



NATIONAL CRANE

8100D

PRODUCT DESCRIPTION

National's 800D is now a 23 ton machine, a 10.5% capacity increase over the 800C. Best in class boom length allows the operator to perform more lifts without a jib. Five available mounting configurations and four basic boom and jib combinations ensure adaptability for any application.

FEATURES

- Three and Four-section booms
- 23 ton maximum capacity
- 44 ft. maximum boom extension
- 152 ft. maximum tip height
- Internal Anti-two-block
- Self-lubricating "Easy Glide" Wear Pads
- Proportional boom extension

ACCESSORIES

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

MODEL 8100D

Equipped with a 29 ft. 6 in. to 100 ft. (8.99-30.48 m) four-section boom. This model can be equipped with a 25-44 ft. (7.62-13.41 m) two-section jib. Maximum tip height w/44 ft. (13.41 m) jib is 152 ft. (46.32 m).



1800D on Sterling LT7500



1800D Freightliner M2106V 6x6



Rear View

Load Rating: Series 8100D (30.48 m) Boom with 44 ft (13.41 m) Jib

LOAD RADIUS (FEET)	LOADED BOOM ANGLE	29 ft BOOM (lb)	LOADED BOOM ANGLE	A 44 ft BOOM (lb)	LOADED BOOM ANGLE	B 58 ft BOOM (lb)	LOADED BOOM ANGLE	C 72 ft BOOM (lb)	LOADED BOOM ANGLE	D 86 ft BOOM (lb)	LOADED BOOM ANGLE	100 ft BOOM (lb)	LOAD RADIUS (FEET)	LOADED BOOM ANGLE	25 ft JIB (lb)	LOADED BOOM ANGLE	44 ft JIB (lb)
5	79	46,000											30	78	3,900	80	2,750
8	72.5	30,700	79	27,900									35	75.5	3,400	78	2,500
10	68	25,500	76	23,200									40	73	2,800	76	2,250
12	63.5	21,800	73.5	19,700	78	18,050							45	70.5	2,350	74	2,000
14	59	19,000	70.5	17,200	76	15,750	79.5	14,350					50	68	1,850	72	1,850
16	54	16,700	68	15,200	74	13,850	77.5	12,650					55	65	1,500	70	1,600
20	43	13,400	61	12,200	69.5	11,250	74.5	10,350	77.5	9,550	80	7,450	60	62.5	1,300	67.5	1,350
25	25	9,700	54	9,700	64	8,950	70	8,250	74	7,650	77	7,100	65	60	1,100	65	1,050
30			45	7,900	58.5	7,350	66	6,650	70.5	6,150	74	5,850	70	57	750	63	950
35			35	6,300	53	6,100	61.5	5,600	67	5,200	71	4,900	75	54.5	600	60.5	800
40			20	4,600	46	5,100	56.5	4,750	63	4,400	67.5	4,250	80			58	600
45					38	4,250	51.5	4,050	59.5	3,800	64.5	3,650					
50					28.5	3,400	46	3,450	55	3,250	61	3,150					
55					14	2,200	40	2,900	51	2,800	57.5	2,650					
60							33	2,350	46.5	2,400	54	2,300					
65							24	1,800	41	2,000	50	1,850					
70							6.5	700	35.5	1,600	46	1,650					
75									29	1,250	42	1,350					
80									20	800	37	1,050					
85											32	800					
90											25	500					
	0	5,100	0	2,300	0	950											

LOADLINE EQUIPMENT DEDUCT (lb)

- Downhaul weight _____ 150
- One sheave block _____ 305
- Two sheave block _____ 355
- Three sheave block _____ 575

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

Effective Date

08/17/08