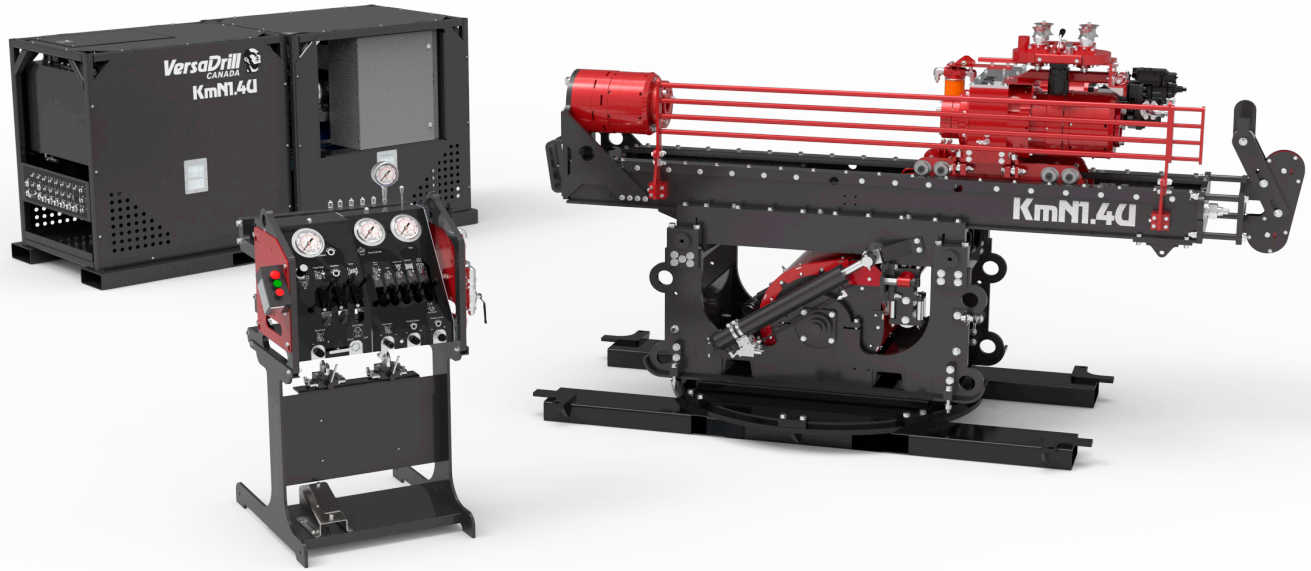


KmN 1.4u



SPECIFICATIONS

Rotary head and chuck	
Holding capacity	Option available at over 22 727 kg (50 000 lb)
Spindle interior dimension	124 mm (4.9 in)
Chuck operation	Spring closed and hydraulically opened
Final drive	HV-80-3 chain in an oil bath
Hydraulic Motor	160 cc variable
Transmission	Fairfield 2-speed, hydraulically shifted
Rotary Head Ratio	1:2.33
Lubrication	Pressurized pump, filter and cooler
Fabrication	Steel (aluminum optional)
Speed	0 to 1 250 rpm

FEATURES AND BENEFITS

- Save time and keep drilling from A to P rod with the same head.
- Quiet, no vibration and water resistant.

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Filtration

10-micron absolute filter on return line (2)

High-pressure filter (2)

Hydraulic module

Hydraulic pumps (2) 189 l/min (50 US gal/min) @ 1 800 rpm (max. 4 100 psi (283 bar))
129 l/min (34 US gal/min) @ 1 800 rpm (max. 4 000 psi (275 bar))

System drive Open loop, load-sensing circuit

Hydraulic pressurized reservoir 238 l (63 US gal)

Oil heat exchanger Air cooling (watercooler optional)

Drilling capacity

*Recommended size for maximum performance	*B 55,6 mm (2 3/16 po)	2 000 m (6 589 ft)
	*N 69,9 mm (2 3/4 po)	1 545 m (5 069 ft)
	*H 88,9 mm (3 1/2 po)	1 048 m (3 438 ft)
	P 117,5 mm (4 5/8 po)	693 m (2 272 ft)

Drilling capacity is calculated on a 90-degree down hole and will depend on in-hole tools, ground conditions, drilling techniques and equipment used. These values are given as guideline only.

