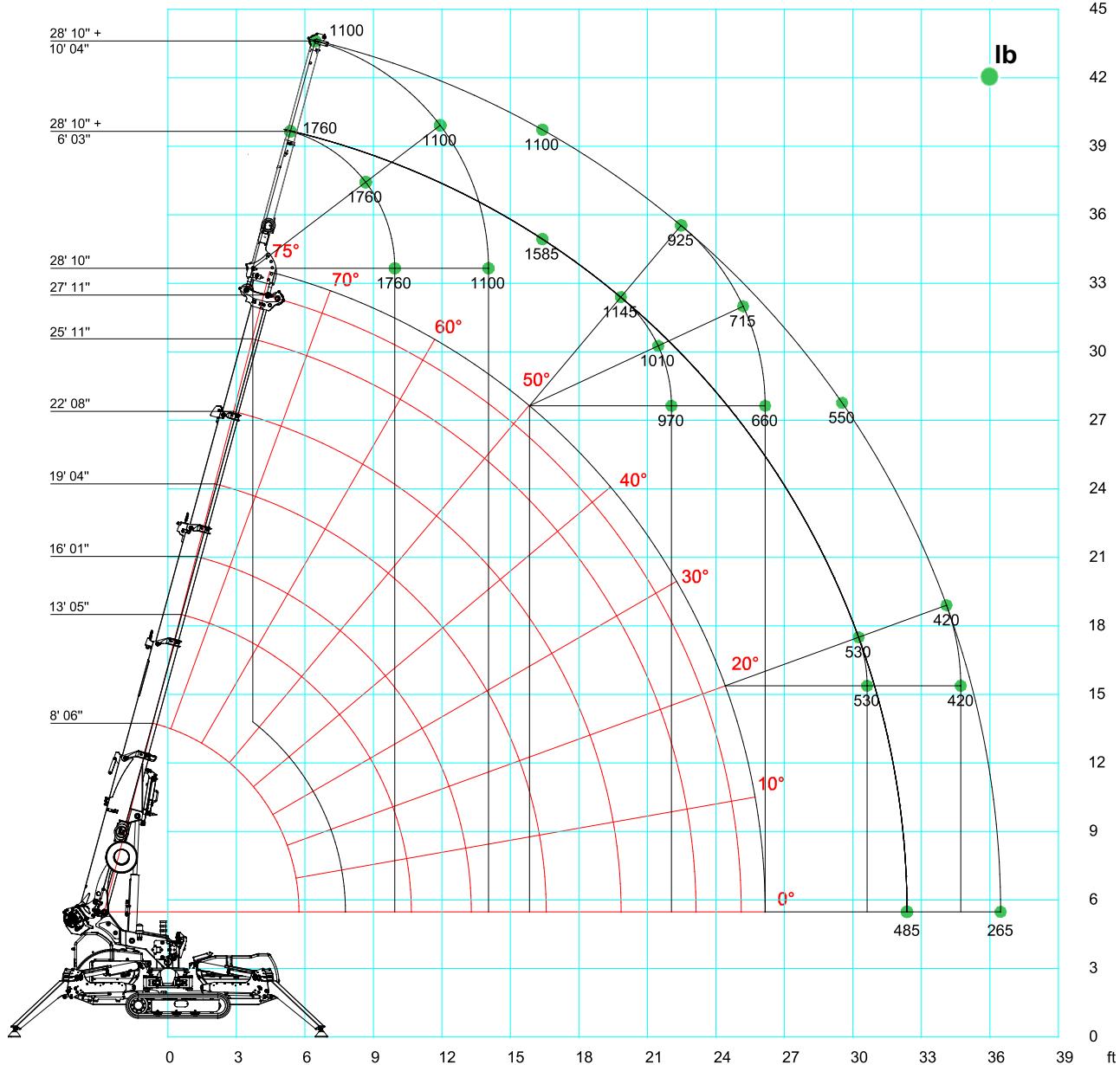
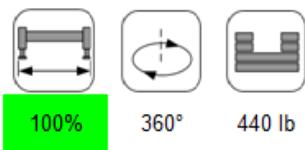
**SPX424 + JIB800.2H1MX**


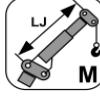
[ft]				
[lb]	JIB800. 2H1MX	100%	360°	440 lb
		5' 11" 9' 06" 12' 10" 16' 01"		
6' 07"	1760	1320		
9' 10"	1760	1320	880	660
13' 01"	1760	1320	880	616
16' 05"	1496	1320	880	572
19' 08"	1012	1012	880	528
23' 00"	682	682	682	484
26' 03"	506	506	506	440
29' 06"	374	374	374	374
32' 10"		308	308	308
36' 01"		286	286	286
38' 09"			242	242

LC424\_V401\_1116\_JIB2\_IDR\_FUNE\_CW200\_STAB\_100

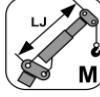
[ft]				
[lb]	JIB800. 2H1MX	50%	360°	440 lb
		5' 11" 9' 06" 12' 10" 16' 01"		
6' 07"	1760	1320		
9' 10"	1540	1320	880	660
13' 01"	924	924	880	616
16' 05"	506	506	506	506
19' 08"	264	264	264	264

LC424\_V401\_1116\_JIB2\_IDR\_FUNE\_CW200\_STAB\_50

**SPX424****SPX424 + JIB800.1MX**

[ft]		JIB800.1M x	100%	360°	440 lb
[lb]		6' 03"	10' 06"		
6' 07"	1760	1100			
9' 10"	1760	1100			
13' 01"	1760	1100			
16' 05"	1584	1100			
19' 08"	1144	1100			
23' 00"	880	880			
26' 03"	660	660			
29' 06"	550	550			
32' 10"	440	440			
36' 01"	396	396			
36' 09"		352			

