



NATIONAL CRANE

14127H & 14127A

PRODUCT DESCRIPTION

The Series 1400A offers best-in-class boom length. A new hydraulic system uses pressure-compensated control valves with a load-sensing variable displacement piston pump for smoother operation and reduced maintenance. The Vision Cab™ provides enhanced visibility and includes ergonomic single joystick controls, ventilation fans, and a diesel heater for cold weather comfort.

FEATURES

- 33 ton maximum capacity
- Four- or five-section boom
- 127 ft.(38.7 m) maximum boom extension
- Load Moment Indicator system (LMI) (Can-Bus electronics)
- Work Area Definition System (WADS)
- Self-lubricating Easy Glide wear pads
- Internal anti-two block wire

ACCESSORIES

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

MODEL 14127H

Equipped with a 31 ft 7 in to 127 ft (9.63-38.72 m) five-section boom. This model can be equipped with a 30 ft (9.15 m) single-section jib. Maximum tip height w/ 30 ft (9.15 m) jib is 164 ft (50.00 m).



14127A on Sterling w/Cab



14127A on Sterling LT9500 TriDrive



14127H on Sterling LT7501

Load Rating Chart: Series 14127H (38.7 m) Boom With 30-54 ft (9.1-16.45 m) Jib / Full-Span Outrigger 24 ft 6 in (7.5 m)

LOAD RADIUS (FEET)	LOADED BOOM ANGLE	31FT BOOM (lb)	LOADED BOOM ANGLE	A SIFT BOOM (lb)	LOADED BOOM ANGLE	B 70FT BOOM (lb)	LOADED BOOM ANGLE	C 89FT BOOM (lb)	LOADED BOOM ANGLE	D 108FT BOOM (lb)	LOADED BOOM ANGLE	127FT BOOM (lb)	LOAD RADIUS (FEET)	LOADED BOOM ANGLE	30FT JIB (lb)
6	79.9	66,000											30	79.9	3,900
8	76	47,550											35	79.1	3,850
10	71.9	40,750	79.7	32,700									40	77.5	3,700
12	67.7	35,800	77.4	29,750									45	75.9	3,550
15	61.1	30,200	72.8	25,900	78.1	22,550							50	74.2	3,400
20	49.5	23,950	67.7	20,450	74.8	18,950	78.8	16,600					55	72.5	3,250
25	33.1	17,700	61.2	16,750	70.4	15,350	74.7	14,200	78.1	12,250	80.3	8,200	60	70.7	3,100
30			54.1	14,000	65.9	12,850	72.2	11,850	76.1	10,550	78.5	7,900	65	68.9	2,950
35			46.2	10,550	61.1	10,650	68.6	9,700	73.6	9,050	76.4	7,600	70	66.4	2,600
40			36.5	8,100	55.2	8,350	64.3	8,300	69.8	7,850	73.8	7,200	75	64.4	2,050
45			25.7	6,250	50.9	6,500	61.5	6,700	67.8	6,750	71.5	6,400	80	62.1	1,600
50					45	5,100	57.4	5,300	64.6	5,400	69.5	5,500	85	59.7	1,200
55					38.3	4,000	53.2	4,200	61.4	4,300	66.8	4,400	90	57.3	850
60					29.8	3,150	48.1	3,300	57.4	3,400	63.6	3,500	95	54.8	550
65					19.1	2,400	44	2,600	54.6	2,700	61.3	2,800			
70							38.7	2,000	51.1	2,100	58.4	2,150			
75							32.6	1,450	47.3	1,550	55.5	1,650			
80							24.5	1,000	43.2	1,100	52.2	1,200			
85							14	650	38.9	750	49.4	800			
90											45.6	500			
	0	12,150	0	4,800	0	2,000	0	500							
	ADD TO CAPACITIES WHEN NO JIB STOWED (lb)		500	300	250	200	150	100							

*SHADED AREAS ARE STRUCTURALLY LIMITED CAPACITIES

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



3112 E State Rd 124
Bluffton, IN 46714
USA

T. 1-800-252-0043
P. 1-260-824-6340
F. 1-260-824-6350

nescosales.com
www.nescosales.com
An American Company

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