

Birmingham

FOUNDATION EQUIPMENT

Model B-6505HD



Features

- Remote Throttle - infinitely controllable energy
- Clean Combustion- Low Emissions
- Fuel injection
- Easy Start in soft driving
- Available with hydraulic trip
- Free-standing operation
- Specialty driving adapters
- Optional Kinetic Energy Monitor
- Optional Energy Control System (patented)
- Environmentally friendly (no-drip operation, bio-fuels and oils)

Operational Specifications

Ram Mass:	22,050 lbs (10 000 kg)
Rated Energy:	220,500 ft•lbs (300 kJ)
Stroke at Rated Energy:	10.0 ft (3.0 m) 38 blows per minute
Maximum Physical Stroke:	13.0 ft (4.0 m)
Range of Operation:	4.5-11.5 ft (1.4-3.5 m) 56-35 blows per minute
Kinetic Energy at Rated Stroke:	152,150 ft-lbs (206 kJ)
Hammer Weight - bare hammer:	42,210 lbs (19 190 kg)
Weight with Typical USA-Style Box Lead Guides:	42,860 lbs (19 480 kg) 37 in (940 mm) guides
Typical Direct-Drive Housing:	2,600 lbs (1 180 kg) 30.0 in (762 mm) opening
Total Typical Operating Weight:	45,460 lbs (20 660 kg) (with guides, trip, and drive housing)
Fuel Tank Capacity:	45.0 US Gal. (170 L)
Oil Tank Capacity:	9.5 US Gal. (36 L)
Overall Length:	20.5 ft (6.3 m)
Length including Direct-Drive Housing:	23.0 ft (7.0 m)
Minimum Box Lead size:	37 in (940 mm)



BERMINGHAM

**FOUNDATION SOLUTIONS
SINCE 1897**



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www.birmingham.com

English Units

B-6505HD		22,050 lb Piston	
BPM	Stroke (ft)	Potential Energy (ft•lb)	Velocity (ft/s)
38	10.0	220,500	21.0
39	9.5	209,480	20.5
40	9.1	200,660	20.0
41	8.6	189,630	19.5
42	8.2	180,810	19.0
43	7.8	171,990	18.5
44	7.5	165,380	18.0
45	7.2	158,760	17.5
46	6.9	152,150	17.0
47	6.6	145,530	16.5
48	6.3	138,920	16.0
49	6.0	132,300	15.5
50	5.8	127,890	15.0
51	5.6	123,480	14.6
52	5.4	119,070	14.2
53	5.2	114,660	13.8
54	5.0	110,250	13.4
55	4.8	105,840	13.0
56	4.6	101,430	12.6

SI Units

B-6505HD		10 000 kg Piston	
BPM	Stroke (m)	Potential Energy (kJ)	Velocity (m/s)
38	3.05	300	6.4
39	2.90	284	6.3
40	2.77	272	6.1
41	2.62	257	5.9
42	2.50	245	5.8
43	2.38	233	5.6
44	2.29	225	5.5
45	2.20	216	5.3
46	2.10	206	5.2
47	2.01	197	5.0
48	1.92	188	4.9
49	1.83	180	4.7
50	1.77	174	4.6
51	1.71	168	4.5
52	1.65	162	4.3
53	1.59	156	4.2
54	1.52	149	4.1
55	1.46	143	4.0
56	1.40	137	3.8

 Stroke height is a function of soil resistance and may not be attainable in certain driving conditions.
 Standard Operating Range.