



King Oil Tools
5808 Sooner Trend
Enid, OK 73701

T685WS-P ROTADRILL-SCHRAMM SPECIFICATIONS

T685WS PTO, Basic Rig 8x4

OA length - transport with 25 ft drill pipe: 40 ft 3 in (12.26 m)
OA length - transport: 39 ft 6 in (12.04 m)
OA width: 8 ft (2.438 m)
OA height - transport: 12 ft 1 in (3.68 m)
OA height - transport w/ Lazy Susan: 13 ft 6 in (4.11 m)
OA height - mast up: 38 ft 6 in (11.73 m)
Weight - less drill pipe: 57,000 lb (25,855 kg)
Weight - less truck: 39,500 lb (17,917 kg)

Hydraulic System

Hydraulic Tank Capacity: 100 gal (378.5 l)
Hydraulic System Capacity: 160 gal (606 l)
Oil Filters: (4) in-tank 7 micron with condition indicator.
Hydraulic Tank Pressure: 5 psi relief valve regulated.
Main Piston Pumps: Parker
Auxiliary Gear Pumps: Commercial Intertech

Rear Outrigger: (2) 5" Bore x 3-1/4" Rod x 41" Stroke (127 mm x 82.5 mm x 1,041 mm)
Mast Tilt: (2) 5" Bore x 2-1/2" Rod x 37" Stroke (127 mm x 63.5 mm x 940 mm)
Hydraulic Oil Cooler
Toolbox: Capacity - 9 cu ft (.25 cu m)
Electrical System: batteries provide 12V DC power.

Mast Lights: (3) 60-Watt Floodlight
Control Panel: (2) Floodlights
Work Area: (1) 70-Watt Halogen Floodlight, (2) 70-Watt Halogen Spotlight
3,000PSI Fluid Line, Plumbing 38'
Air/Mud Fluid Lines - 3" Schedule 160 piping

Mast 38' 74,000 lb

ASTM A500 Grade B Steel tube
Overall Length: 44'8" (13.6 m)
Overall Width: 42-1/4" (1,073 mm)
Overall Depth: 27-1/2" (699 mm)
Top Head Travel: 38' (11.58 m)
Std. Drill Pipe Length: 25' (7.6 m) up to Range II
Dynamic Load Rating: 100,000 lb (45,353 kg)

Feed System

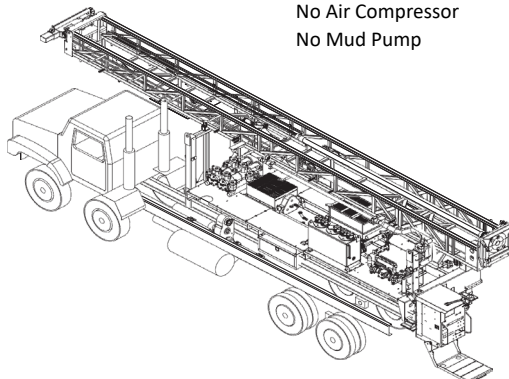
Feed Cylinder: (2) 5.5" Bore x 2 3/4" Rod x 228" Stroke (140 mm x 70 mm x 5,791 mm)
Hoist Capacity: 74,700 lb (33,884 kg)
Hoist Speed-Slow Feed: 12.8 fpm (3.9 mpm)
Hoist Speed-Rapid Feed: 140 fpm (42.68 mpm)
Hoist Speed-Rapid & Slow: 152.8 fpm (46.6 mpm)
Upper Chain: (2) 200H 2-1/2" pitch (63.5 mm)
Chain Capacity (per strand): 125,600 lb Avg Ultimate Strength (57,090 kg)
Pulldown Capacity: 35,000 lb (15,876 kg)
Pulldown Speed-Slow Feed: 9.5 fpm (2.9 mpm)
Pulldown Speed-Rapid Feed: 104 fpm (32.3 mpm)
Pulldown Speed-Rapid & Slow: 113.5 fpm (34.6 mpm)
Lower Chain: (2) ANSI 160H - 2" pitch (50.8 mm)
Chain Capacity (per strand): 71,600 lb Avg Ultimate Strength (32,478 kg)
Mast Ladder, 38'
Mini Lube System
Slow Feed Drill-Up Valve
Control Panel, Pivoting
Top head High Cap 2 Motor 5"
Spindle Thru Hole: 5.25" ID (133.3 mm)
Output Thread: 5-1/2 API Internal Flush Box

