

G30

HORIZONTAL DIRECTIONAL DRILL

Expanded technical specifications | Automatic rod loading



G30 | AUTOMATIC ROD LOADING | ROTATING CAB

DRILLING PERFORMANCE

SPECIFICATION	U.S.	METRIC
Maximum thrust	29,380 lbf	130.7 kN
Maximum pullback	29,380 lbf	130.7 kN
Maximum spindle torque	4,052 lb-ft	5,494 N·m
Maximum spindle speed	234 rpm	234 rpm
Carriage push/pull speed	209 ft/min	63.7 m/min
Maximum drill entry angle	20°	20°
Suggested crossing length (condition-dependent)	Up to 656 ft	Up to 200 m
Suggested reaming diameter (condition-dependent)	Up to 27.56 in	Up to 700 mm

DRILLING FLUID & HYDRAULICS

SPECIFICATION	U.S.	METRIC
Onboard mud pump flow - standard	80 US gpm	302.8 L/min
Onboard mud pump flow - S/N ending 1001-1004	52 US gpm	196.8 L/min
Maximum drilling fluid pressure	1,080 psi	74.5 bar
Rated hydraulic system pressure	4,351 psi	30 MPa / 300 bar
Hydraulic reservoir volume	52.8 US gal	200 L
Diesel fuel tank volume	47.6 US gal	180 L

POWERTRAIN

ITEM	SPECIFICATION
Engine manufacturer / fuel	Cummins / diesel
Engine output	147 hp / 109.6 kW
Rated engine speed	2,200 rpm

G30

HORIZONTAL DIRECTIONAL DRILL

Machine, drill pipe and operating systems



G30 | AUTOMATIC ROD LOADING | ROTATING CAB

DIMENSIONS & MOBILITY

SPECIFICATION	U.S.	METRIC
Overall length	227.55 in	5,780 mm
Overall width	84.25 in	2,140 mm
Overall height	93.70 in	2,380 mm
Machine mass	18,740 lb	8,500 kg
Travel speed range	1.85-3.14 mph	2.98-5.06 km/h

DRILL PIPE & ROD STORAGE

SPECIFICATION	U.S.	METRIC
Drill rod outside diameter	2.36 in	60 mm
Drill rod length	118.11 in	3,000 mm
Rod rack capacity	65 rods	65 rods
Rod Loading - G30	Auto Load	Auto Load

OPERATING SYSTEMS

SYSTEM	FEATURES / CONFIGURATION
Carriage system	Dual rack-and-pinion drive.
Drilling controls	Dual joysticks; automatic drilling; adjustable push/pull and rotary pressure settings; automatic swing function.
Rod handling	Automatic rod loader arms; thread lubrication; hydraulic clamps.
Cab & construction	Rotating cab; steel hood; air-conditioning controls; work lights and wipers.
Fluid system	Adjustable mud flow; one-button maximum-flow command; shut-off valves; antifreeze tank.
Setup & travel	Hydraulic automatic anchors; mast-angle adjustment; rear outriggers; wired travel control box.
Operator protection	Strike alert; seat sensor; wireless remote hydraulic lockout; emergency stops.