

ELLIOTT



D100i

DIGGER DERRICK

Heavy-Duty Performance

Delivers a maximum lifting capacity of 36,000 lbs with a 9,500-lb line pull, plus a class-leading 40 ft. digging radius and 20,000 ft-lbs of digging torque to tackle demanding jobs with ease.

Versatile Outriggers

Two sets of out-and-down overframe outriggers with a 20' span, configurable for full-span or mid-span operation. Equipped with ball socket aluminum removable pads that stow neatly on the vertical outrigger legs.

STANDARD FEATURES

- Tallest Insulating Digger Derrick in the Industry
- 46kV Insulation
- Industry-Best 10,250 lb Lifting Capacity at 30 ft Radius
- High-Pinpoint Boom Geometry
- 20,000 ft-lbs Torque – Handles Augers up to 48" Diameter
- Transferable Pole Guide
- Full and Mid-Span Lifting Capability
- Compact 232" Wheelbase for Tight-Space Maneuverability
- Full-Pressure Oil Hydraulic Controls
- Ergonomic Control Console with Graphical LMI Interface
- Easy-Access Ingress/Egress
- Large Service Access Points with Reduced Fittings for Easy Maintenance
- Backed by Lifetime Structural Warranty
- ANSI A10.31 Compliant

Operator-Focused Control Station

Easy-access, front-entry control station with a rotating, ergonomic operator seat offers excellent visibility to the work area for improved efficiency and safety.

Integrated Hydraulic & Control System

Features a hydraulically powered continuous rotation mechanism driven by a piston pump, closed-center system design, and a 10-micron return line filter. Oil/Oil hydraulic controls use six single-axis levers for precise boom and digger operation, ensuring smooth, responsive performance.

402.592.4500 | SALES@ELLIOTTEQUIP.COM | ELLIOTTEQUIP.COM



Courtesy of CraneMarket.com

MAIN BOOM LOAD RATINGS WITH INSULATING 4TH SECTION RETRACTED – OUTRIGGERS FULL SPAN
LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED

LOAD RADIUS IN FEET	LOADED BOOM ANGLE	32-ft	A 44-ft	LOADED BOOM ANGLE	B 52-ft	LOADED BOOM ANGLE	C 60-ft	LOADED BOOM ANGLE	D 68-ft	LOADED BOOM ANGLE	E 76-ft
5	75.6	36,000									
8	69.9	36,000	75.5	18,300	77.8	17,600					
10	65.9	36,000	72.8	19,000	75.5	18,300	78.1	17,500			
12	61.8	35,400	70.0	19,600	73.2	18,900	76.1	18,100	78.0	16,650	
14	57.5	29,500	67.1	20,150	70.9	19,400	74.1	18,650	76.3	16,900	77.9
16	53.0	25,000	64.2	20,600	68.5	19,900	72.1	19,150	74.5	17,100	76.3
18	48.1	21,500	61.2	20,900	66.0	20,100	70.0	18,000	72.8	16,100	74.7
20	42.7	18,700	58.1	19,000	63.6	18,250	68.0	16,550	71.0	14,550	73.2
25	25.0	13,200	49.8	13,700	57.1	13,900	62.6	13,200	66.3	11,600	69.0
30			40.1	10,000	50.0	10,150	56.3	10,250	61.5	9,450	64.9
35			27.4	7,400	42.0	7,600	50.2	7,700	56.5	7,750	60.5
40					32.4	5,750	43.4	5,850	51.0	5,900	55.9
45					18.4	3,400	35.6	3,500	44.4	3,550	50.8
50							25.6	2,650	37.8	2,700	45.5
55									29.9	2,000	39.5
60									18.9	1,400	32.1
65											23.4
70											7.7
	0.0	10,950	0.0	5,700	0.0	2,900	0.0	1,800	0.0	1,000	0.0

MAIN BOOM LOAD RATINGS WITH INSULATING 4TH SECTION EXTENDED – OUTRIGGERS FULL SPAN
LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED

LOAD RADIUS IN FEET	LOADED BOOM ANGLE	46-ft	A 59-ft	LOADED BOOM ANGLE	B 67-ft	LOADED BOOM ANGLE	C 75-ft	LOADED BOOM ANGLE	D 83-ft	LOADED BOOM ANGLE	E 90-ft
5	80.2	19,000									
8	76.5	19,000	79.3	16,500							
10	73.9	19,000	77.3	16,750	79.5	16,500					
12	71.3	17,500	75.3	17,000	77.8	16,700	79.4	16,500			
14	68.7	15,500	73.2	17,300	76.0	16,950	77.8	16,700	79.3	16,500	
16	66.0	14,000	71.2	17,400	74.2	17,150	76.3	16,500	77.9	15,200	79.1
18	63.2	12,800	69.1	15,900	72.4	15,900	74.7	15,000	76.5	13,800	77.8
20	60.4	11,500	67.0	14,600	70.6	14,500	73.1	13,700	75.0	12,700	76.5
25	52.9	9,600	61.5	12,000	65.9	12,000	68.9	11,200	71.4	10,400	73.1
30	44.4	8,200	55.6	10,200	61.0	10,000	64.7	9,400	67.7	8,800	69.9
35	34.3	7,200	49.4	8,200	55.8	8,200	60.3	8,200	63.8	7,700	66.4
40	19.5	6,400	42.3	6,450	50.2	6,400	55.6	6,400	59.8	6,400	62.7
45			34.1	4,000	43.5	4,000	50.5	4,000	55.3	4,000	58.8
50			23.3	3,200	36.6	3,200	45.1	3,150	50.8	3,150	54.9
55					28.2	2,500	38.5	2,500	46.0	2,450	50.7
60					15.9	1,950	31.5	1,950	40.7	1,900	46.2
65							22.7	1,450	34.7	1,400	41.4
70									26.8	1,000	36.0
75									16.9	600	29.7
	0.0	6,100	0.0	2,800	0.0	1,700	0.0	1,000			

OPTIONS

- Hose Reels or Hydraulic Circuits
- Radio Remote Control System
- Auger Flighting Options (24", 36", 48")
- EZ-Crib Two-Stage Outriggers
- Automatic Safety Rotation Lockout
- Custom Line Body & Flat Bed configurations
- And more additional options & configurations – contact factory or dealer

VIDEO:



FULL SPECS:



SPECIFICATIONS

Sheave Height (Maximum)

100' / 30,5 m

Sheave Height (Retracted)

40' / 12,2 m

Digging Radius (Maximum)

40' / 12,2 m

Digging Radius (Minimum)

24' / 7,3 m

Lifting Capacity (Maximum)

36,000 lb / 16 329 kg

Lifting Capacity @ 10' Radius

36,000 lb / 16 329 kg

Lifting Capacity @ 30' Radius

10,200 lb / 4 649 kg

Boom Elevation Limits

-10/+80 Degrees

Boom Rotation

360 Degrees Continuous

Digger Motor Torque

20,000 ft-lb / 27 116 Nm

Digger Speed (High/Low)

80 RPM / 35 RPM