

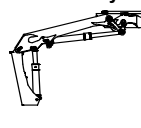


25/180

Articulating Crane Technical Specifications

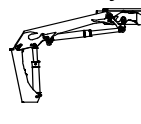
25/180 Lifting Capacities

25/180 - 2 Hydraulic



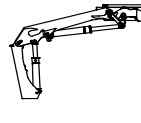
12235 lb 5550 kg 14'-5" 4.4 m	8490 lb 3850 kg 20'-4" 6.2 m	6450 lb 2925 kg 26'-11" 8.2 m
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25/180 - 3 Hydraulic



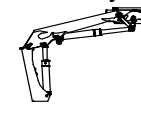
11685 lb 5300 kg 14'-5" 4.4 m	7935 lb 3600 kg 20'-8" 6.3 m	5950 lb 2700 kg 27'-3" 8.3 m	4685 lb 2125 kg 33'-10" 10.3 m
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25/180 - 4 Hydraulic



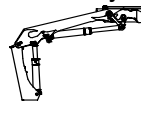
11190 lb 5075 kg 14'-9" 4.5 m	7605 lb 3450 kg 21'-0" 6.4 m	5565 lb 2525 kg 27'-3" 8.3 m	4300 lb 1950 kg 34'-1" 10.4 m	3580 lb 1625 kg 40'-8" 12.4 m
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25/180 - 5 Hydraulic



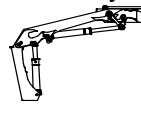
10690 lb 4850 kg 15'-1" 4.6 m	7110 lb 3225 kg 21'-0" 6.4 m	5125 lb 2325 kg 27'-7" 8.4 m	3915 lb 1775 kg 34'-1" 10.4 m	3140 lb 1425 kg 41'-0" 12.5 m	2645 lb 1200 kg 47'-11" 14.6 m
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25/180 - 6 Hydraulic



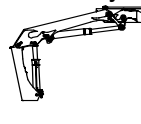
10250 lb 4650 kg 15'-5" 4.7 m	6725 lb 3050 kg 21'-4" 6.5 m	4740 lb 2150 kg 27'-7" 8.4 m	3525 lb 1600 kg 34'-5" 10.5 m	2755 lb 1250 kg 41'-0" 12.5 m	2260 lb 1025 kg 48'-3" 14.7 m	1960 lb 890 kg 55'-1" 16.8 m
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25/180 - 7 Hydraulic



9810 lb 4450 kg 15'-5" 4.7 m	6325 lb 2870 kg 21'-8" 6.6 m	4355 lb 1975 kg 27'-11" 8.5 m	3195 lb 1450 kg 34'-9" 10.6 m	2425 lb 1100 kg 41'-4" 12.6 m	1930 lb 875 kg 48'-7" 14.8 m	1630 lb 740 kg 55'-5" 16.9 m	1435 lb 650 kg 62'-4" 19.0 m
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25/180 - 8 Hydraulic



9425 lb 4275 kg 15'-9" 4.8 m	6005 lb 2725 kg 22'-0" 6.7 m	4080 lb 1850 kg 28'-3" 8.6 m	2920 lb 1325 kg 35'-1" 10.7 m	2150 lb 975 kg 41'-8" 12.7 m	1655 lb 750 kg 48'-11" 14.9 m	1380 lb 625 kg 55'-9" 17.0 m	1155 lb 525 kg 62'-8" 19.1 m	1015 lb 460 kg 69'-7" 21.2 m
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Note: Crane appearance subject to change.

25/180 Specifications

Outrigger Pad Diameter	8.0" (200 mm)
Crane Storage Height	7' 9" (2355 mm)
Mounting Space ***	3' 6" (1060 mm)
Rotational Torque	24,230 ft-lb (3.4 tm)
Rotation	420°
Optimum Pump Capacity	17 U.S. gpm (65 lpm)
System Pressure	4,135 psi (285 bar)
Oil Reservoir Capacity	42.3 gal (160 L)
Outrigger Extension Span	
Standard (manual out / hydraulic down)	20' 4" (6200 mm)
Weight	1045 lb (475 kg)

