

# Birmingham

FOUNDATION EQUIPMENT

## Model B-64



Clean Series 2006

### 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:	14,110 lbs (6 400 kg)
Rated Energy:	162,260 ft•lbs (220 kJ)
Stroke at Rated Energy:	11.5 ft (3.5 m) 35 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:	105,000 ft•lbs (142 kJ)
Hammer Weight - bare hammer:	28,000 lbs (12 700 kg)
Weight with Typical USA-Style Box Lead Guides:	29,000 lbs (13 150 kg) 32 in (813 mm) guides
Typical Direct-Drive Housing:	2,350 lbs (1 070 kg) 30.0 in (672 mm) opening
Total Typical Operating Weight:	31,350 lbs (14 220 kg) (with guides, trip, and drive housing)
Fuel Tank Capacity:	40.0 US Gal. (150 L)
Oil Tank Capacity:	13.0 US Gal. (50 L)
Overall Length:	24.27 ft (7.4 m)
Length including Direct-Drive Housing:	26.38 ft (8.0 m)
Minimum Box Lead size:	32 in (813 mm)



**BERMINGHAM**

**FOUNDATION SOLUTIONS  
SINCE 1897**



Wellington Street Marine Terminal, Hamilton, ON, Canada L8L 4Z9  
Phone 1.905.528.0425 • Fax 1.905.528.6187 • Toll Free (Canada & USA 1.800.668.9432)  
[www.birmingham.com](http://www.birmingham.com)

English Units

<b>B-64 14,110 lb Piston</b>			
BPM	Stroke (ft)	Potential Energy (ft·lb)	Velocity (ft/s)
35	11.8	166,500	22.5
36	11.2	158,030	22.0
37	10.6	149,570	21.5
38	10.0	141,100	21.0
39	9.5	134,050	20.5
40	9.1	128,400	20.0
41	8.6	121,350	19.5
42	8.2	115,700	19.0
43	7.8	110,060	18.5
44	7.5	105,830	18.0
45	7.2	101,590	17.5
46	6.9	97,360	17.0
47	6.6	93,130	16.5
48	6.3	88,890	16.0
49	6.0	84,660	15.5
50	5.8	81,840	15.0
51	5.6	79,020	14.6
52	5.4	76,190	14.2
53	5.2	73,370	13.8
54	5.0	70,550	13.4
55	4.8	67,730	13.0
56	4.6	64,910	12.6

SI Units

<b>B-64 6 400 kg Piston</b>			
BPM	Stroke (m)	Potential Energy (kJ)	Velocity (m/s)
35	3.60	225.7	6.9
36	3.41	214.3	6.7
37	3.23	202.8	6.6
38	3.05	191.3	6.4
39	2.90	181.7	6.3
40	2.77	174.1	6.1
41	2.62	164.5	5.9
42	2.50	156.9	5.8
43	2.38	149.2	5.6
44	2.29	143.5	5.5
45	2.20	137.7	5.3
46	2.10	132.0	5.2
47	2.01	126.3	5.0
48	1.92	120.5	4.9
49	1.83	114.8	4.7
50	1.77	111.0	4.6
51	1.71	107.1	4.5
52	1.65	103.3	4.3
53	1.59	99.5	4.2
54	1.52	95.6	4.1
55	1.46	91.8	4.0
56	1.40	88.0	3.8

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