LC424\_V401\_1116\_JIB\_MEC\_FUNE\_CW200\_STAB\_100

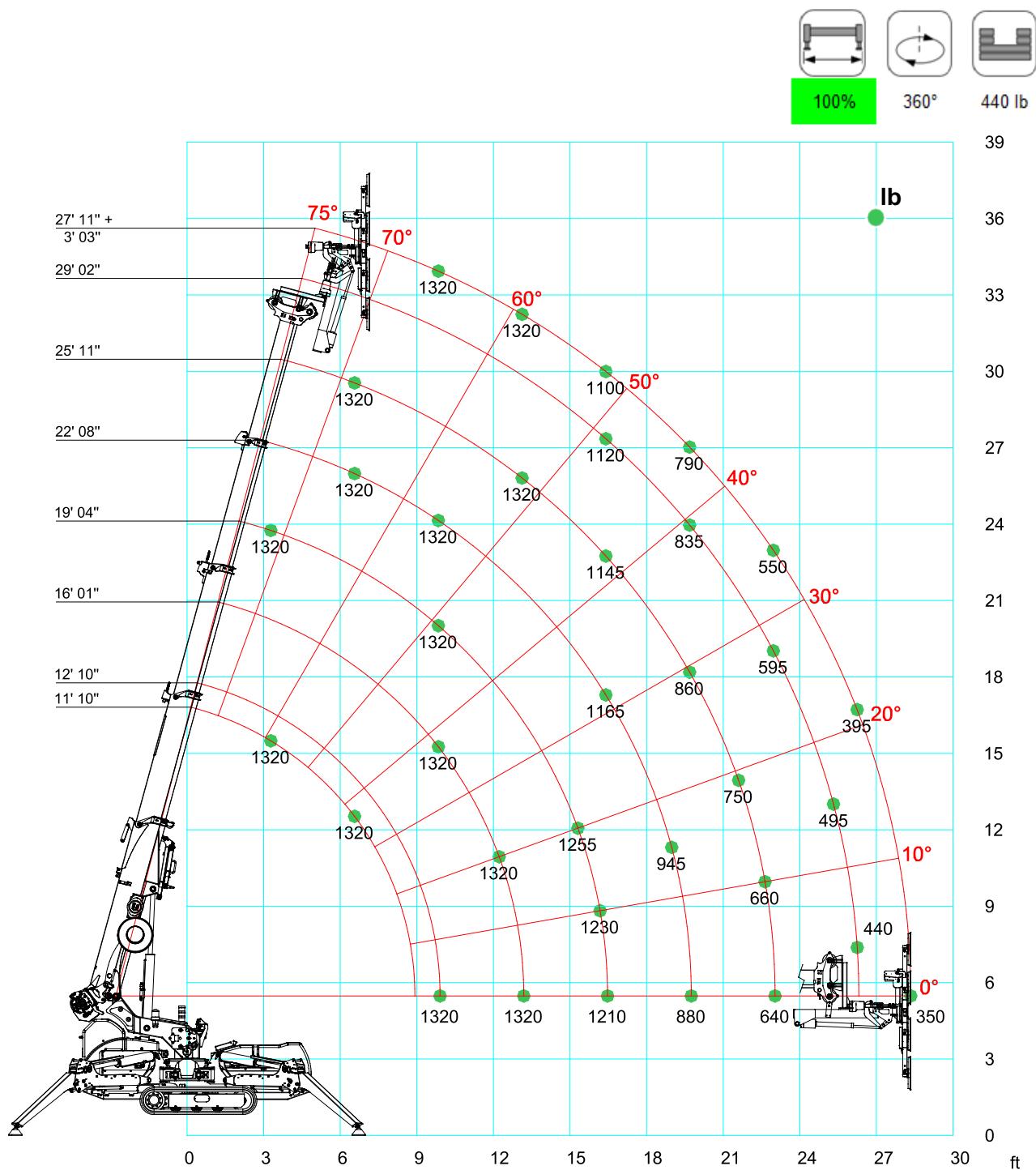
[ft]		JIB800.1M x	50%	360°	440 lb
[lb]		6' 03"	10' 06"		
6' 07"	1760				
9' 10"	1760	1100			
13' 01"	1122	1122			
16' 05"	682	682			
19' 08"	462	462			
23' 00"	286	286			

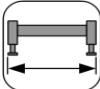
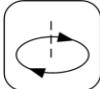
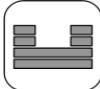
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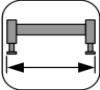
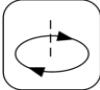
# **SPX424**

**SPX424 + MV600.3E**



[ft]					MV600.3E+	100%	360°	440 lb				
[lb]	11' 10"	12' 10"	16' 01"	19' 04"	22' 08"	25' 11"	29' 02"	31' 02"				
3' 03"	1320	1320	1320	1320	1320							
6' 07"	1320	1320	1320	1320	1320	1320	1320	1320	1320			
9' 10"		1320	1320	1320	1320	1320	1320	1320	1320			
13' 01"			1320	1320	1320	1320	1320	1320	1320			
16' 05"				1210	1166	1144	1122	1100				
19' 08"					880	858	836	792				
23' 00"						638	594	550				
26' 03"							440	396				
28' 03"								352				

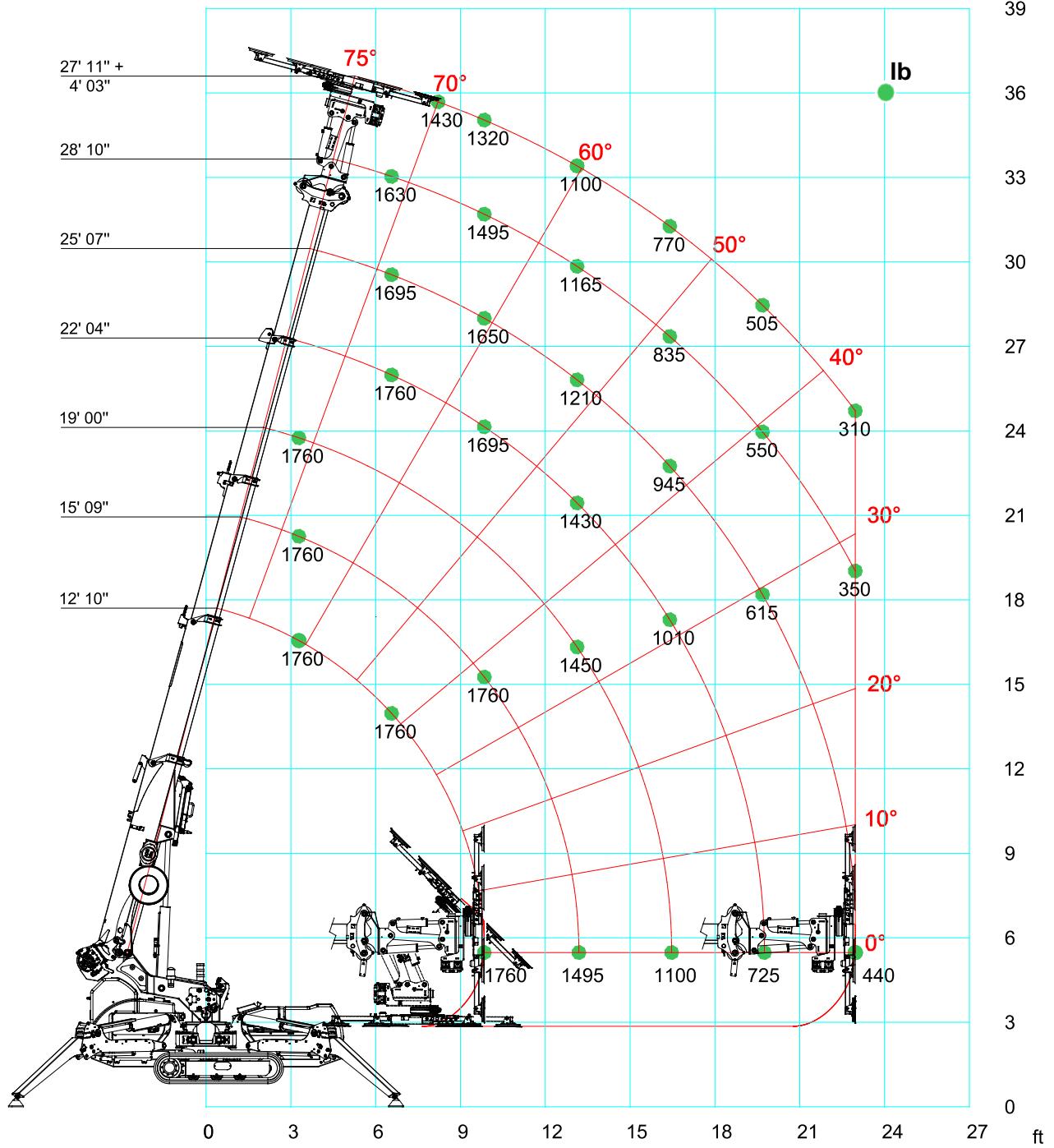
LC424\_V401\_1116\_MV600\_CW200\_STAB\_100

