



750 ECIX 1350 Top Drive

BULLETIN 20310



The TESCO 750 ton Model ECIX 1350 AC Electric Top Drive System for Offshore or Heavy Duty Onshore Applications

The TESCO 750 ECIX 1350 top drive system has a rated lifting capacity of 750 tons, making it ideally suited for many offshore applications, yet in the TESCO tradition, this ECIX is compact enough that it can also be installed on many land rigs where high performance drilling requirements exist. The ECIX makes continued use of TESCO's permanent magnet motor technology, and incorporates a commercial VFD, making field service simpler. The ECIX Top Drive is designed to be installed on existing guide rail torque arrest systems and utilizes an adaptor dolly, minimizing rig modifications in a retrofit application.

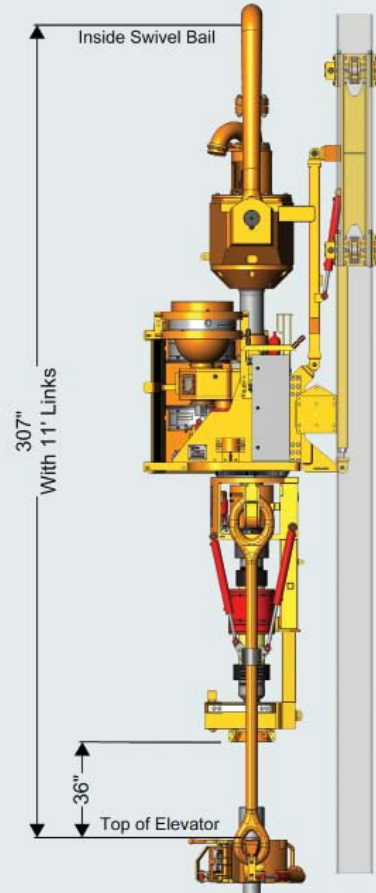
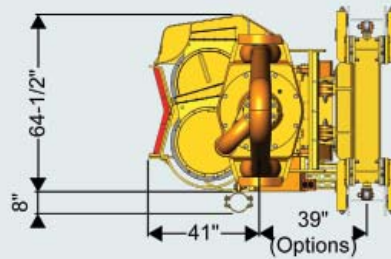
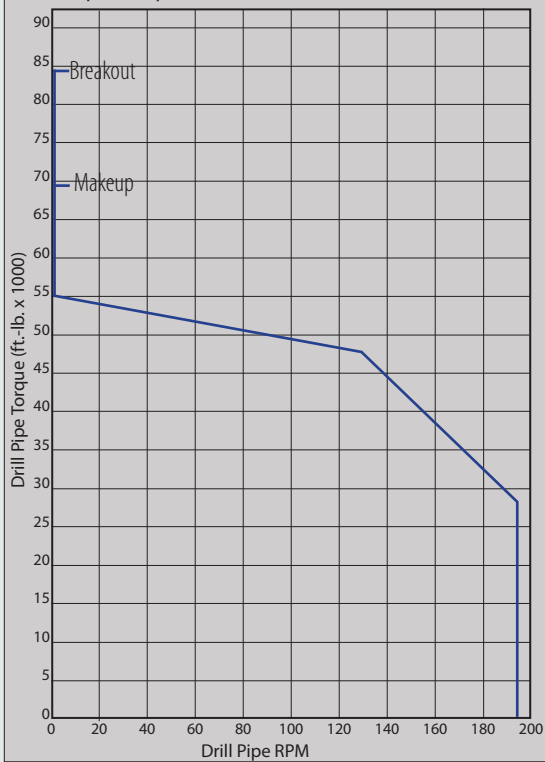
Other benefits include:

- The complete Top Drive system can be easily installed in most rigs, with minimal modifications, and often in a single day.
- The ACVFD readily interfaces with existing rig power systems.
- Modular Permanent Magnet motors allow for operations to continue with reduced output in the event of a drive or motor failure.
- Larger grabber box can readily handle 6–5/8" drill pipe.
- Full pipe handling and robotics features.
- Supplied with an integrated swivel, 7500psi WP rating.

750 TON ECIX 1350 HP (with integrated swivel)

Rated Capacity	750 ton/680 tonne
Rated Power	1350 hp 1 007 kW
Weight	28,000 lbs. 12,727 kg
Operating Length (including 11' links & elevators)	307 in. 7 797.8 mm
Width	64 1/2 in. 1 638.3 mm
Max. Drill Torque	58,000 ft.-lb. 7 860 daN-m
Make-up Torque	68,000 ft.-lb. 9 490 daN-m
Breakout Torque	84,000 ft.-lb. 11 389 daN-m
Max Speed	193 rpm
Quill ID	3.5 in. 88.9 mm
Power System (Mechanical Module)	
Weight (approximate)	8,200 lb. 3 730 kg
Width	91 in. 2 310 mm
Length	250 in. 6 350 mm
Power System (Power Module)	
Weight (approximate)	9,500 lb. 4 320 kg
Length	115 in. 2 920 mm
Width	91 in. 2 310 mm

Performance Curve
750 TON ECIX 1350 HP TOP DRIVE
Torque vs. Speed - 18.61:1 Gear Ratio (Standard)



- 1500 hp upgrade is available.
- Weight includes top drive, pipe handling equipment and torque bushing.
- The ECIX is equipped with an integrated swivel.
- Power unit workshops contain high ambient cooling, and optional stacking kits are also available.
- Available with 350 or 500 ton drill pipe elevators.

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