

Atlas Copco Water Well Drills

TH60 Work with the Best



Atlas Copco

This Is You

Worldwide service and support

Service, support and genuine Atlas Copco parts are as close as the nearest phone. A worldwide network of distributors and specially trained servicemen is ready to meet your drilling needs around the clock.

AFTERMARKET

TM

Optional Equipment:

- Sand Reel
- Rod Spinner
- Injection Line Oiler
- Deephole Package
- 38 ft Derrick Packages
- Aluminum Platform
- Water Injection
- Two Part Line
- Mud Pumps
- Hub Odometer
- High Torque Rotary Heads
- 20 in Table Opening
- Air Conditioning
- Single Rod Loader

Not all options are available on every model. Contact your local distributor for final configuration.

Designed by a driller with YOU in mind

Extended Derrick

The extended derrick option gives you an additional 6 ft (1,829 mm) of derrick length to handle longer casing or to add a casing hammer. A second set of retract gates allows the rotary head to be retracted at two different locations within the derrick.



Retractable Swing-out Table

The TH60 table is designed to open and retract to provide a clear working space for large casing and tools.



Ergonomic Console

Being on your feet all day is hard enough; you don't want to twist and bend to operate your drill as well. The function-zoned operator's console groups controls into sections that will be used together and puts the instrumentation at eye level, making the drill easier and more comfortable to run.

Variable Air Pressure and Volume

An integral component of the Cyclone system is the ability to increase or decrease both pressure and volume as needed, giving you more control when drilling a hole.



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■ Hydraulic Drawworks and Jib Boom

In conjunction with the retractable rotary head, either a 16,000 lb (7,258 kg) or 18,000 lb (8,165 kg) drawworks is available. The jib boom swings and extends to position drill pipe, tools and casing directly over the hole, reducing the amount of labor required.

■ Retractable Rotary Head

The TH60 rotary head can be retracted and positioned over either the center of the hole or the internal carousel. Retracting the head allows drill pipe to be loaded out of the carousel and allows casing to be handled more easily inside the derrick.

■ Pipe Rack and Carousel

The TH60 pipe rack carries up to 24 pcs [480 ft (146 m)] of 3.5 in (89 mm) drill pipe, or 15 pcs [300 ft (91.4 m)] of 4.5 in (114.3 mm) drill pipe. An internal carousel holds either 9 pcs of 3.5 in (89 mm) drill pipe or 7 pcs of 4.5 in (114.3 mm) drill pipe and can be fully loaded for transport, maximizing on-board footage.

■ Air Compressor

Available in two sizes for the TH60 825/350 and the new 900/350, the Ingersoll-Rand air compressor is designed to provide you with years of service. To prove it, Ingersoll-Rand will offer you an extended 5-year or 10,000-hour compressor warranty free of charge.*

*Some restrictions apply. Contact your local distributor for details.



New, Powerful Chassis and Engine

With the Peterbilt Chassis and Cummins ISX engine with 565 HP horsepower available, you can feel confident that the TH60 has the power needed for on- or off-road maneuverability, and that the hydraulics and air compressor won't bog down in difficult drilling conditions.

Proven Transfer Case

Designed in conjunction with Peterbilt engineers, the transfer case is rock solid, under even the most difficult conditions.

Standard Truck Options

The standard options on your Peterbilt truck will keep you comfortable while working hard. These options include a deluxe cab, Jacob-style braking, and a driver-controlled, no-spin rear differential for improved traction. The Dress-up package (chrome bumper and exhaust and aluminum wheels and fuel tank are also standard.)

GENERAL SPECIFICATIONS

	825	900
Carrier	Peterbilt 357 6x4 Cummins ISX diesel engine 475 hp @ 2,000 RPM 235" (5,969 mm) wheelbase 60,000 lb (27,216 kg) GVWR	Peterbilt 357 6x4 Cummins ISX diesel engine 565 hp @ 2,000 rpm 247" (6,273 mm) wheelbase 66,000 lb (29,937 kg) GVWR
Power Pack Engine Compressor	Truck engine w/ transfer case IR HR2 over/under screw 825 cfm @ 350 psi	Truck engine w/ transfer case IR HR2 over/under screw 900 cfm @ 350 psi
Drawworks Lifting Capacity	18,000 lb (8,165 kg) Single line, bare drum	
Derrick Capacity Size Retract Channels	45,000 lb (20,412 kg) 32' L x 36" W x 28" D (9.8 m x 914 mm x 711 mm) Pneumatic foot pedal at platform	
Feed System* Single-cylinder, cable feed Pulldown Pullback Feed rate Fast feed rate-up Fast feed rate-down	30,000 lb (13,608 kg) 26,500 lb (12,020 kg) 24 fpm (7.3 m/min) 220 fpm (67.1 m/min) 125 fpm (38.1 m/min)	
Rotary Head Type RPM Torque Swivel/Piping	Four-motor spur gear 0-160 5,000 ft-lb (6,780 Nm) 2.5" (63 mm) w/ 3" (76 mm) ID	

*Ratings are stated in theoretical values. Actual ratings vary with rig weight and front jack location.

SHIPPING DIMENSIONS

Width:	8' (2.4 m)		
Length, derrick down:	36' (11 m)		
Height, derrick down	13' 6" (4.1 m)		
Height, derrick up:	40' 6" (12.3 m)		
Derrick:	38" x 36" x 36' (965 mm x 914 mm x 11 m)		
Gross Weight: *			
(Less drill pipe & mud pump)	825	900	
	lb	50,300	53,560
	kg	22,815	24,295

*Depending on derrick length, chassis and other options.



Nothing contained in this brochure is intended to extend any warranty or representation, expressed or implied, regarding the products described herein. Any such warranties or other terms and conditions of sale shall be in accordance with Atlas Copco's standard terms and conditions of sale for such products which are available upon request. Commitment to innovation is a continuing goal at Atlas Copco. Designs and specifications are subject to change without notice or obligation.

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