Minimum Chassis Specifications

Front Axle Rating (GAWR)	16,000 lb (7255 kg)
Rear Axle Rating (GAWR)	40,000 lb (18,145 kg)
Resistance To Bending Moment	2,700,000 in-lb (311,075 kg-m)

25/180	2 - Hydraulic	3 - Hydraulic	4 - Hydraulic	5 - Hydraulic	6 - Hydraulic	7 - Hydraulic	8 - Hydraulic
Crane Rating*	176,485 ft-lb (24.4 tm)	168,530 ft-lb (23.3 tm)	164,190 ft-lb (22.7 tm)	161,295 ft-lb (22.3 tm)	157,680 ft-lb (21.8 tm)	151,895 ft-lb (21.0 tm)	148,275 ft-lb (20.5 tm)
Maximum Horizontal Reach	27' 3" (8.3 m)	34' 1" (10.4 m)	41' 0" (12.5 m)	48' 3" (14.7 m)	55' 5" (16.9 m)	62' 8" (19.1 m)	69' 7" (21.2 m)
Maximum Vertical Reach	35' 5" (10.8 m)	42' 4" (12.9 m)	49' 3" (15.0 m)	56' 5" (17.2 m)	63' 8" (19.4 m)	70' 10" (21.6 m)	78' 1" (23.8 m)
Maximum Capacity	20,945 lb (9500 kg)	20,670 lb (9375 kg)	20,450 lb (9275 kg)	20,285 lb (9200 kg)	20,060 lb (9100 kg)	19,730 lb (8950 kg)	19,455 lb (8825 kg)
Max Cap @ Max Reach	6450 lb (2925 kg)	4685 lb (2125 kg)	3585 lb (1625 kg)	2645 lb (1200 kg)	1960 lb (890 kg)	1435 lb (650 kg)	1015 lb (460 kg)
Crane Weight **	5800 lb (2630 kg)	6285 lb (2850 kg)	6745 lb (3060 kg)	7185 lb (3,260 kg)	7605 lb (3450 kg)	7935 lb (3600 kg)	8210 lb (3725 kg)
Hook Approach							
Vertical	8' 8" (2640 mm)	8' 5" (2560 mm)	8' 2" (2480 mm)	7' 10" (2400 mm)	7' 7" (2320 mm)	7' 4" (2240 mm)	7' 1" (2160 mm)
Horizontal	1' 8" (0.52 m)	2' 0" (0.60 m)	2' 3" (0.68 m)	2' 6" (0.76 m)	2' 9" (0.84 m)	3' 0" (0.92 m)	3' 3" (1.00 m)
Center of Gravity - Stored							
Vertical	2' 9" (830 mm)	2' 9" (850 mm)	2' 10" (865 mm)	2' 11" (880 mm)	2' 11" (900 mm)	3' 0" (915 mm)	3' 0" (925 mm)
Horizontal (C/L RotTo Bridge)	11.6" (295 mm)	11.8" (300 mm)	11.8" (300 mm)	11.6" (295 mm)	11.4" (290 mm)	11.2" (285 mm)	11.2" (285 mm)

* Crane rating (ft-lb) is the rated load (lb) multiplied by the respective distance (ft) from centerline of rotation with all extensions retracted and the inner and outer booms in a horizontal position, per ANSI B30.22.

** Crane weight does not include outriggers. *** Maximum swing clearance radius required is 2'-5" (734 mm) at 8'-5" (2562 mm).

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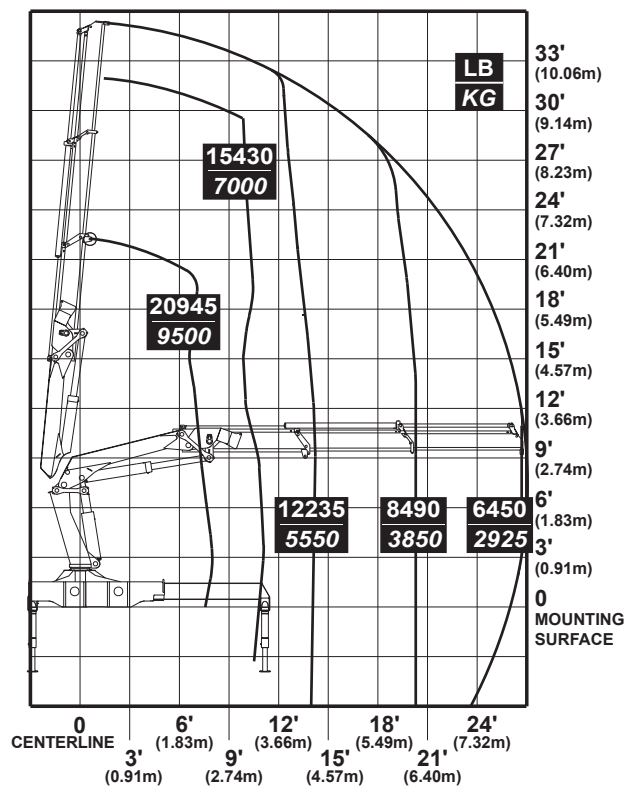


