

G10

HORIZONTAL DIRECTIONAL DRILL

Expanded technical specifications | Manual rod loading



G10: MANUAL ROD LOADING | G10L: EQUIPPED WITH ROD LOADER

DRILLING PERFORMANCE

SPECIFICATION	U.S.	METRIC
Maximum thrust	11,240 lbf	50.0 kN
Maximum pullback	11,240 lbf	50.0 kN
Maximum spindle torque	1,659 lb-ft	2,249 N·m
Maximum spindle speed	250 rpm	250 rpm
Maximum carriage speed (no load)	226 ft/min	69 m/min
Drill entry angle	14-20°	14-20°
Maximum drilling length (condition-dependent)	328 ft	100 m
Maximum reaming diameter (condition-dependent)	15.75 in	400 mm

DRILLING FLUID & HYDRAULICS

SPECIFICATION	U.S.	METRIC
Maximum drilling fluid flow	20 US gpm	75.7 L/min
Maximum drilling fluid pressure	870 psi	6 MPa / 60 bar
Rated hydraulic system pressure	2,901 psi	20 MPa / 200 bar
Hydraulic reservoir volume	31.7 US gal	120 L
Diesel fuel tank volume	21.1 US gal	80 L

POWERTRAIN

ITEM	SPECIFICATION
Engine manufacturer / fuel	Yanmar / diesel
Engine model	4TNV98C-PLYS
Engine output	59 hp

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Machine, drill pipe and operating systems



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DIMENSIONS & MOBILITY

SPECIFICATION	U.S.	METRIC
Overall length	175.20 in	4,450 mm
Overall width	59.06 in	1,500 mm
Overall height	62.60 in	1,590 mm
Machine mass	9,766 lb	4,430 kg
Travel speed range	1.5-2.8 mph	2.4-4.5 km/h
Climbing ability	17.5°	17.5°

DRILL PIPE & ROD STORAGE

SPECIFICATION	U.S.	METRIC
Drill rod outside diameter	1.65 in	42 mm
Drill rod length	71.85 in	1,825 mm
G10 rod rack capacity	48 rods	48 rods
Rod loading - G10	Manual load	Manual load
Rod Loading - G10L	Auto Load	Auto Load

OPERATING SYSTEMS

SYSTEM	FEATURES / CONFIGURATION
Drilling controls	Dual joysticks; automatic drilling with adjustable thrust and torque pressure cutoffs.
Rod handling & clamps	G10: manual load. G10L: rod loader. Thread lubrication and front/rear clamps.
Fluid controls	Adjustable mud flow, maximum-flow command, and flow/pressure display.
Setup & travel	Hydraulic anchors; mast-angle adjustment; rear support; wired travel control box.
Operator protection	Strike alert/anti-shock system; remote rotation lockout; emergency stops.