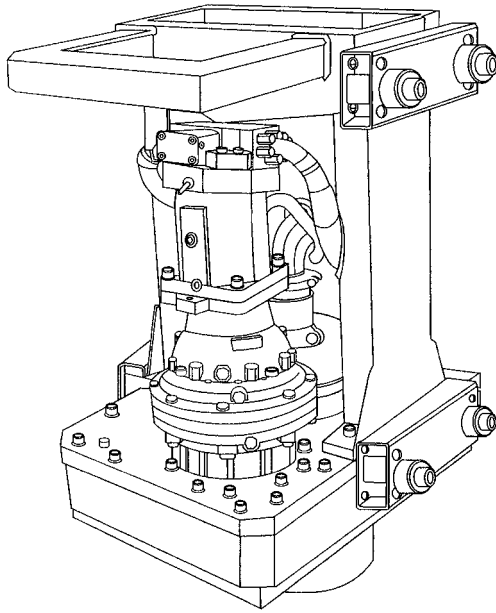


# The J&M Model 35AT Auto-Torque Top Drive Rotary Head



## 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 single-motor design provides unmatched reliability and simplifies unit serviceability and maintenance.
- ◆ Pressure compensated hydraulic motor automatically adjusts 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 4 inch diameter air or grout swivels.
- ◆ Highest efficiency Volvo piston pumps and Rexroth piston motor provides 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		POWER UNIT	
Maximum torque	32,400 ft-lbs (4480 kg-m)	Engine	Caterpillar 3306TA
Maximum speed	75 rpm (75 rpm)	Power	335 HP (250 kW)
Maximum crowd force	35,000 lbs (15,875 kg)	Operating speed	2100 rpm (2100 rpm)
Rotary swivel ID (standard)	3 in (76 mm)	Drive pressure	5,000 psi (345 bar)
Rotary swivel ID (optional)	4 in (102 mm)	Drive flow	87 gpm (330 lpm)
Height	52 in (1320 mm)	Weight (w/ full fluid & fuel)	10,485 lbs (4750 kg)
Width	26 in (660 mm)	Length	126 in (3200 mm)
Depth	38 in (965 mm)	Width	60 in (1525 mm)
Weight (without hoses)	3,000 lbs (1360 kg)	Height	68 in (1730 mm)
Hydraulic hose length	100 ft (30 m)	Hydraulic reservoir	270 gal (1020 l)
Hydraulic hose weight	500 lbs (225 kg)	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 fixed-speed configuration. See the Model 3060 for more information.

## APPLICATION NOTES

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



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