

Downhole Tractor

Titan Division | Instruments

Overview

Well-sun’s downhole tractor is an electric motor powered tractor system consisting of a surface control panel and downhole tools which include a Tractor Control Cartridge (TCC), a Downhole Tractor Tool (DTT) and auxiliary tools.

The TracSIM software is provided to enable the user to determine in advance the specific tool configurations to control the operation risks. The conveyance process is monitored in real time so that the user knows where the tractor system and the passenger tool are moving. This increases the chances of success while lowering the operation costs.

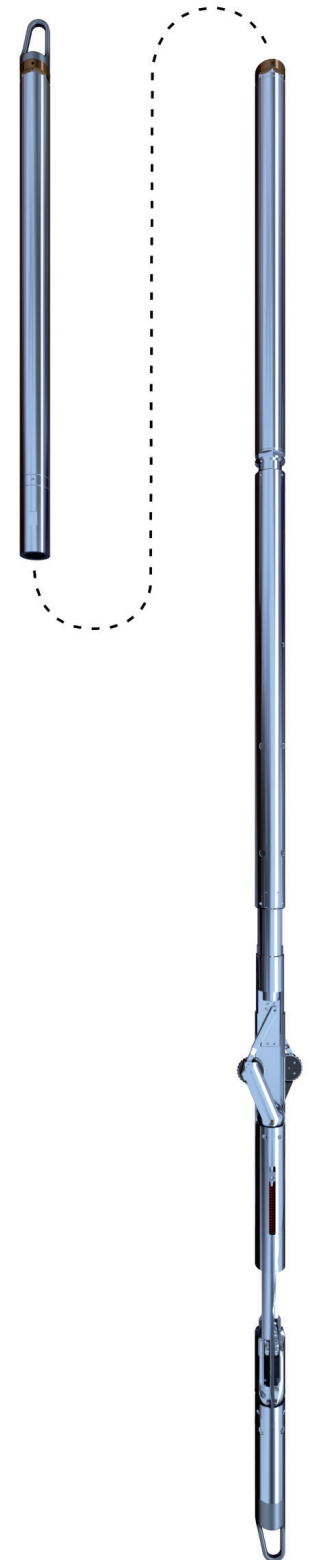
Application

The downhole tractor is used to convey tools in highly deviated and horizontal wells:

- Well logging tools
- Perforating tools
- Completion tools

Specifications

Model	DTT03: \varnothing 54mm (2 1/8") TCC03: \varnothing 54mm (2 1/8")	DTT06: \varnothing 73mm (2 7/8") TCC07: \varnothing 73mm (2 7/8")	DTT07: \varnothing 89mm (3 1/2") TCC09: \varnothing 85.8mm (3 3/8")
Power Supply	0-600VDC, mono-conductor	0-850VDC, mono-conductor	0-850VDC, multi-conductor
Max. Working Temperature	155°C (311°F)		
Max. Working Pressure	100MPa (14500Psi)		
Tool Length	DTT03: 3233.5mm (127.30") TCC03: 1260mm (49.61")	DTT06: 3851mm (151.61") TCC07: 1574mm (61.97")	DTT07: 4141mm (163.03") TCC09: 1631 (64.21")
Make-up Length	DTT03: 3133.5mm (123.37") TCC03: 1159mm (42.63")	DTT06: 3502mm (137.87") TCC07: 1212mm (47.72")	DTT07: 3702mm (145.75") TCC09: 1193mm (46.97")
Weight	DTT03: 34Kg (74.96lbs) TCC03: 7Kg (15.43lbs)	DTT06: 63Kg (138.89lbs) TCC07: 15Kg (33.07lbs)	DTT07: 79Kg (175lbs) TCC09: 22Kg (48lbs)
Applicable Casing ID	134.8mm (5.5")- 244.5mm(9 5/8")	177.8mm (7")- 244.5mm (9 5/8")	177.8mm (7")- 244.5mm (9 5/8")
Max. Tractoring Speed	10m/min 400Kg		
Max. Tractoring Force	300Kg	400Kg	
Working Voltage	<600VDC	<850VDC	
Working Current	≤1.5A	≤2.1A	
Threads	DTT03: Upper: WSDJ-1 51/64-10A Lower: WSDJ-GoB-1A TCC03: Upper: WSDJ-1 51/64-10A Lower: WSDJ-1 51/64-10A	DTT06: Upper: WSDJ-Tr66-28A Lower: WSDJ-Tr60-DA TCC07: Upper: WSDJ-Tr66-28A Lower: WSDJ-Tr66-10A	DTT07: Upper: WSDJ-37-28A Lower: WSDJ-2.875-10A TCC09: Upper: WSDJ-37-28A Lower: WSDJ-37-28A



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