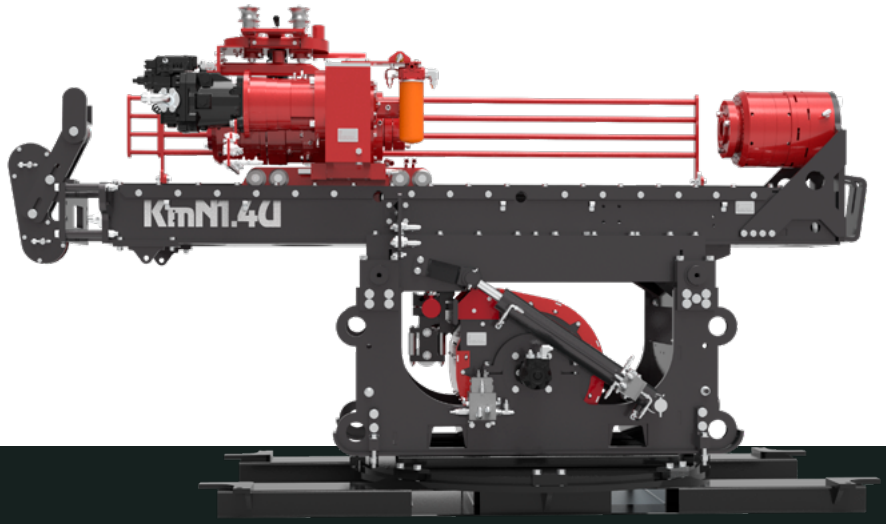
VersaDrill CANADA™

KmN1.4u

Get the most out of your underground application



SPECIFICATIONS

Rotary chuck and head	
Retention capacity	Option available in over 35,000 lb (15,875 kg)
Spindle interior dimension	4.9 in (124 mm)
Chuck operation	Spring closed and hydraulically opened
Final drive	HV-80-3 chain in an oil bath
Hydraulic motor	160 cc variable
Transmission	Several possible options
Rotary head ratio	1:2.33
Lubrication	Pressurized pump, filter, and cooler
Materials	Aluminum and steel (steel-only optional)
Speed	From 0 to 1,250 RPM
Weight	14,269 lb (6,474 kg)

FEATURES AND BENEFITS

- Costs 50% less than the competition
- Time savings when drilling from AWL to PWL with the same head
- Compatible with most drills
- Quiet, vibration-free, and water resistant

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UNDERGROUND DRILL

Filtration

10-micron absolute filter on return line (2)
High-pressure filter (2)
One strainer inside the hydraulic tank connected to the suction (2)

Hydraulic module

Floating N rotary head Torque limit on rotary head	
Hydraulic pumps (2)	246 L/min (65 gal/min) at 1,800 RPM (max. 4,000 psi [275 bar]) 136 L/min (36 gal/min) at 1,800 RPM (max. 4,000 psi [275 bar])
System transmission	Open-loop load-sensing circuit
Hydraulic pressurized tank	55 gal (208 L)
Oil heat exchanger	Water cooler (air cooler optional)

Weight

Electric power unit	2,150 lb (975 kg)
Diesel power unit	1,686 lb (766 kg)
Hydraulic pump and tank	2,634 pounds (1,195 kg)
Control panel	672 lb (305 kg)
Drill bit	954 lb (433 kg)
Drill bit hydraulic motor	70 lb (32 kg)
Drill bit transmission	85 lb (39 kg)
Rod support	452 lb (205 kg)
Feed frame	2,998 lb (1,360 kg)
Mast base	2,679 lb (1,215 kg)
Surface mast	1,541 lb (699 kg)
Wireline	575 lb (261 kg)
Hydraulic hoses	1,000 lb (454 kg)

Drilling capacity

*Recommended size for maximum performance	*B 2 3/16 in (55.6 mm)	6,230 ft (1,900 m)
	*N 2 3/4 in (69.9 mm)	4,600 ft (1,400 m)
	*H 3 1/2 in (88.9 mm)	2,625 ft (800 m)
	P 4 5/8 in (117.5 mm)	1,610 ft (500 m)

Drilling capacity

Drilling capacity is calculated on a 90 degree downhole and will depend on in-hole tools, ground conditions, drilling techniques, and equipment used.
Recommended electric motor: 125 CV (93 Kw) at 1,800 RPM Recommended diesel engine: 205 CV (152 Kw) at 2,100 RPM

