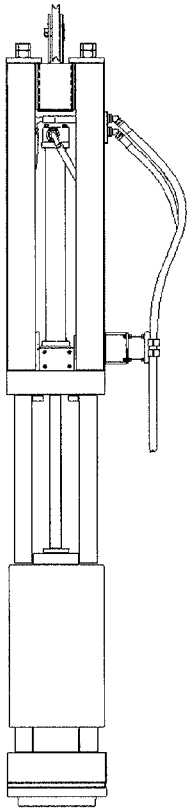



The J&M Model 345 Hydraulic Impact Hammer

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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