

G20

HORIZONTAL DIRECTIONAL DRILL

Expanded technical specifications | Automatic rod loading



G20 | AUTOMATIC ROD LOADING | 48-ROD ONBOARD RACK

DRILLING PERFORMANCE

SPECIFICATION	U.S.	METRIC
Maximum thrust	20,233 lbf	90.0 kN
Maximum pullback	20,233 lbf	90.0 kN
Maximum spindle torque	2,176 lb-ft	2,950 N·m
Maximum spindle speed	223 rpm	223 rpm
Carriage push/pull speed	200 ft/min	60.96 m/min
Maximum drill entry angle	20°	20°
Suggested crossing length (condition-dependent)	Up to 450 ft	Up to 137.2 m
Suggested reaming diameter (condition-dependent)	Up to 15.74 in	Up to 400 mm

DRILLING FLUID & HYDRAULICS

SPECIFICATION	U.S.	METRIC
Maximum drilling fluid flow	25 US gpm	94.6 L/min
Maximum drilling fluid pressure	1,080 psi	74.5 bar
Rated hydraulic system pressure	2,901 psi	20 MPa / 200 bar
Hydraulic reservoir volume	42.3 US gal	160 L
Diesel fuel tank volume	21.1 US gal	80 L

POWERTRAIN

ITEM	SPECIFICATION
Engine manufacturer	Yanmar
Fuel	Diesel
Engine output	72 hp / 53.7 kW

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Machine, drill pipe and operating systems



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DIMENSIONS & MOBILITY

SPECIFICATION	U.S.	METRIC
Overall length	166.14 in	4,220 mm
Overall width	57.48 in	1,460 mm
Overall height	62.59 in	1,590 mm
Machine mass	8,998 lb	4,081 kg
Travel speed - low / high	1.18 / 1.99 mph	1.9 / 3.2 km/h

DRILL PIPE & ROD STORAGE

SPECIFICATION	U.S.	METRIC
Drill rod outside diameter	2.06 in	52.3 mm
Drill rod length	120 in	3,048 mm
Rod rack capacity	48 rods	48 rods
Rod Loading - G20	Auto Load	Auto Load

OPERATING SYSTEMS

SYSTEM	FEATURES / CONFIGURATION
Drilling controls	Dual joysticks; automatic drilling with adjustable push/pull and rotary pressure cutoffs.
Rod handling & clamps	Automatic rod loader arms; push-button thread lubrication; front and rear clamps.
Construction & operator station	Steel hood; adjustable seat and armrests; work lights; auxiliary port.
Fluid system	Adjustable mud flow; one-button maximum-flow command; flow/pressure display; shut-off valves; antifreeze tank.
Setup & travel	Hydraulic automatic anchors; mast-angle adjustment; rear outrigger; wired travel control box.
Operator protection	Strike alert; seat sensor; wireless remote hydraulic lockout; emergency stops.
Display & diagnostics	Spindle speed and torque; push/pull force and speed; engine and hydraulic temperatures; fault information.