[ft]					MV600.3E+	50%	360°	440 lb				
[lb]	11' 10"	12' 10"	16' 01"	19' 04"	22' 08"	25' 11"	29' 02"	31' 02"				
3' 03"	1320	1320	1320	1320	1320							
6' 07"	1320	1320	1320	1320	1320	1320	1320	1320	1320			
9' 10"		1320	1320	1320	1320	1320	1320	1210	1100			
13' 01"			1078	1034	990	946	880	836				
16' 05"				616	594	572	550	506				
19' 08"					352	330	308	264				

LC424\_V401\_1116\_MV600\_CW200\_STAB\_50

**SPX424 + MR800.4-6+4P**

 100%  
 360°  
 440 lb



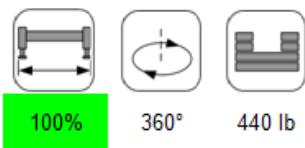
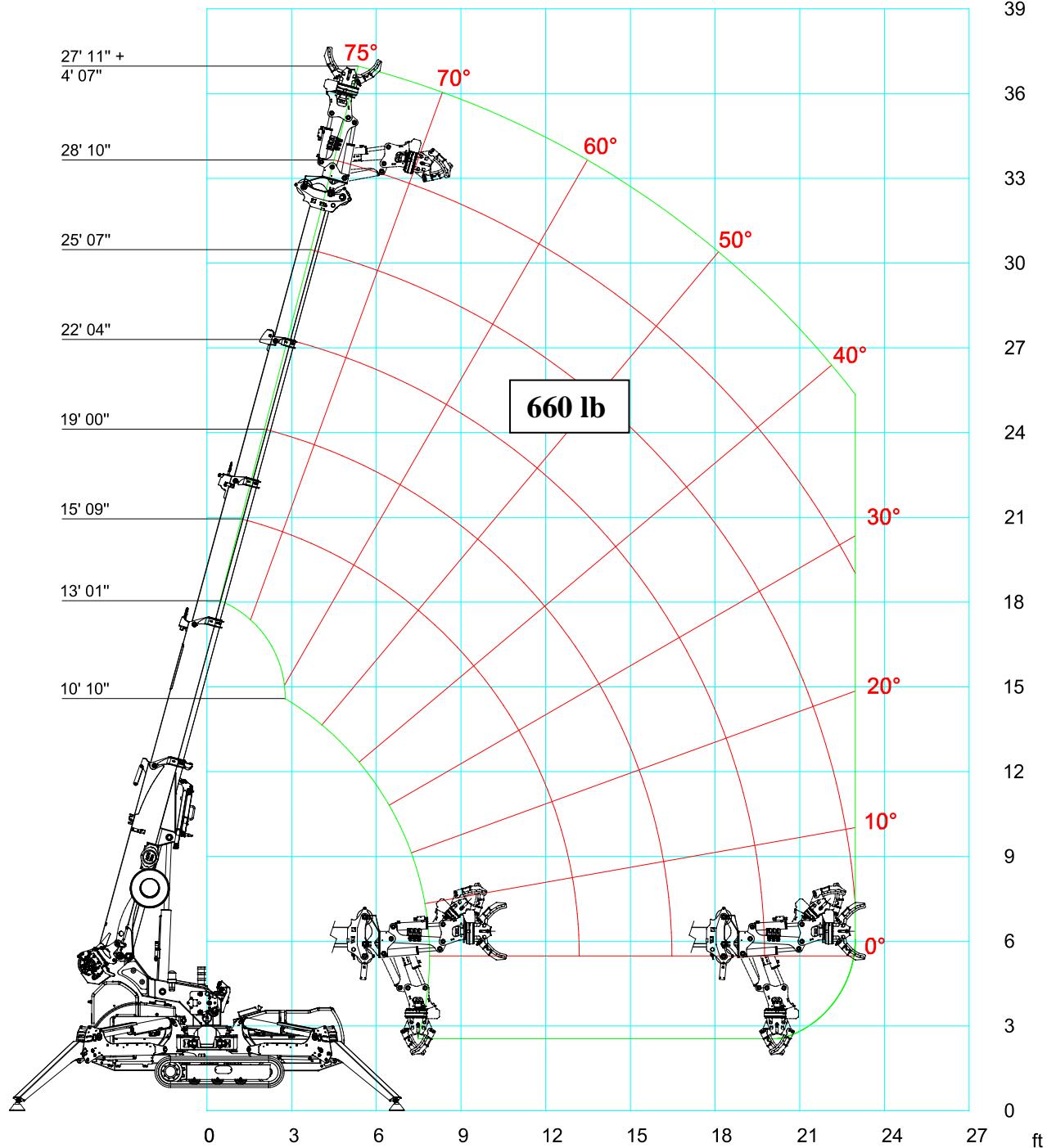
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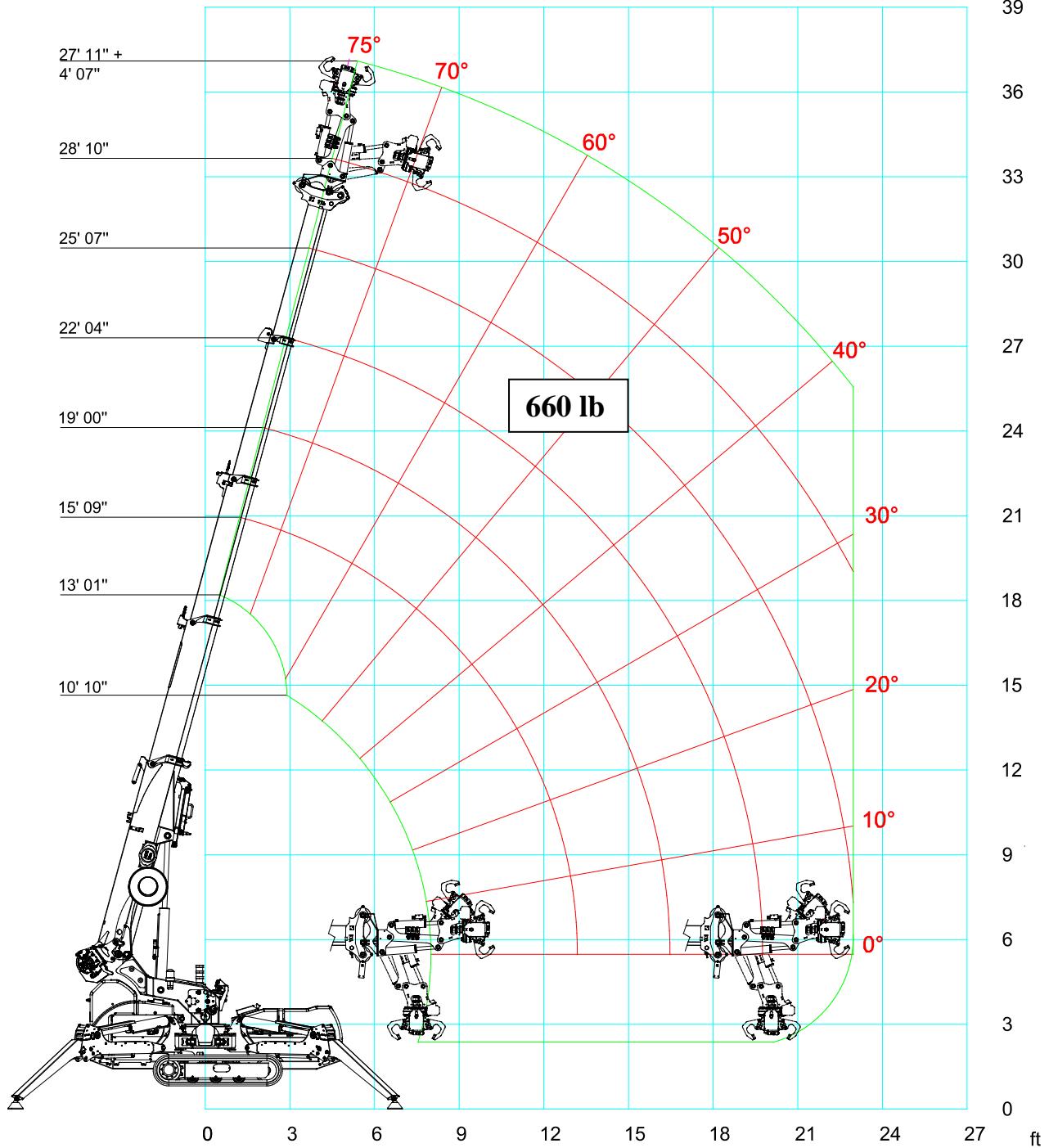
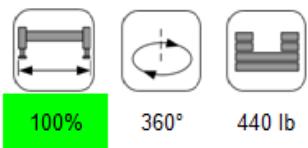
[ft] [lb]					MR800.4-6+4P	100%	360°	440 lb				
	<b>12' 10"</b>	<b>15' 09"</b>	<b>19' 00"</b>	<b>22' 04"</b>	<b>25' 07"</b>	<b>28' 10"</b>	<b>32' 02"</b>					
3' 03"	1760	1760	1760	1760								
6' 07"	1760	1760	1760	1760	1694	1628	1540					
9' 10"	1760	1760	1760	1694	1650	1496	1320					
13' 01"		1496	1452	1430	1210	1166	1100					
16' 05"			1100	1012	946	836	770					
19' 08"				726	616	550	506					
23' 00"					440	352	308					

