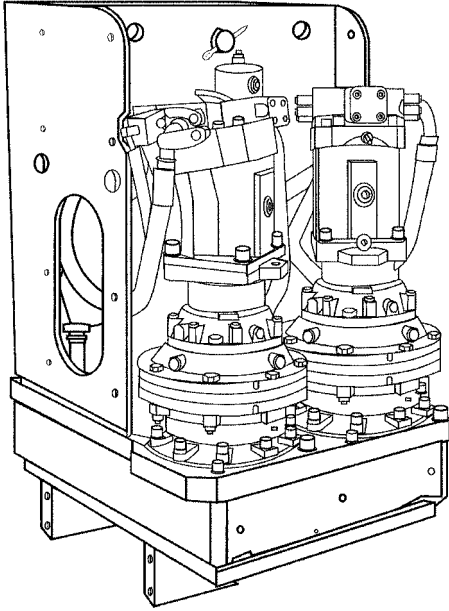


The J&M Model 55AT Auto-Torque Top Drive Rotary Head



Auto-Torque system maximizes drilling speed from top to bottom

- ◆ The most efficient and productive rotary head available in its torque class.
- ◆ Automatic torque-speed adjustment continually utilizes 100% of the available engine power to maximize both drilling speed and production.
- ◆ Two override modes include: 1) continuous full torque for hard rock drilling and 2) low speed operation for DTH and augercast operations.
- ◆ State of the art Chevron Clarity non-toxic and biodegradable hydraulic oil.
- ◆ Simple dual-motor design provides superior reliability and simplifies unit serviceability and maintenance.
- ◆ Pressure compensated hydraulic motors automatically adjust torque output to match soil conditions.
- ◆ Remote electric pendant control includes operational mode selection switches, engine speed control for fuel efficiency and emergency stop for personnel safety.
- ◆ Hollow output shaft accepts up to 6 inch diameter air or grout swivels.
- ◆ Highest efficiency Volvo piston pumps and Rexroth piston motors provide the maximum available hydraulic power transfer and horsepower efficiency.
- ◆ Open-loop hydraulic system provides jobsite condition reliability and ensures maximum efficiency, maximum reliability and simpler, quicker unit serviceability.
- ◆ Made in the USA by the industry's most technologically innovative manufacturer of rotary heads and foundation equipment since 1974.

ROTARY HEAD

| | |
|-----------------------------|---------------------------|
| Maximum torque | 55,000 ft-lbs (7600 kg-m) |
| Maximum speed | 85 rpm (85 rpm) |
| Maximum crowd force | 80,000 lbs (36290 kg) |
| Rotary swivel ID (standard) | 3 in (76 mm) |
| Rotary swivel ID (optional) | 4 in (102 mm) |
| Height | 52 in (1320 mm) |
| Width | 26 in (660 mm) |
| Depth | 38 in (965 mm) |
| Weight (without hoses) | 4,400 lbs (1995 kg) |
| Hydraulic hose length | 100 ft (30 m) |
| Hydraulic hose weight | 500 lbs (225 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) |
| 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) |

AVAILABLE ACCESSORIES

Lead adapters to fit any size of lead from 26 inch and above or spud guides to fit 14 inch H-beams.

Output shaft flange adapters to match your drill stem connection.

This unit is also available in a dual-speed configuration. See the Model 5050 for more information.

APPLICATION NOTES

An appropriate shock-sub is recommended for DTH hammer applications.



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