External Top Head Swivel 5JW

Manufacturer: Western Rubber
Model: 5JW
Watercourse: 3"
Working Pressure: 2,500 psi

Dual Motors, 20.6 cu in

Motor Displacement: 20.6 cu. in/rev (.34 l/rev)
Rotation Horsepower: 269 hp (201 kw)
Maximum Torque: 75,400 in-lb (8,519 N-m) @ 0 - 205 rpm
Maximum RPM: 0 - 205, Infinitely Variable
Hydraulic Table-one set of slips for 4-5/8" coring pipe and has a 20" (508 mm) diameter opening with all slips removed
No Air Compressor
No Mud Pump





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ROTADRILL-SCHRAMM

SPECIFICATIONS

Install PTO Drive

PTO: Fabco PTO-170-23 transfer case
PTO Max Torque: 10,000 ft-lb (13,559 N-m)
PTO Ratio: 1.00
Install PTO Drive

Outriggers, Dual Front Outboard

Front Outrigger: (2) 4" Bore x 2" Rod x 41" Stroke (102 mm x 50.8 mm x 1041 mm)
Outrigger, Single Front (1) 4" Bore x 2" Rod x 26" Stroke (102 mm x 50.8 mm)

Jib Boom, Hydr Swing & Extend

Capacity: 15,000 lb. (6,803 kg) retracted, 5,000 lb. (2,268 kg) extended

Adj Height Petrol Wrench

DA4174-C12 Drill Pipe Tong w/ Clevis End
151-45-11D Chain Assy. (fits 4-1/2 TO 5-3/8 dia.)

Pipe Handling Controls, Standard

Winch, 15,000 lb (150'x5/8")

Model: Braden PD15B
Wire Rope Supplied: 150' (46 m) of 5/8" (15.9 mm) Dyform-18 HSLR (Rated 45,400#) Cable
Drum Capacity: 300' (103 m) of 5/8" (16 mm) Cable
Bare Drum Pull: 15,000 lb (6,803 kg)
Bare Drum Speed: 194 fpm (59 mpm)
150' Drum Pull: 13,500 lb (6,122 kg)
150' Drum Speed: 217 fpm (66 mpm)

Winch, Survey Line

Model: Pullmaster M8
Cable Supplied: 3,000 ft (914 m) of .125" survey line

No Pipe Rack

Cold Weather Hydraulic Oil

Petro Canada Hydrex XV All Season Hydraulic Oil

Control Panel Lockouts

D.O.T. Clearance Lights-Mast

Deka Newton Gauges

Display Range: 0 - 50,000 deka Newtons

Extra Valve Sect Motor Spring

Nominal 15 gpm flow capacity, motor spool & spring return to neutral.

Extra Valve Section Cylinder Det

Nominal 15 gpm flow capacity, cylinder spool & detented.

Extra Valve Section Cylinder Spring

Nominal 15 gpm flow capacity, cylinder spool & spring return to neutral.

Fire Extinguishers, Two (2)

Independent Hydraulic Circuit

Pressure Side Hyd Filter Sys

Rotation Torque Gauge

Paint Rig Encore Blue

Endura CLR 24729 Blue

Paint Mast Encore Red & White

Endura CLR 1943 Red
Endura CLR 125 HH White
Safety Yellow

Setup 4-5/8 Coring Rods