

# Birmingham

FOUNDATION EQUIPMENT

## Model B-9



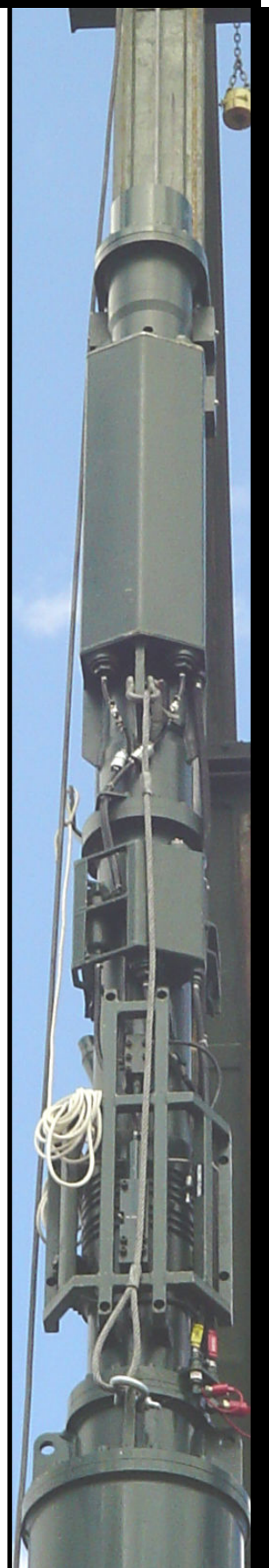
Clean Series

### 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:	2,000-lbs (910-kg)
Rated Energy:	21,000-ft•lbs (28-kJ)
Stroke at Rated Energy:	10.5 ft (3.2 m) 37 blows per minute
Maximum Physical Stroke:	11.5 ft (3.5 m)
Range of Operation:	5.0-10.5 ft (1.5-3.2 m) 54-37 blows per minute
Kinetic Energy at Rated Stroke:	13,650 ft-lbs (18.5 kJ)
Hammer Weight - bare hammer:	4,630 lbs (2 100 kg)
Weight with Typical USA-Style Box Lead Guides:	4,850 lbs (2 200 kg) 21 in (533 mm) guides
Typical Direct-Drive Housing:	950 lbs (430 kg) 21 in (530 mm) opening
Total Typical Operating Weight:	5,800 lbs (2 630 kg)
Fuel Tank Capacity:	15.0 US Gal. (57 L)
Oil Tank Capacity:	1.5 US Gal. (6 L)
Overall Length:	18.0 ft (5.5 m)
Length including Direct-Drive Housing:	19.4 ft (5.9 m)
Minimum Box Lead size:	19 in (483 mm)



**BERMINGHAM**

**FOUNDATION SOLUTIONS  
SINCE 1897**



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English Units

<b>B-9 2,000 lb Piston</b>			
BPM	Stroke (ft)	Potential Energy (ft•lb)	Velocity (ft/s)
37	10.6	21,200	21.5
38	10.0	20,000	21.0
39	9.5	19,000	20.5
40	9.1	18,200	20.0
41	8.6	17,200	19.5
42	8.2	16,400	19.0
43	7.8	15,600	18.5
44	7.5	15,000	18.0
45	7.2	14,400	17.5
46	6.9	13,800	17.0
47	6.6	13,200	16.5
48	6.3	12,600	16.0
49	6.0	12,000	15.5
50	5.8	11,600	15.0
51	5.6	11,200	14.6
52	5.4	10,800	14.2
53	5.2	10,400	13.8
54	5.0	10,000	13.4
55	4.8	9,600	13.0
56	4.6	9,200	12.6

SI Units

<b>B-9 900 kg Piston</b>			
BPM	Stroke (m)	Potential Energy (kJ)	Velocity (m/s)
37	3.23	28.5	6.6
38	3.05	26.9	6.4
39	2.90	25.6	6.3
40	2.77	24.5	6.1
41	2.62	23.1	5.9
42	2.50	22.1	5.8
43	2.38	21.0	5.6
44	2.29	20.2	5.5
45	2.20	19.4	5.3
46	2.10	18.5	5.2
47	2.01	17.7	5.0
48	1.92	17.0	4.9
49	1.83	16.2	4.7
50	1.77	15.6	4.6
51	1.71	15.1	4.5
52	1.65	14.6	4.3
53	1.59	14.0	4.2
54	1.52	13.4	4.1
55	1.46	12.9	4.0
56	1.40	12.4	3.8

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