Feed frame

Spindle stroke	5 ft 6 inches (1.68 m)
Raising speed	143 ft/min (43 m/min)
Lowering speed	143 ft/min (43 m/min)
Pull capacity	26,000 lb (11,800 kg) @ 4,000 psi
Push capacity	26,000 lb (11,800 kg) @ 4,000 psi
Angle (underground version)	From -90 to 90 degrees
Angle (surface version)	0 to -90 degrees

Surface mast

Pull speed	240 ft/min (73 m/min)
Lowering speed	380 ft/min (115 m/min)
Single line pull capacity	12,500 lb (5,670 kg) at 4,500 psi
Pull rod length	20 ft (6 m)

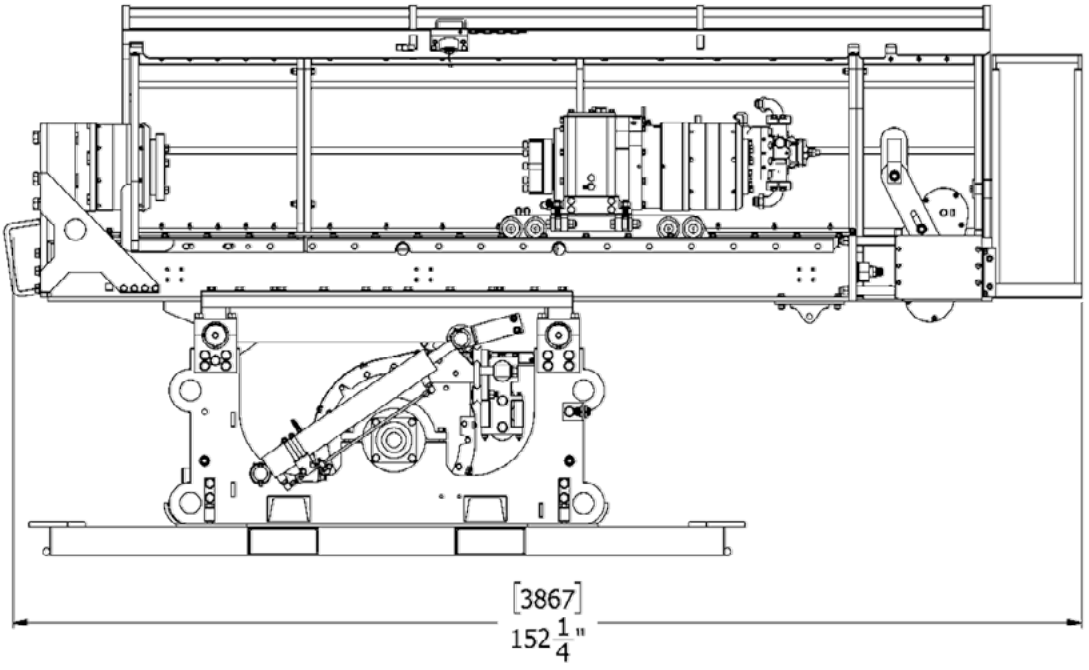
2-speed transmission

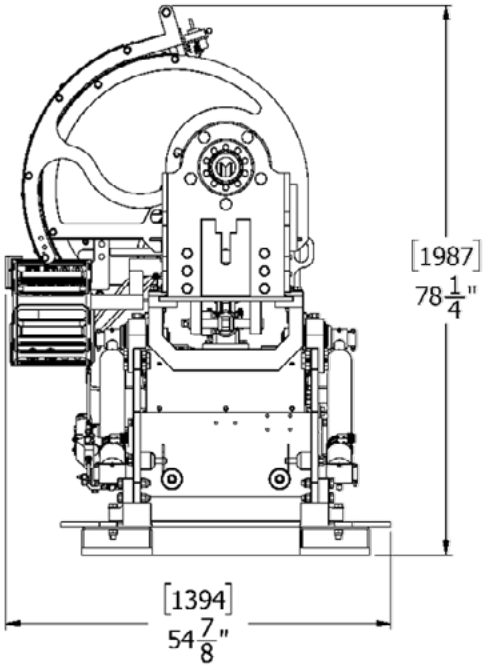
Speed	Ratio	RPM	Maximum torque
LO	3.46:1	0-361	4,196 lb•ft (5,689 N•m) at 361 RPM
HI	1:1	0–1,250	1,213 lb•ft (1,644 N•m) at 1,250 RPM
Speed and torque based on a 160 cc hydraulic motor at 4,000 psi (275 bar)			

Wireline hoist

Cable capacity (3/16 in - 4.8 mm)	6,890 ft (2,100 m)
Empty pull capacity	2,000 lb (907 kg)
Full pull capacity	295 kg (650 lb)
Variable speed as needed	

DIMENSIONS





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