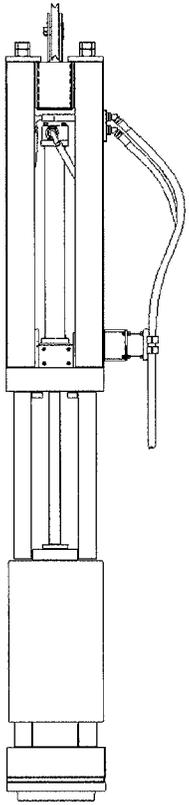


The J&M Model 345 Hydraulic Impact Hammer

Engineered for long-term investment value and maximum ownership utilization



- ◆ All J&M hydraulic impact hammers operate with a patented 100% hydraulic, infinitely variable stroke control system. On the J&M hammers, you will find no troublesome electrical connections, fragile sensors or complex computer controls.
- ◆ All J&M hydraulic impact hammers have a super-tough, single-piece, ferro-chromium alloy forged ram to eliminate segmental ram separation or ram point failures.
- ◆ All J&M hydraulic impact hammers utilize a time-proven and ultra-rugged 4-column tensioned cable connected design.
- ◆ All J&M hydraulic impact hammers have a patented hydraulic ram cycle control system that eliminates energy-robbing backpressure and ensures maximum energy to the pile.
- ◆ All J&M hammers are built with hard-chromed columns and self-lubricating nylon ram bearings to minimize friction and maximize transferred energy.
- ◆ Supplied with environment friendly non-toxic biodegradable hydraulic oil. 
- ◆ Remote electric pendant control includes engine speed control for fuel efficiency and emergency engine stop for personnel safety. Duplicate full-function controls on panel eliminate downtime from accidental damage.
- ◆ Optional radio remote control provides total operator freedom of movement.
- ◆ Time proven reliable open-loop hydraulic system ensures maximum efficiency, maximum reliability and simpler, quicker unit serviceability.
- ◆ Optional digital radio energy monitoring system measures and records delivered energy for every blow but does not effect the otherwise 100% hydraulic control and operating system.

HAMMER

| | |
|---------------------------------|-------------------------|
| Ram weight | 34,500 lbs (15649 kg) |
| Maximum stroke | 4 ft (1219 mm) |
| Rated energy | 138,000 ft-lbs (187 kJ) |
| Blow rate @ maximum energy | 45 bpm (45 bpm) |
| Minimum stroke | 1 ft (305 mm) |
| Hammer weight ⁽¹⁾ | 54,650 lbs (24789 kg) |
| Operating weight ⁽²⁾ | 61,620 lbs (27950 kg) |
| Hammer length ⁽¹⁾ | 21' 11" (6680 mm) |
| Operating length ⁽²⁾ | 23' 11" (7290 mm) |
| Width | 36 in (914 mm) |
| Depth | 60 in (1524 mm) |
| Hydraulic hose length | 150 ft (45 m) |
| Hydraulic hose weight | 1,700 lbs (770 kg) |

POWER UNIT

| | |
|-------------------------------|----------------------|
| Engine | Caterpillar 3408TA |
| Power | 535 HP (399 kW) |
| Operating speed | 1800 rpm (1800 rpm) |
| Drive pressure | 5,000 psi (345 bar) |
| Drive flow | 120 gpm (454 lpm) |
| Stroke system pressure | 1,000 psi (295 bar) |
| Stroke system flow | 5.2 gpm (20 lpm) |
| Weight (w/ full fluid & fuel) | 15,400 lbs (6985 kg) |
| Length | 154 in (3910 mm) |
| Width | 60 in (1525 mm) |
| Height | 96 in (2435 mm) |
| Hydraulic reservoir | 385 gal (1460 l) |
| Fuel capacity | 150 gal (570 l) |

NOTES

1) Bare hammer weight and length only. No hoses or helmet are included.

2) Includes 18" square concrete helmet only. No hoses are included. See hose weight listed separately.



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