LC424\_V401\_1116\_MR800\_CW200\_STAB\_100

[ft] [lb]					MR800.4-6+4P	50%	360°	440 lb				
	<b>12' 10"</b>	<b>15' 09"</b>	<b>19' 00"</b>	<b>22' 04"</b>	<b>25' 07"</b>	<b>28' 10"</b>	<b>32' 02"</b>					
3' 03"	1760	1760	1650	1540								
6' 07"	1760	1540	1540	1474	1408	1320	1188					
9' 10"	1408	1320	1210	1100	990	946	880					
13' 01"		880	858	858	726	682	660					
16' 05"			506	484	462	440	418					
19' 08"				242	220	220	220					

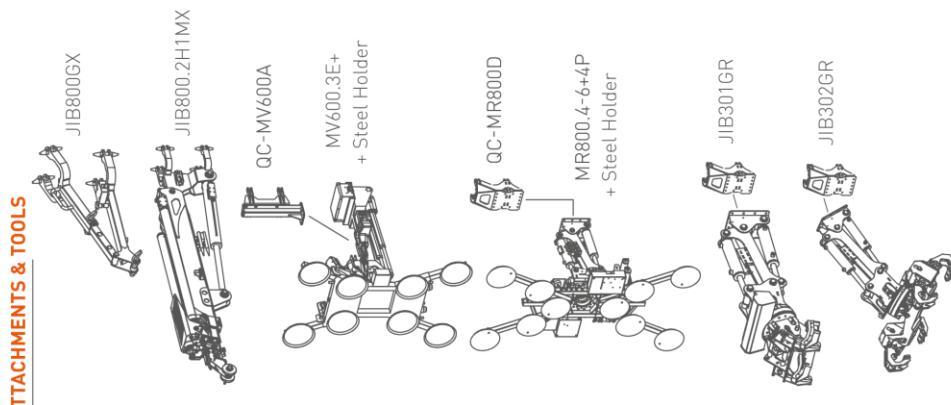
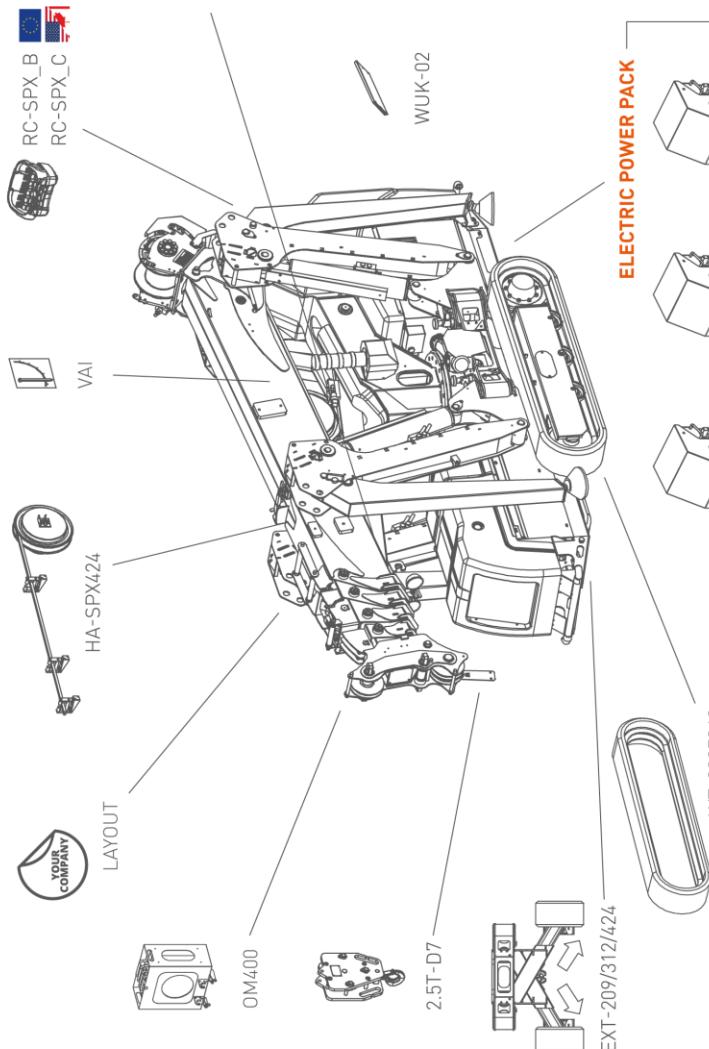
LC424\_V401\_1116\_MR800\_CW200\_STAB\_50