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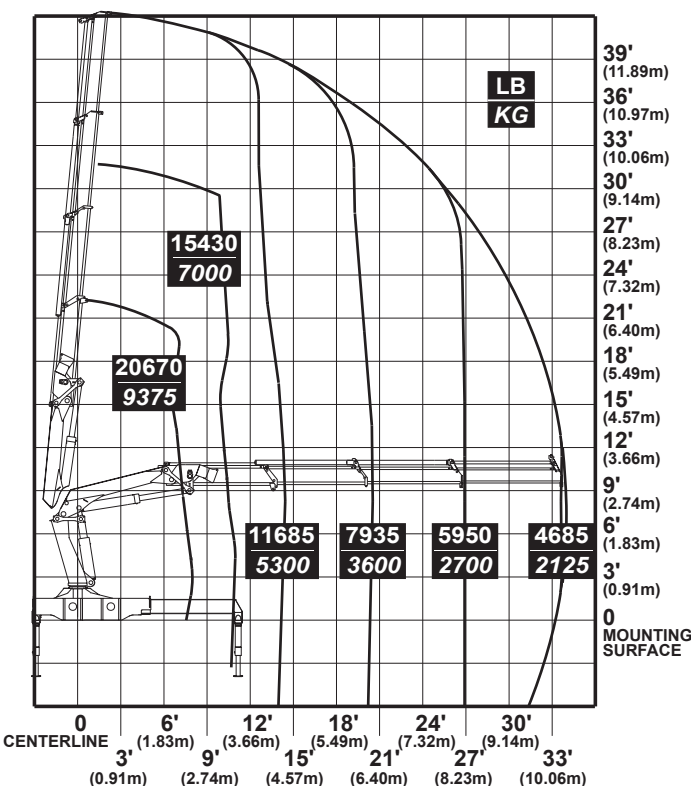
25/180 Articulating Crane

