



NATIONAL CRANE

18127A

PRODUCT DESCRIPTION

The 1800 combines a 40-ton capacity with best in class boom length. "H" style outriggers provide unsurpassed stability, while an enclosed operators cab offers excellent protection from inclement weather conditions.

FEATURES

- Three, Four and Five-section booms
- 40 ton maximum capacity
- 142 ft. maximum boom extension
- 176 ft. maximum tip height
- Self-lubricating "Easy Glide" Wear Pads
- Load Moment Indicator system (LMI)
- Vickers PVH 131
- Proportional boom extension
- High performance planetary winch

ACCESSORIES

- Radio Remote Controls
- Heavy-duty Personnel Basket
- Hydraulic Oil Cooler
- Steel Tool Box Options
- Bulkhead Options

MODEL 18127A

Equipped with a 31-127 ft (9.45-38.71 m) five-section boom. This model can be equipped with a 31 ft (9.45 m) jib, offering a vertical reach of 166 ft (50.60 m) or a 31-55 ft (9.45-16.76 m) jib providing a vertical reach of 190 ft (57.91 m).

Load Rating Chart: Series 18127 (38.71 m) Boom with 31-55 ft (9.45-16.76 m) Jib/Full-Span Outrigger 24.7 ft (7.6 m)

31 TO 127 ft BOOM RATED LOADS WITHOUT JIB

LOAD RADIUS (ft)	LOADED BOOM ANGLE	31 ft BOOM (lb)	LOADED BOOM ANGLE	55 ft BOOM (lb)	LOADED BOOM ANGLE	79 ft BOOM (lb)	LOADED BOOM ANGLE	103 ft BOOM (lb)	LOADED BOOM ANGLE	127 ft BOOM (lb)
7	74.5	80,000								
8	72.4	74,000								
10	68.2	64,000								
12	63.8	56,000	76.9	40,000						
15	56.9	43,000	73.8	38,000	79.8	29,000				
20	44.2	30,000	68.1	31,000	76.2	25,000	80	16,000		
25	27.4	22,500	62	23,400	72.5	21,500	77.2	14,500	80	10,000
30			55.5	18,300	68.5	18,700	74.4	13,000	78	9,500
35			48.6	14,800	64.3	15,100	71.5	11,500	75.9	9,000
40			40.7	12,100	59.9	12,500	68.6	10,500	73.6	8,100
45			31.3	10,100	55.3	10,400	65.9	9,500	71.2	7,200
50			19.4	8,500	50.9	8,800	62.7	8,500	68.8	6,500
55					45.8	7,500	59.3	7,500	66.3	5,800
60					40.1	6,400	55.7	6,500	63.7	5,300
65					33.6	5,400	52	5,600	61.1	4,800
70					25.6	4,600	48.1	4,700	58.4	4,300
75					13.5	3,850	43.9	3,950	55.6	3,900
80							39.3	3,350	52.6	3,400
85							34.3	2,800	49.4	2,850
90							28.4	2,300	46	2,350
95							21	1,850	42.5	1,900
100							8.2	1,500	38.8	1,550
105									34.6	1,200
110									30	900
115									24.6	650
		0	19,000	0	7,700	0	3,600	0	1,450	

31 ft JIB RATED LOADS		
RADIUS FULLY EXTENDED	LOADED BOOM ANGLE	RATED LOADS ALL BOOM LENGTHS
30	80	3,400
46	75	3,200
60	70	2,700
73	65	2,100
85	60	1,700
96	55	1,200
106	50	650

55 ft JIB RATED LOADS		
RADIUS FULLY EXTENDED	LOADED BOOM ANGLE	RATED LOADS ALL BOOM LENGTHS
36	80	2,200
54	75	2,200
70	70	1,800
85	65	1,000

RATED LOAD REDUCTIONS WITH JIB		
BOOM LENGTH	31 ft JIB STOWED	31-55 ft JIB ERRECTED AT 31 ft LENGTH
	31 ft	Reduce load 800 lb
55 ft	Reduce load 450 lb	Reduce load 2,000 lb
79 ft	Reduce load 350 lb	Reduce load 1,900 lb
103 ft	Reduce load 250 lb	Reduce load 1,800 lb
127 ft	Reduce load 200 lb	Reduce load 1,700 lb



18127A on Sterling w/Cab



18127A on Sterling LT9500 TriDrive



Rear View



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