**SPX424 + JIB301GR**

  
 100%      360°      440 lb


**SPX424****SPX424 + JIB302GR**

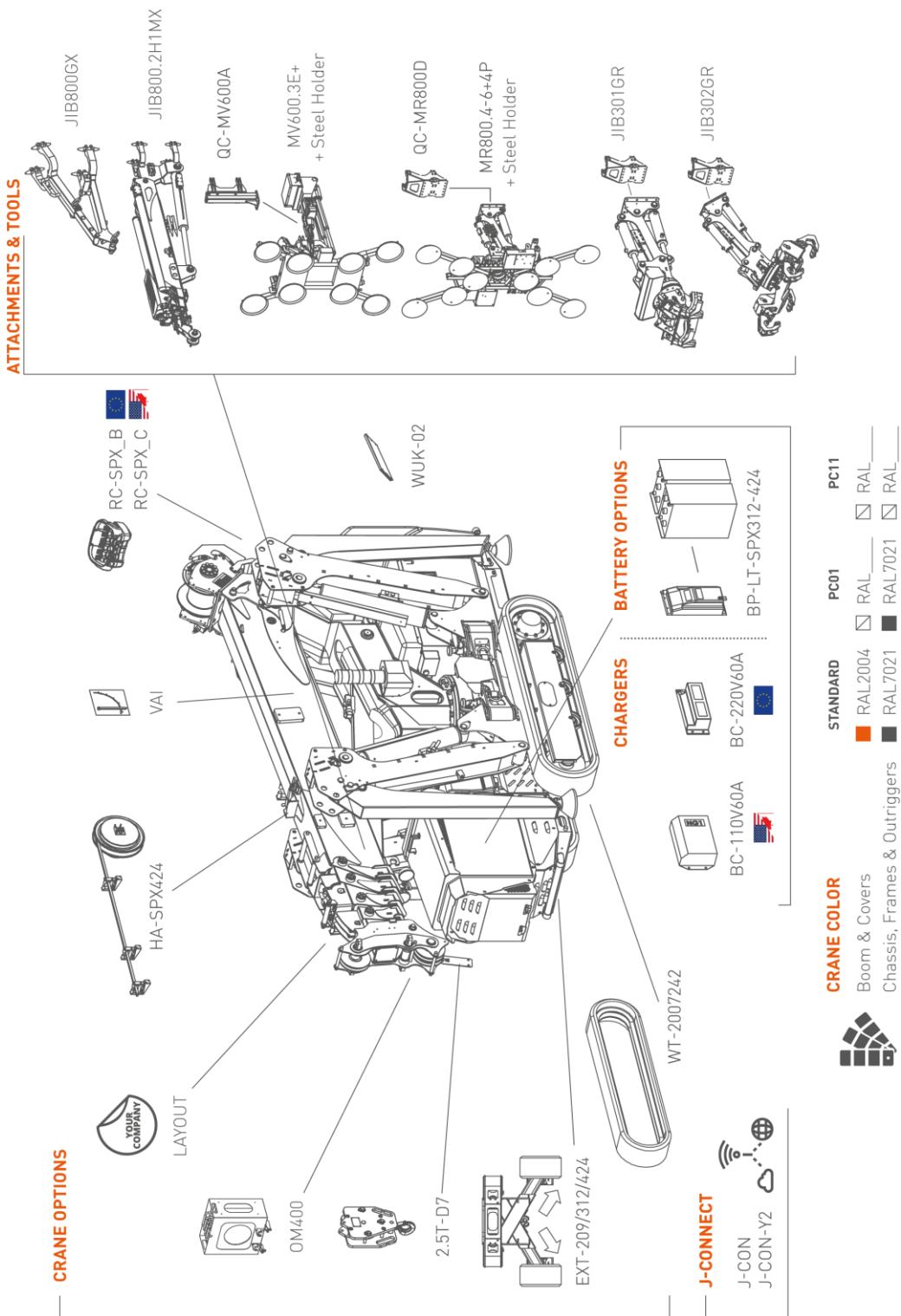
**SPX424**

# ACCESSORIES

**ATTACHMENTS & TOOLS****CRANE OPTIONS****ELECTRIC POWER PACK****CRANE COLOR**

STANDARD	PC01	PC11
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**J-CONNECT**

