

6010 TURBO

Horizontal Directional Drill



PERFORMANCE

Thrust/pullback 11,500 lb
(5209 kg)
Spindle rotational torque.. 1,500 lb·ft
(2032 N·m)
Spindle speeds..... Single
Spindle speed 0 - 170 rpm
Drill thrust speed 0 - 126 fpm
(0 - 38 mpm)
Launch angle 10° to 20°
Ground speed
Forward 1.8 mph (2.9 km/hr)
Reverse 1.7 mph (2.7 km/hr)

ENGINE

Model..... Kubota V2003TE
Type..... Turbocharged
Horsepower –
Gross..... 59.7 hp (44.5 kW)
Net 56 hp (41.8 kW)
Rated rpm..... 2800
Displacement..... 122 in³ (2 L)

HYDRAULICS

Thrust/pullback and rotation:
Tandem hydrostats
All other hydraulic functions:
Open center system
Hydraulic system test ports
w/quick couplers 3
Thrust/pullback
..... 0 - 30 gpm (114 Lpm)
maximum pressure - 3045 psi
Rotation flow rate
..... 0 - 30 gpm (0 - 114 Lpm)
maximum pressure - 3625 psi
Auxiliary flow rate
..... 0 - 20 gpm (0 - 79 Lpm)
maximum pressure - 3000 psi

SERVICE CAPACITIES

Fuel tank..... 24.5 gal (92.6 L)
Hydraulic tank 21.5 gal (81.3 L)
Engine oil 9 qt (8.5 L)

ELECTRICAL SYSTEM

System voltage..... 12 volts
Battery CCA..... 610 amps

DIMENSIONS

Overall length 213.3" (5.42 m)
Overall width..... 48.0" (1.22 m)
Transport height 65.1" (1.65 m)
Drill pipe –
Diameter 1.9" (48 mm)
Joint diameter 2.25" (57 mm)
Length..... 10' (3.0 m)
Weight 49 lb (22 kg)

Diameter 2.06" (52 mm)
Joint diameter 2.25" (57 mm)
Length..... 10' (3 m)
Weight 67 lb (30 kg)

ON-BOARD FLUID

SYSTEMS

Option 1 (no pump)
Flow rate N/A
Pressure N/A
Option 2
Flow rate..... 0-13 gpm
Pressure..... 1500 psi
Option 3
Flow rate..... 0-20 gpm
Pressure..... 1000 psi

OPERATING WEIGHT

Empty..... 6,418 lb (2,910 kg)
Fully loaded (1.9" drill pipe).....
8,208 lb (3,722 kg)
Fully loaded (2.06" drill pipe).....
8,748 lb (3,967 kg)
Ground psi/empty 5.6 psi
(38.6 kPa)
Ground psi/fully loaded ... 7.2 lb psi
(49.6 kPa)

STANDARD EQUIPMENT

DRILLING FLUID SYSTEMS

Optional, see Accessories
spec sheet

OPERATOR'S COMPARTMENT

Adjustable vinyl seat with slide

forward/rearward
Pivoting operator's platform

STANDARD EQUIPMENT

(CONT D)

Seat interlock system
Drill drive position indicator
Instrument panel
Gauges
Thrust/pullback
Rotation
Drilling fluid
Engine hourmeter
Fuel gauge
Indicator lamps
Engine temperature
Engine oil pressure
Alternator
Air filter
Emergency stop
Charge pressure filter
Hydraulic fluid temperature
Hydraulic oil filter
Electric strike alert
Audible alarm
Senses voltage and power
Test and reset switch
Accessories
Engine glow plugs
(2) Auxiliary power outlets
Key switch shut-off

POWERTRAIN

Rubber tracks
Planetary final drives
Hydraulic track tensioner
4-Point tie down loops on
undercarriage

OPERATIONAL CONNECTIONS

Drilling fluid supply
Fresh water supply

AUTO-LOADER SYSTEM

Interchangeable cartridges
300' (91.4 m) drill pipe capacity

STANDARD EQUIPMENT (CONT'D)

OTHER

Power breakout wrench
Dielectric boots and gloves
Grounding rod
Work lamp
Rotating beacon lamp
Tilt-up hood

CONTROLS

Left console controls
Rotating beacon lamp on/off
Work lamp on/off
Drill fluid on/off
Upper wrench
Lower wrench
Left handle controls
Drill thrust/pullback
Right console controls:
Pipe loader extend/retract
Pipe loader up/down

Emergency stop
Right handle controls
Drill drive clockwise
Drill drive counterclockwise
Operator station controls
Left stakedown up/down
Right stakedown up/down
Drill fluid flow control
Throttle control
Throttle lock
Rear panel controls
Auxiliary hydraulics
Left rear stabilizer up/down
Right rear stabilizer up/down
Boom tilt
Left track drive
Right track drive
Work lamp on/off
Emergency stop

STABILIZERS

Front stakedown system
Automatic twin stakedown system
with 24" (610 mm) stakes

Cast auger tip with smooth shaft
Optional equipment:
Full shaft auger flighting
18" (457 mm) stake extensions
Optional equipment (cont'd)
Extension plates
Hydraulic stake driver (for
stakedown extensions)
Rubber pad
Rear stabilizers
Two independent stabilizers
Hydraulic locks
Optional feet available:
Spade feet
Rubber pad feet
Stakedown extension feet

DRILL PIPE

Optional, see Accessories spec
sheet, includes toolbox with
spare parts

OPTIONAL EQUIPMENT

40 gal (151.4 L) on-board drilling fluid tank with pressure washer	4 gal (15.1 L) antifreeze reservoir
High intensity work lamps	Vandalism protection package
	Umbrella

FLEXIBLE PROTECTION PLAN*

Powertrain
Expanded Powertrain

*North America Only

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

Form No. CE 243-09-00
Replaces Form No. CE 243-09-99

IMPORTANT: Case Corporation reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Case Corporation does not warrant the safety or reliability of attachments from other manufacturers.

© 2000 CASE CORPORATION. All Rights Reserved.
Case is a registered trademark of Case Corporation.



Visit Case Corporation on the Web at:
<http://www.casece.com>
Printed in U.S.A.

6010 Page 2 of 2

CASE CONSTRUCTION EQUIPMENT CONTACT INFORMATION

NORTH AMERICA/MEXICO
700 STATE STREET
RACINE, WI 53404 U.S.A.