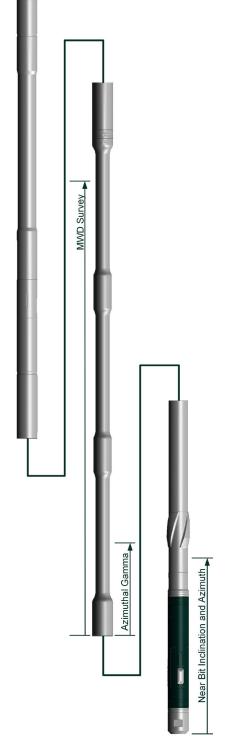


AutoTrak Curve Pro

High build up rate rotary steerable system

6¾ in.	171.45 mm
8¾ to 9¼ in.	212.8 to 250.8 mm
15°/100 ft	15°/30 m
7 in.	178.00 mm
79/16 in.	192.09 mm
37.8 ft	11.5 m
3,090 lb	1,400 kg
3.35 ft	1.02 m
Drilling fluid driven alternator	
NC50 Box	
4½-in. API Reg. Box	
6%-in API Reg. Box	
	8% to 9% in. 15°/100 ft 7 in. 79/16 in. 37.8 ft 3,090 lb 3.35 ft Drilling fluid of NC

up to	4 bps	
300-750 gpm	1,135-2,840 lpm	
15,500 ft-lb	21 kNm	
As per HFTO job modeling and bit		
design.		
23,500 ft-lb	32 kNm	
764,000 lb	3,400 kN	
leg		
15°/100 ft	15°/30 m	
30°/100 ft	30°/30 m	
400 rpm		
±50 max. deviation from mean rpm		
(e.g. 100 rpm: rpm range=50-150),		
limited by maximum tool rotation		
specification		
150°C	302°F	
1,380 bar	20,000 psi	
No limitation		
1% max. volume, according to API 13B		
(<0.5% recommended)		
50 ppb (143 kg/m³) medium nut plug,		
cedar fiber (Any pumping of LCM		
must be carried out according to		
AutoTrak Curve operations manual)		
Refer to Supplemental Technical		
Specification TDS	S-20-60-0000-00	
	300–750 gpm 15,500 ft-lb As per HFTO job des 23,500 ft-lb 764,000 lb leg 15°/100 ft 30°/100 ft 400 ±50 max. deviatio (e.g. 100 rpm: rpr limited by maxin specif 150°C 1,380 bar No lim 1% max. volume, a (<0.5% reco	



AutoTrak Curve Pro

Sensor Specifications			
Trajectory Control System			
Near bit inclination			
Sensor type	Tri-axial accelerometer		
Range	0°-180°		
Accuracy	0°-30° ±1.0°		
Diskara sa ka laik	30°-90		
Distance to bit	5.9 ft	1.8 m	
Near bit azimuth	Tui maint manatanan		
Sensor type	Tri-axial accelerometer and biaxial		
D	magnetometer		
Range	280°-80°		
Distance to bit	100°-		
Distance to bit	5.9 ft	1.8 m	
Azimuthal gamma ray	NI-II	PH - 12 - 1	
Sensor type	Nal scintillation		
Range	0-500 API		
Accuracy	±5 API @ 100 API and 60 ft/hr		
Azimuthal measurement	4 sec		
Vertical resolution	6 in.	15.3 cm	
Directional survey			
Sensor type	Triaxial accelerometer and		
	magnet	ometer	
Range			
Inclination	0°-1		
Azimuth	0°-3	60°	
Accuracy ¹			
Inclination	±0.		
Azimuth	±1.0		
Dynamics — Steering Unit			
Steering Unit measurements	Axial, lateral, a	nd tangential	
	vibration, RPM, st	ick-slip severity	
Range			
Vibration	0–50 g-rms, [OC 0-460 Hz	
RPM	-200 to +1,000 rpn	n ±1.0% accuracy	
Realtime options	vibrations in g-rm	s, downhole RPM,	
	stick-slip	severity	
Memory options	min., max., averag	e vibrations in g-	
	rms and as severity	levels; min., max	
	average RPM, s	stick-slip, and	
	backward rotatio	n severity levels	

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Dynamics – MWD	
MWD measurements	Axial and lateral vibration
Range	
Vibration	0–25 g-rms, DC 0–120 Hz
RPM	-200 to +1,000 rpm ±1.0% accuracy
Memory options	min., max., average vibrations in g-
	rms and as severity levels

- Sensor accuracy is only one contributor to all-up directional survey accuracy. The Baker Hughes position uncertainty model provides the definitive quantification of system accuracy in all applications and operating environment.

 Only one drilling fluid turbine configuration is used for the whole flow range.
- $^{\scriptscriptstyle 3}$ Minimum tool flow rate for downlink operation is 350 gpm (1,325 lpm).



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