UTV INTERNATIONAL Hercules 5042/46 Sign Post Digger Derrick/Aerial Lift

STANDARD SPECIFICATIONS

Maximum Lifting Capacity:

5,000 lbs at 8 ft

40' 6"

Bucket Reach:

46'

Boom Operational Angles

Auger Digging Range

12' - 19' ft

Planetary Winch Capacity:

5,000 lbs at 8 ft

40' 6"

46'

-15° to 80°

12' - 19' ft

2,200 lbs

Hydraulic powered three stage telescopic boom

4" Boom tip flares, 2x 6" anodized aluminum sheaves, groved for 7/16" to 7/8" ropes

Continuous rotation, worm gear drive (can be restricted to curb side only)

Center mount pedestal over rear axle with boom stowed toward front

Hydraulic overload protection system with manual override

Full pressure hydraulic controls and turret mount seat for maximum comfort

7/16" Nylon rope with 2,000 lbs working load

2,500 ft lb Single Speed Auger Drive, 2.0" Hex Shaft, Standard (Options Available)

25 Gallon Hydraulic Oil Reservoir

Right Hand Auger Storage with Over Storage Protection

Single lane footprint with: 2 Hydraulically Powered Vertical Street Side Outriggers and

2 Hydraulically Operated Curb Side Radial Outriggers

Two sets of operations and parts and service manuals

AVAILABLE DIGGER DERRICK & BOOM OPTIONS

Chassis	19,000 lb GVWR recommended chassis					
Cub Frama Ontions	84" CA chassis					
Sub Frame Options	108" CA chassis					
Pole Claw	Hydraulic 4 way					
Reservoir	Hydraulic oil cooler, 9 kW thermal cooling capacity					
Rotation Option	Llimited to curb side only (190°)					
Outrigger Option	Full footprint outrigger configuration with 4 hydraulic radial outriggers					
3 rd Boom	Steel (non insulated)					
3 rd & 4 th Boom	Fiberglass insulated for 46 kVA Category "C"					
3** & 4** B00111	Limit bucket working height to 35 ft, side reach to 30 ft					
	Folding bucket (42" x 24" x 24") attachment with full pressure top hydraulic					
4 th Boom	controls - 5 Functions: Winch, 1st & 2nd Boom Extension, Boom Elevation, &					
l Boom	Boom Rotation. Wireless radio control in bucket for Horn, Throttle & Engine					
	Stop					
Boom Options	Jib, 600 lb capacity with adjustable length and angle					
	Bucket liner					
Bucket	Bucket Cover					
	Hydraulically self levelling bucket					
Emergency Power	12v for boom rotation, lowering and all outrigger functions					
Tools Outlet	Tools outlet available at the bucket and/or on deck					
Flat Bed Option	7' X 7' flat bed with 10" high wooden side wall					
Auger	10" Dirt or rock auger - Other sizes available					



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HERCULES DIGGER DERRICK CRANE LOAD CHART

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BOOM	SHEAVE	LOAD	ZONE A	ZONE B
ANGLE	HEIGHT	RADIUS	MAX.	MAX.
0	7.0	14.0	1 260	2 000
15	10.6	13.5	1 260	2 000
30	14	12.1	1 440	2 000
45	16.9	9.9	1 700	2 000
60	19.1	7.0	2 000	2 000
80	20.8	2.4	2 000	2 000

ONE BOOM EXTENDED

BOOM	SHEAVE	LOAD	ZONE A	ZONE B
ANGLE	HEIGHT	RADIUS	MAX.	MAX.
0	7.0	23.0	780	1 300
15	13.0	22.2	780	1 300
30	18.5	19.9	840	1 400
45	23.3	16.3	1 080	1 800
60	26.9	11.5	1 500	2 000
80	29.7	4.0	2 000	2 000

TWO BOOMS EXTENDED

BOOM	SHEAVE	LOAD	ZONE A	ZONE B
ANGLE	HEIGHT	RADIUS	MAX.	MAX.
0	7.0	32.0	540	900
15	15.3	30.9	540	900
30	23.0	27.7	600	1 000
45	29.6	22.6	780	1 300
60	34.7	16.0	1 080	1 800
80	38.5	5.6	2 000	2 000

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