

TOP DRIVE SYSTEM

Kenera top drive system is specially designed for difficult operating conditions and to reduce the non-productive time of drilling rigs.

Kenera TDSs are suitable for both onshore and offshore drilling rigs.

FOR DRILLING OF PRODUCTION OIL, GAS AND GAS CONDENSATE WELLS

TD-500-XT

FEATURES OF KENERA TDS:

- The system operates on AC power and is designed for use as a portable or permanently installed unit on onshore and offshore drilling rigs.
- It is possible to equip with additional functions that can significantly improve drilling results:
 - ✓ Kenera "Drill String Oscillator"
 - ✓ Kenera "Torque damper"
- Equipped with the latest control system with a Russian-made variable frequency drive (VFD).
- Wide range of torque and speed characteristics.
- The control system is supplied in a container version, which does not require special permission for transportation.
- The cable loop is produced in-house in Russia.
- Compact hydraulic power unit integrated into the SVP drilling unit eliminates the need for a hydraulic line.
- The dimensions of the system ensure ease and safety of its installation on existing and new drilling rigs



SPECIFICATIONS

Loading capacity	453 metric tons	500 short tons
Main drive	AC motor	AC motor
Power	850 кВт	1,140 л.с.
Weight	15.7 metric t	34,613 lb
Gearbox	Helical; 14:1	Helical; 14:1
Continuous drilling torque	70,580 Nm	52,000 ft-lb
Speed at continuous torque when drilling	115 rpm	115 rpm
Maximum speed	230 rpm	230 rpm
Maximum make-up/break-out torque	100,000 Nm	73,760 ft-lb
Static braking torque	105,000 Nm	77,444 ft-lb
Main shaft inner diameter	76.2 mm	3"
Operating pressure	517 bar	7,500 PSI
Minimum outer diameter of tool joints	63.5 mm	2-1/2"
Maximum outer diameter of tool joints	216 mm	8-1/2"
Connection type of IBOP	NC 61	NC 61
Cooling system	Air	Air
Hydraulic station	Integrated into the drilling unit	Integrated into the drilling unit
Elevator links compatibility	250, 350, 500 t	250, 350, 500 t
Temperature Range. Minimum.	-45°C	-49°F
Temperature Range. Maximum.	+55°C	+131°F
Dimensions (W x L)	1.66 м x 1.55 m	65.4" x 61.2"