Capacity Charts

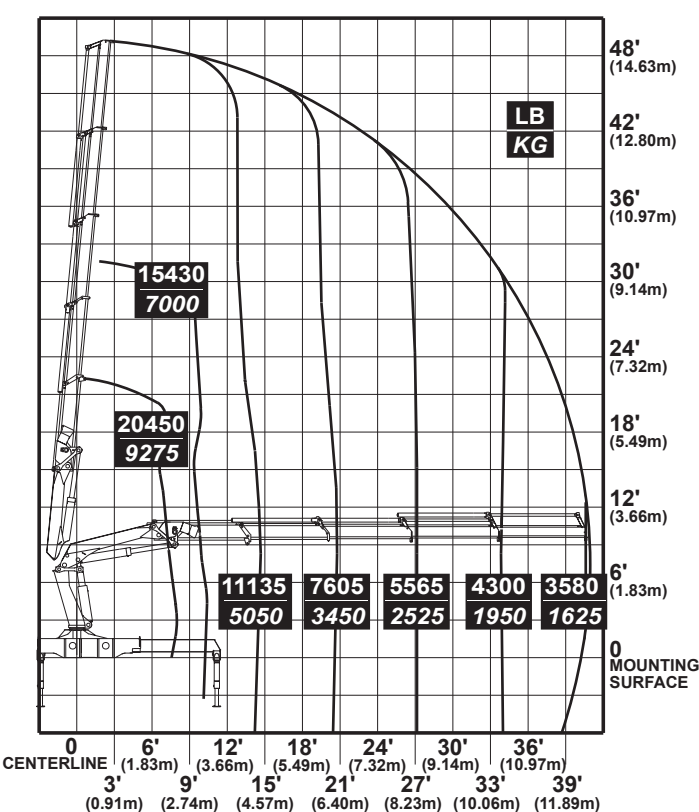
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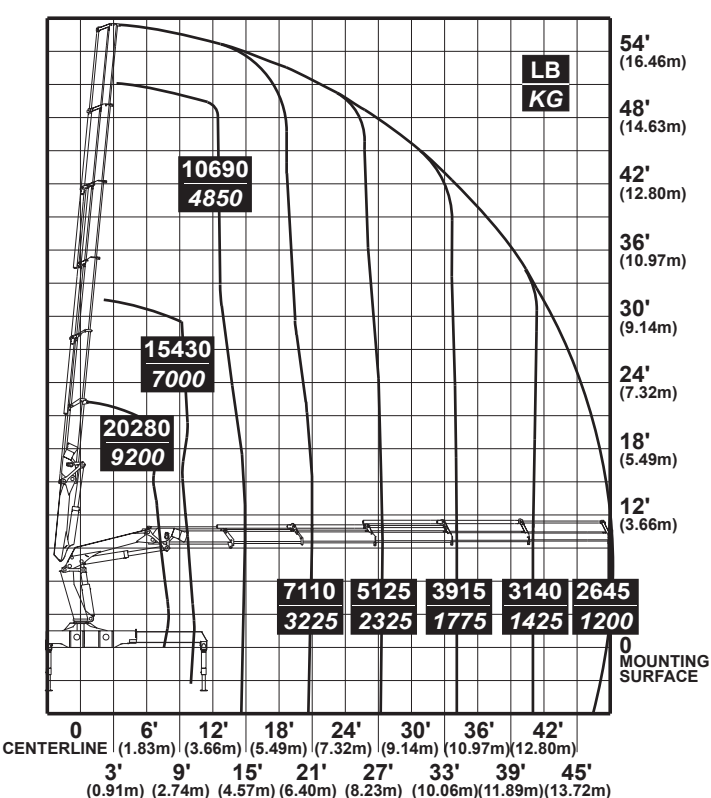
3-Hydraulic



