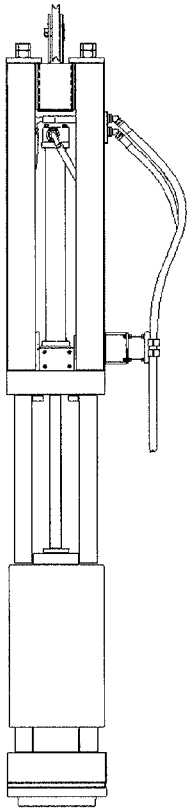



The J&M Model 220 Hydraulic Impact Hammer

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.
- ◆ Highest quality Volvo piston pumps in time proven reliable open-loop hydraulic system ensure 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	22,000 lbs (9978 kg)
Maximum stroke	4 ft (1219 mm)
Rated energy	88,000 ft-lbs (119 kJ)
Blow rate @ maximum energy	45 bpm (45 bpm)
Minimum stroke	1 ft (305 mm)
Hammer weight ⁽¹⁾	35,000 lbs (15875 kg)
Operating weight ⁽²⁾	41,395 lbs (18776 kg)
Hammer length ⁽¹⁾	21' 0" (6401 mm)
Operating length ⁽²⁾	23' 7" (7188 mm)
Width	32 in (813 mm)
Depth	48 in (1219 mm)
Hydraulic hose length	150 ft (45 m)
Hydraulic hose weight	1,340 lbs (608 kg)

POWER UNIT

Engine	Caterpillar 3306TA
Power	335 HP (250 kW)
Operating speed	2100 rpm (2100 rpm)
Drive pressure	5,000 psi (345 bar)
Drive flow	87 gpm (330 lpm)
Stroke system pressure	4,300 psi (295 bar)
Stroke system flow	5.2 gpm (20 lpm)
Weight (w/ full fluid & fuel)	9,600 lbs (4355 kg)
Length	126 in (3200 mm)
Width	60 in (1525 mm)
Height	68 in (1730 mm)
Hydraulic reservoir	270 gal (1020 l)
Fuel capacity	110 gal (415 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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