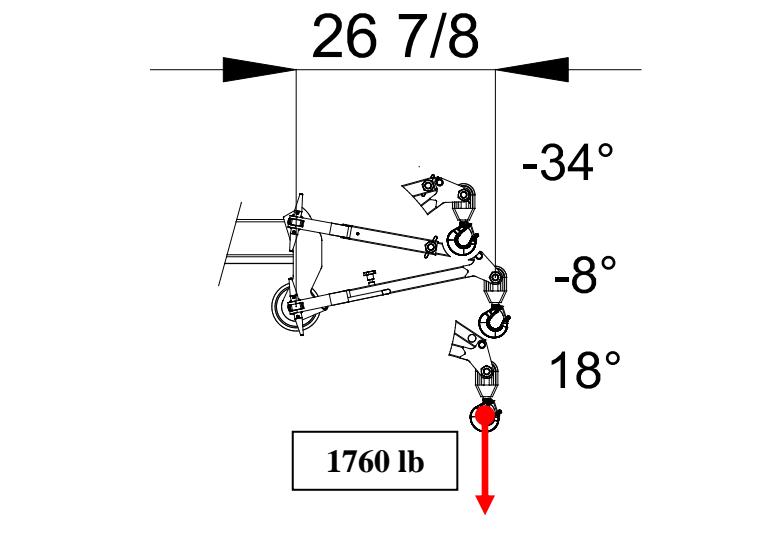
**SPX424**



**SPX424**

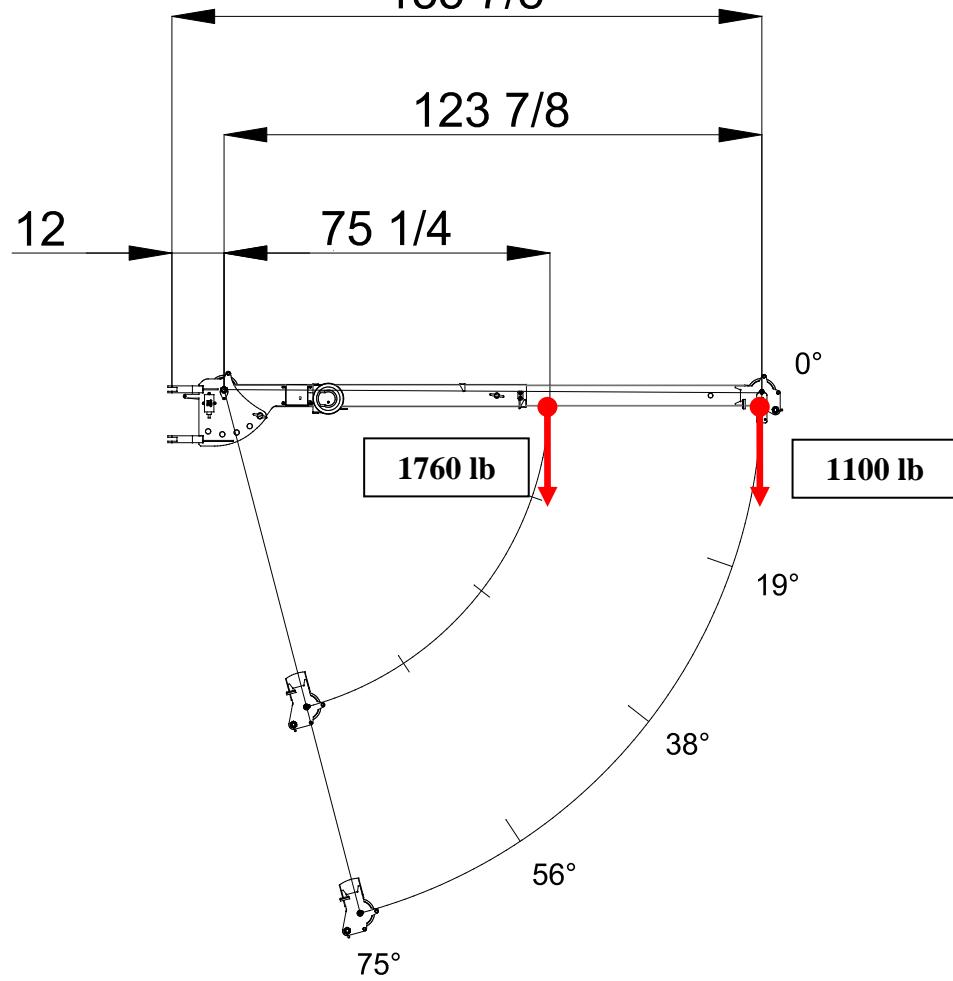
## ACCESSORIES FEATURES

**JIB800GX**



**JIB800.1MX**

**135 7/8**

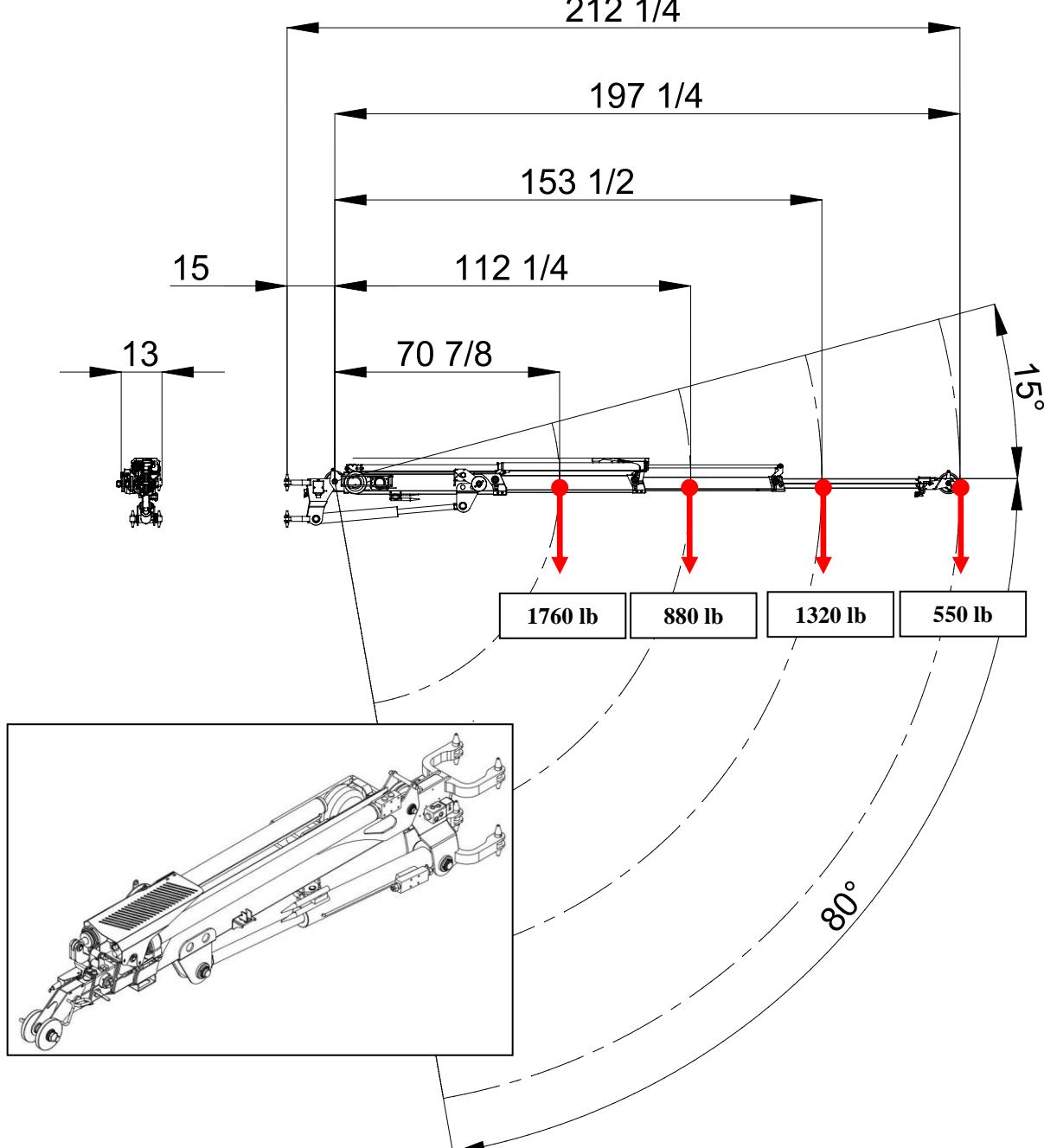




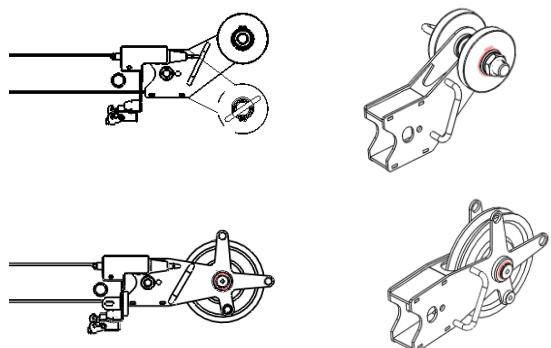