Recommended electric engine: 125 hp (93 Kw) at 1 800 rpm

Feed frame

Feed stroke	1,68 m (5 ft 6 in)
Pull speed	45 m/min (149 ft/min)
Push speed	45 m/min (149 ft/min)
Pull capacity	12 045 kg (26 500 lb) @ 283 bar (4 100 psi)
Push capacity	12 045 kg (26 500 lb) @ 283 bar (4 100 psi)
Drilling angle	-90 to +90 degrees

2-Speed transmission

Speed	Ratio	rpm	Maximum Torque
LO	3.46:1	0-361	5 711 N-m (4 212 lb-ft) @ 149 rpm
HI	1:1	0-1 250	1 680 N-m (1 239 lb-ft) @ 506 rpm

Speed and torque based on a 160 cc hydraulic motor at 4 100 psi (283 bar)

Wireline hoist

Cable capacity 4.8 mm (3/16 in)	3 350 m (11 000 ft)
Empty pull capacity	1 450 kg (3 183 lb)
Full pull capacity	454 kg (1000 lb)

Variable speed as needed

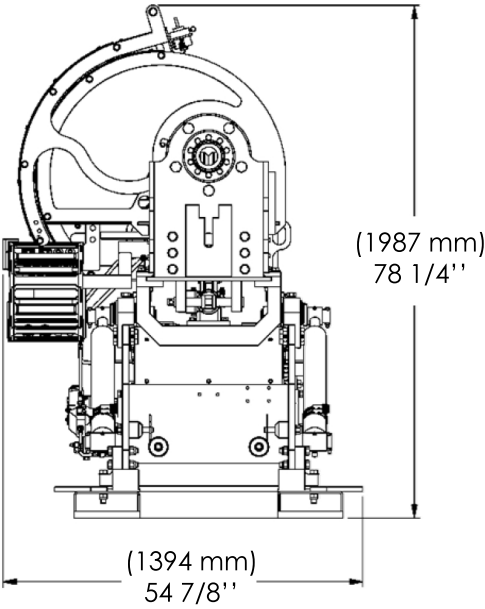
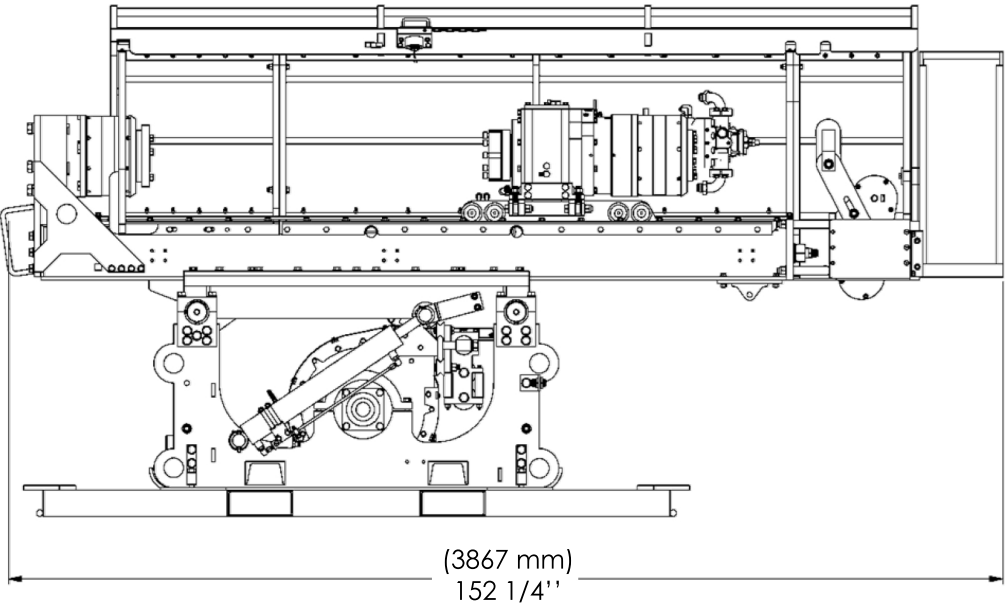
Options

4-speed transmission

Surface package with diesel engine

Mast extension with winch for surface drilling

DIMENSIONS



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