4-Hydraulic



5-Hydraulic

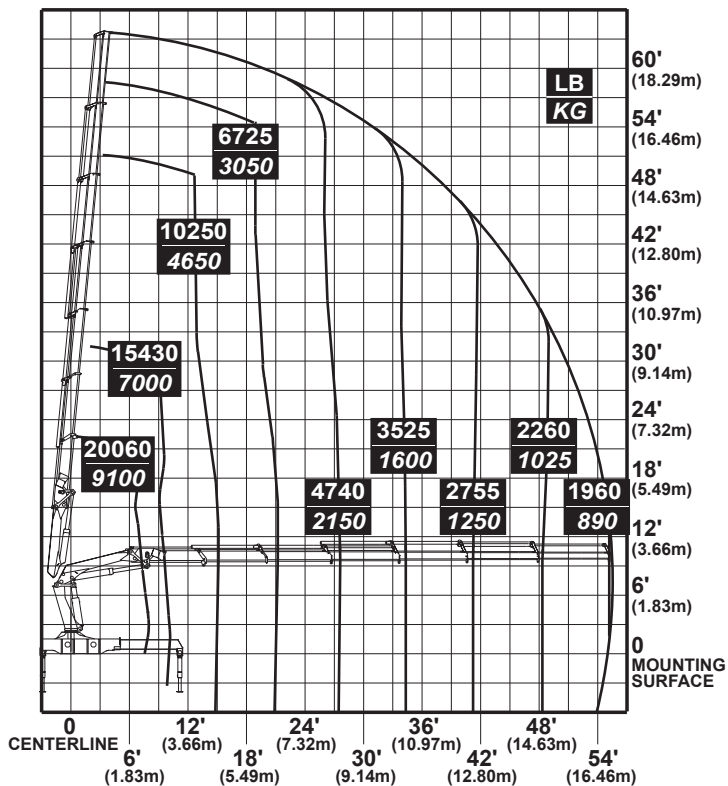




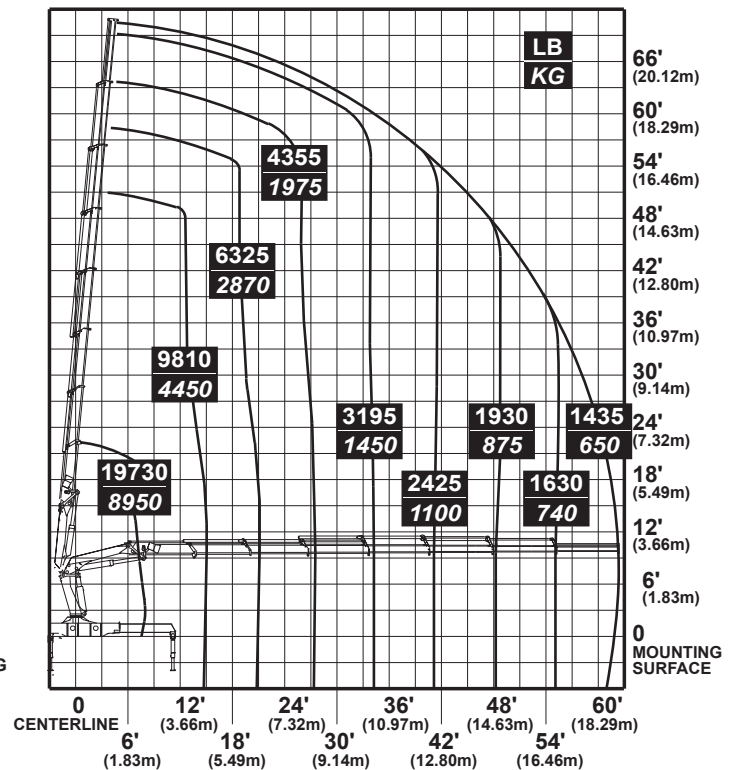
25/180 Articulating Crane

Capacity Charts

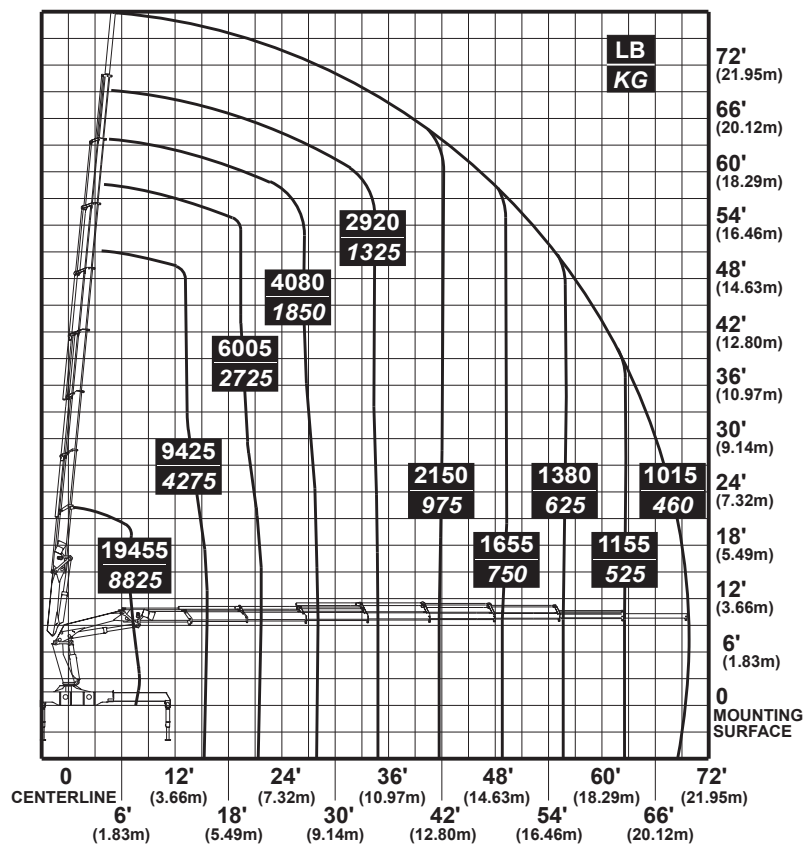
6-Hydraulic



7-Hydraulic



8-Hydraulic



