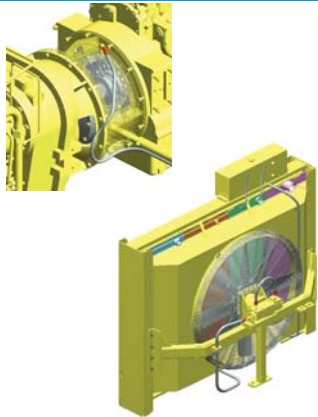


A combination of old and new technology on the **T3W** boosts productivity, efficiency, and fuel savings while providing the familiarity and reliability you expect from an Atlas Copco Water Well Drill.



**FUEL SAVINGS**

**Variable Controlled Cooling Fan:**

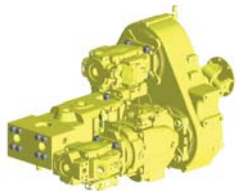
To ensure longer component life, the fan **only runs as fast as needed to maintain optimal fluid temperature**, drastically reducing fuel consumption and noise.

**Electronic air regulation:**

Variable air pressure and volume **control allow you to increase or decrease both pressure and volume as needed**, giving you more control when drilling a hole.

**Compressor In/Out-box:**

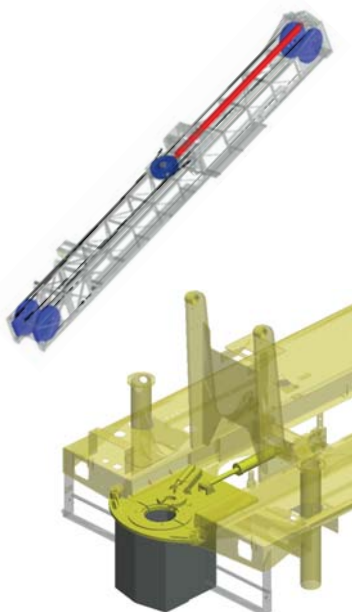
An In/Out box disconnects the power from the compressor, allowing you to **isolate the compressor from the engine while the other systems on the rig keep operating**. When you disengage the compressor from the engine, you save appr. 25% engine fuel and power, increase the compressor life and lower maintenance cost. The feature is very useful when tripping out of a hole or drilling with mud and will save you money.



**ON-DEMAND TECHNOLOGY**

**Hydraulics:**

Utilizing axial piston pumps with on-demand technology provides 10-15% increase in productivity and supports up to **150 ft./min feed speeds, and 165 ft./min winch speeds**.



**OPTIMUM EFFICIENCY**

**Rapid, Safe Pipe Changes:**

The T3W uses an internal drill pipe carousel with two-way indexing. The carousel and drill pipe are out of the way and in the optimum place for rapid, safe pipe changes. Each pipe sits securely in its own boot at the base of the carousel.

**Fast, Efficient Pipe Tripping:**

The retractable rotary head moves out of the way, so the draw works can be positioned over the center of the hole to handle casing or trip drill pipe. The hydraulic system supports **simultaneous fast feed and main winch operation at full speed**, which allows the driller to quickly trip out of the hole using both the draw-works and hydraulic break-out wrench.

**Smooth, Precise Feed:**

Pre-stretched cables offer the strength of a chain when the head retracts. The feed cables, anchored on swivel yokes to the head, absorb drilling shocks. **Feed cylinders mounted on top of the tower** ensure maximum performance and increase the available pullback power

**Durable Cable and Sheaves:**

The use of **large sheaves and a D to d ratio of 1:28 between sheave and cable** ensures long cable and sheave life.

**Retractable Swing-out table with large 20 in. / 508 mm opening:**

The table, designed to open and retract, provides a clear working space for large casing and tools. **An opening up to 20 in. / 508 mm** (depending on carousel option) is clear all the way up the derrick.

