



DIGGER DERRICK D115



KEY FEATURES

- Class leading tip height, digging radius, and lifting capacity
- Mounts on 6 x 6 chassis with room to spare
- 8,700 lb. lifting capacity at 35' median digging radius
- 20,000 ft-lbs digging torque standard
- Optimized high pin point boom geometry provides exceptional power out of the hole

Built for You.



115' Tip Height

Higher tip heights enable the machine to handle large poles and minimize number of setups.



Heavy Duty Lifting Capacity

50,000 lbs of maximum lifting capacity with a 12,000 lbs line pull.



Convenient, Versatile Control Station

Easy-access, front-entry, fully-rotating, comfortable operator's seat which provides the operator with great visibility to the work area.



Class Leading Digging Radius and Torque

44 ft. digging radius and 20,000 ft-lbs of digging torque.

OTHER FEATURES

- **Hydraulic System:** Hydraulically powered continuous rotation mechanism. Equipped with piston pump, SAE O-ring face seals on pressure lines, and a 10-micron return line filter. System is closed-center type.
- **Control System:** Oil/Oil hydraulic controls with five single axis control levers for boom and digger operations.
- **Outriggers:** Two sets of out and down overframe outriggers with 20' span. Outriggers are configured for full span or mid span operation and equipped with ball socket aluminum removable pads that stow on vertical outrigger legs.
- **Certification:** Unit complies with ANSI A10.31 for Digger Derricks.

*Specifications are subject to change.

MAIN BOOM LOAD RATINGS WITH FULLY EXTENDED OUTRIGGERS											RANGE DIAGRAM WITH OUTRIGGERS		MAIN BOOM LOAD RATINGS WITH OUTRIGGERS AT MID-SPAN POSITION											RANGE DIAGRAM WITH OUTRIGGERS												
MAIN BOOM LOAD RATINGS											AT FULL SPAN POSITION		MAIN BOOM LOAD RATINGS											AT MID-SPAN POSITION												
LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED											LOAD RADIUS FROM CENTERLINE OF ROTATION IN FEET		LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED											LOAD RADIUS FROM CENTERLINE OF ROTATION IN FEET												
LOAD RADIUS (FEET)	LOADED BOOM ANGLE	31-ft	LOADED BOOM ANGLE	A	LOADED BOOM ANGLE	B	LOADED BOOM ANGLE	C	LOADED BOOM ANGLE	D	LOADED BOOM ANGLE	E	LOADED BOOM ANGLE	F	HEIGHT ABOVE GROUND IN FEET	ROT.	LOAD RADIUS (FEET)	LOADED BOOM ANGLE	31-ft	LOADED BOOM ANGLE	A	LOADED BOOM ANGLE	B	LOADED BOOM ANGLE	C	LOADED BOOM ANGLE	D	LOADED BOOM ANGLE	E	LOADED BOOM ANGLE	F	HEIGHT ABOVE GROUND IN FEET	ROT.			
5	80.0	50,000													130		5	80.0	50,000														130			
6	78.0	40,000													120		6	78.0	40,000														120			
8	74.2	30,000	79.2	17,000											110		8	74.2	30,000	79.2	17,000													110		
10	70.3	29,000	76.6	16,800											100		10	70.3	29,000	76.6	16,800													100		
12	66.2	26,100	74.0	16,400	77.4	16,500									90		12	66.2	26,100	74.0	16,400	77.4	16,500											90		
14	62.0	22,600	71.3	16,000	75.4	16,000	78.0	16,000							80		14	62.0	19,900	71.3	16,000	75.4	16,000	78.0	16,000										80	
16	57.6	19,400	68.6	15,700	73.3	15,500	76.3	15,500	78.3	12,000					70		16	57.6	18,100	68.6	15,700	73.3	15,500	76.3	15,500	78.3	12,000								70	
18	52.9	16,500	65.8	15,300	71.1	15,000	74.5	15,000	76.9	12,000	78.6	12,000			60		18	52.9	14,400	65.8	15,300	71.1	15,000	74.5	15,000	76.9	12,000	78.6	12,000						60	
20	47.8	14,200	62.9	15,000	69.0	14,500	72.8	14,500	75.4	12,000	77.3	12,000			50		20	48.9	10,800	62.9	15,000	69.0	14,500	72.8	14,500	75.4	12,000	77.3	12,000						50	
22	42.3	11,700	60.0	14,500	66.8	14,000	71.0	14,000	74.0	12,000	76.1	12,000	78.0	7,900	40		22	42.3	8,100	60.0	14,500	66.8	14,000	71.0	14,000	74.0	12,000	76.1	12,000	78.0	7,900	40				
25	32.2	8,800	55.3	11,100	63.5	13,000	68.4	13,000	71.7	12,000	74.2	11,300	76.1	7,900	30		25	32.2	6,400	55.3	11,100	63.5	13,000	68.4	13,000	71.7	12,000	74.2	11,300	76.1	7,900	30				
30			46.9	7,800	58.1	11,000	64.2	10,800	68.3	10,900	71.2	9,700	73.2	7,900	20		30			46.9	7,800	58.1	11,000	64.2	10,800	68.3	10,900	71.2	9,700	73.2	7,900	20				
35			37.8	6,200	51.8	8,600	59.4	8,100	64.4	8,700	67.9	8,400	70.3	7,900	10		35			37.8	3,000	51.8	3,500	59.4	3,700	64.4	3,800	67.9	4,100	70.3	4,200	10				
40			24.3	4,100	44.9	6,100	54.4	5,400	60.3	6,600	64.5	7,100	67.4	6,900	5		40			24.3	1,800	44.9	2,300	54.4	2,500	60.3	2,600	64.5	2,800	67.4	2,900	5				
45					36.9	5,200	49.0	4,500	56.1	4,600	61.0	5,400	64.3	5,800			45					36.9	1,400	49.0	1,600	56.1	1,700	61.0	1,900	64.3	2,000					
50					26.7	4,000	43.1	3,700	51.7	3,800	57.4	3,800	61.2	4,300			50					26.7	700	43.1	900	51.7	1,000	57.4	1,200	61.2	1,300					
55																	55																			
60																	60																			
65																	65																			
70																	70																			
75																	75																			
80																	80																			
85																	85																			
0		5,800	0	4,000	0	2,500											0		3,800	0	1,200															