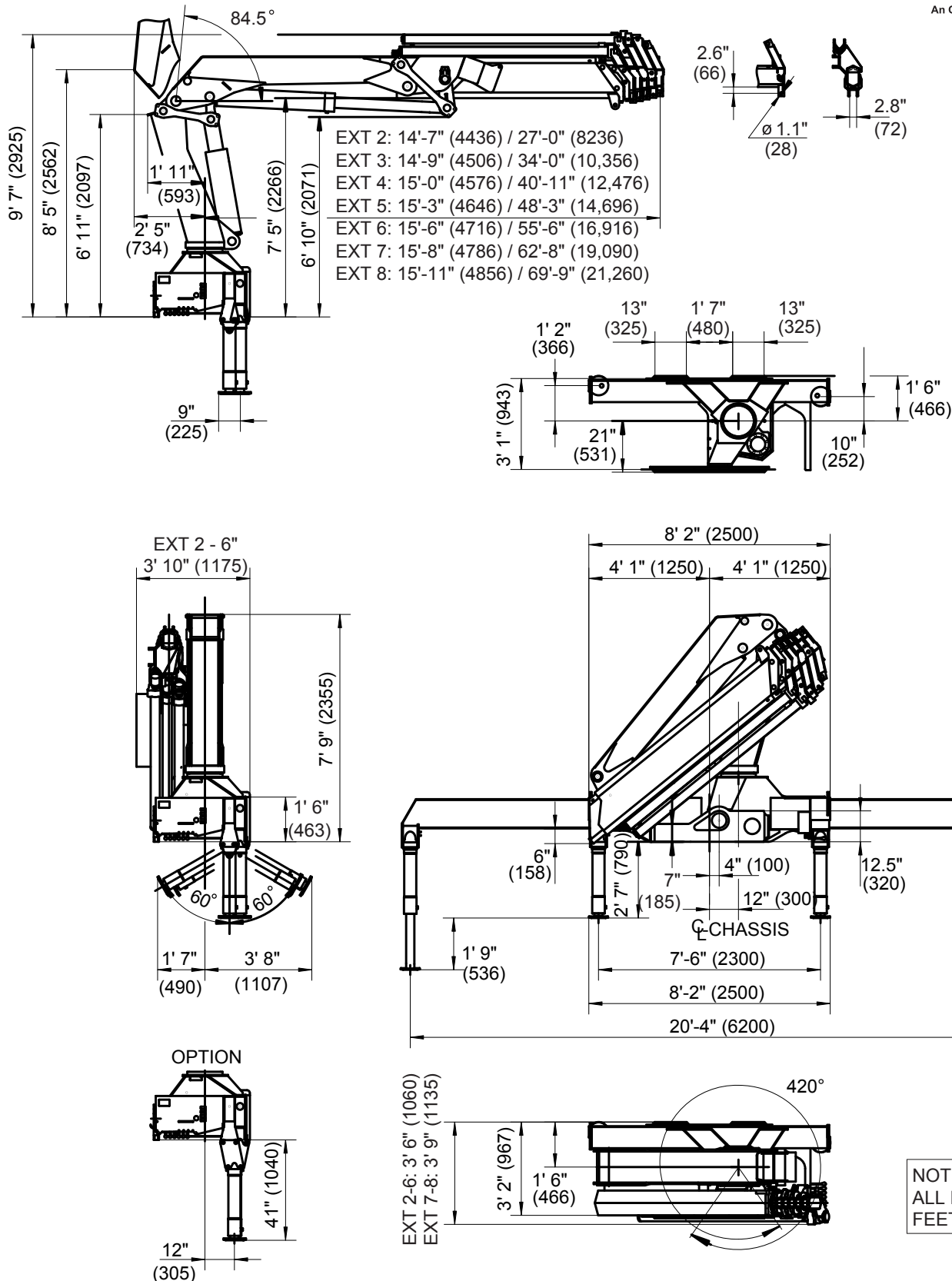


25/180 Articulating Crane



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Geometric Configurations



Iowa Mold Tooling Co., Inc.

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