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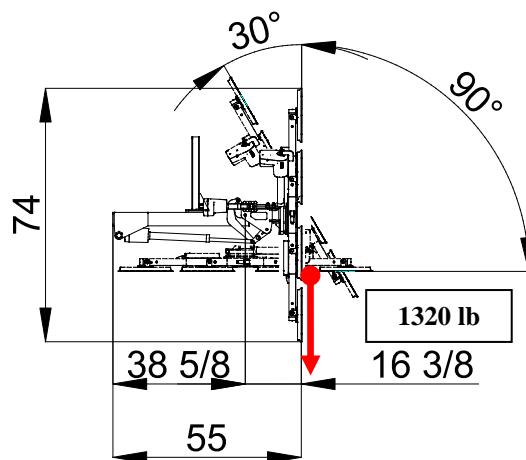
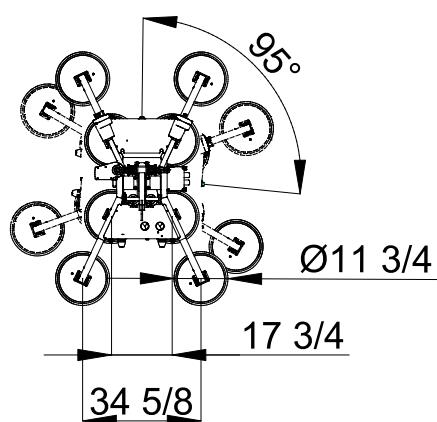
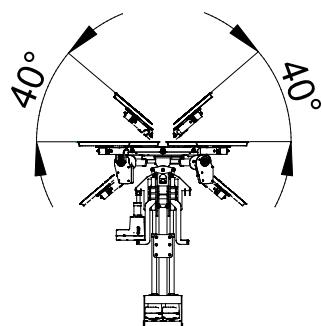
**JIB800.2H1MX**

212 1/4

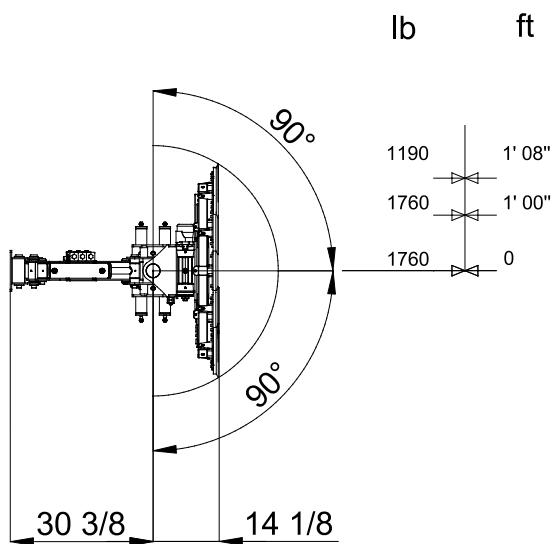
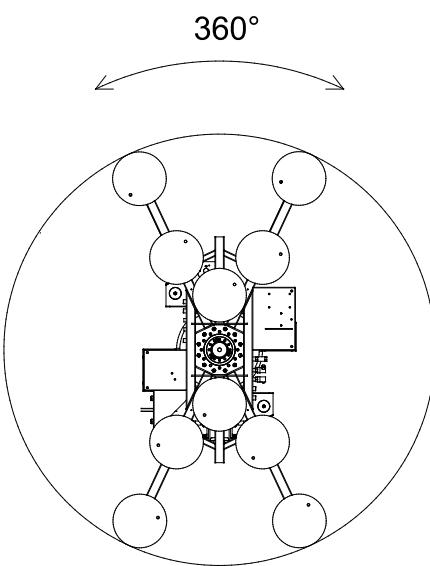
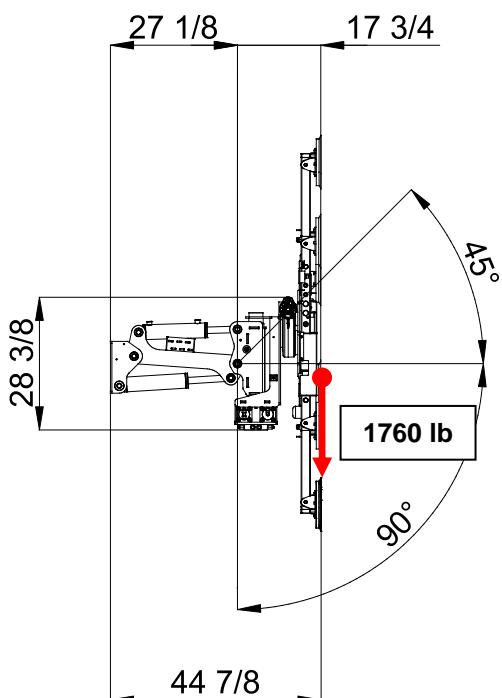