AVAILABLE OPTIONS

- Automatic Rotation Lockout allows operation with the outriggers extended on one side and retracted on the opposite side to minimize lane restriction.
- Auger flightings including a 24", 36", or 48" option. Flightings up to 36" will stow on the boom when using the standard 3" kelly bar.
- EZ-Crib Two-Stage Outrigger cylinder option provides both high ground clearance and increased ground penetration for working off-road with less cribbing.
- 600 lb capacity 2-man 36"x 72" platform with Elliott's hydraulic yoke lifting system for easy attachment to the boom tip. Fully OSHA compliant and heavy duty.
- 2-3 part hook block or a 4-part hook block to maximize your load chart to the full rated capacity
- Hose reels or hydraulic circuits to the flatbed in a variety of locations to provide power at ground level.
- Custom tool boxes and bed storage solutions can accommodate a wide range of storage needs.
- Hydraulic tank heater helps heat the oil quickly and allows you to start working quickly on the job site.

TECHNICAL SPECIFICATIONS

Sheave Height (Maximum)	115'/35,1 m
Sheave Height (Retracted)	43'/13,1 m
Digging Radius (Maximum)	44'/13,4 m
Digging Radius (Minimum)	27'/8,2 m
Lifting Capacity (Maximum)	50,000 lbs/22 679 kg
Lifting Capacity @ 10' Radius	29,000 lbs/13 154 kg
Lifting Capacity @ 35' Digging Radius	8,700 lbs/3 946 kg
Boom Elevation Limits	-8/+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

QUESTIONS? CONTACT US.

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