**HEAD CONFIGURATIONS:**



**MV600.3E+**
**Tilt**

**Rotation**

**Swing**


	6	10	n°
	660	1320	lb
	330	660	lb

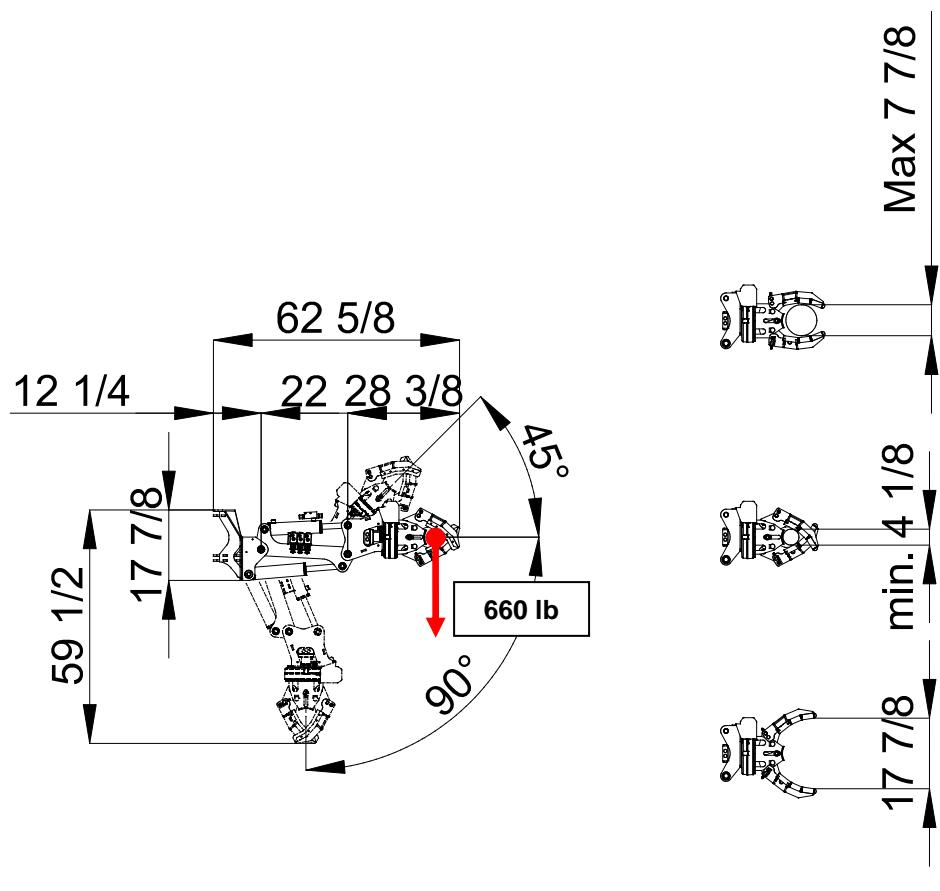
**SPX424****MR800.4-6+4P**

	6	10	n°
	1188	1760	lb
	594	880	lb

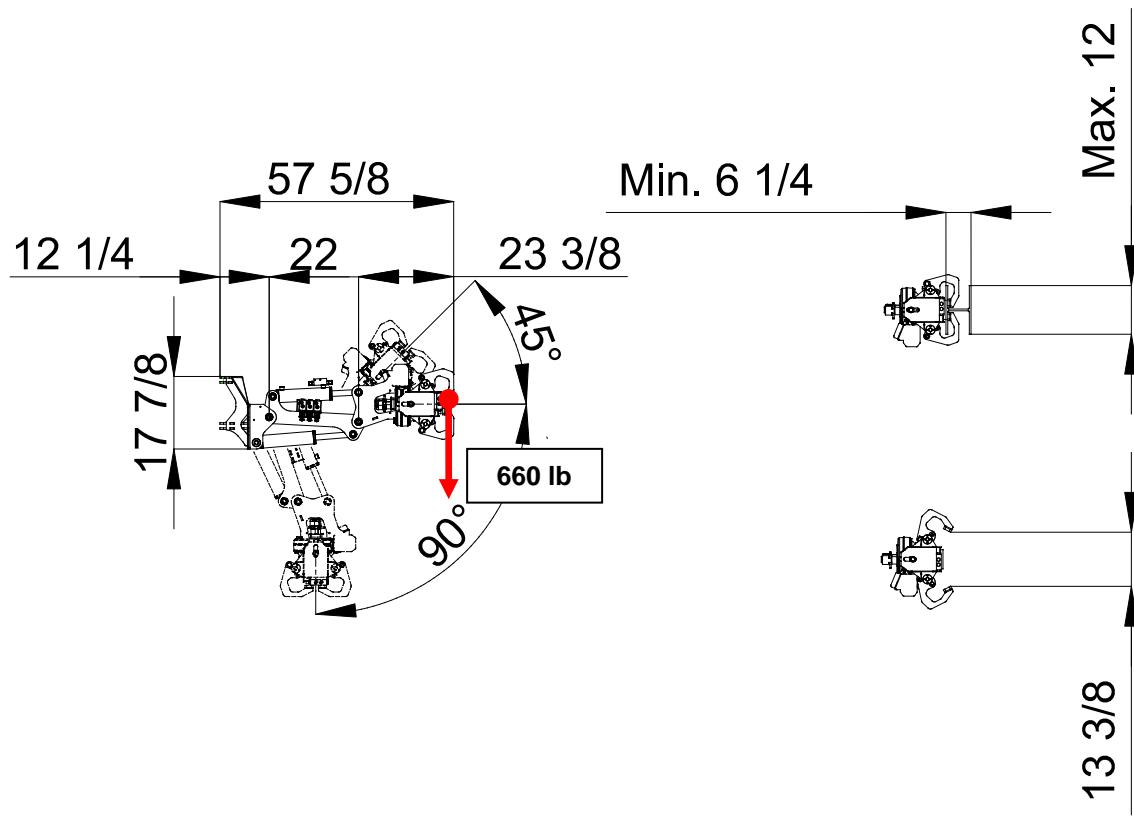


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**JIB301GR**



**JIB302GR**



## 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		Outiggers 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.



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**NOTES**

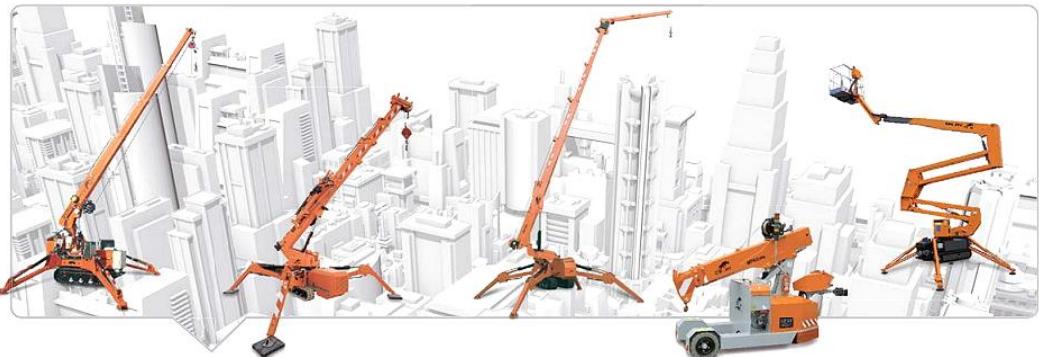


**SPX424**

## NOTES



**SPX424**



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