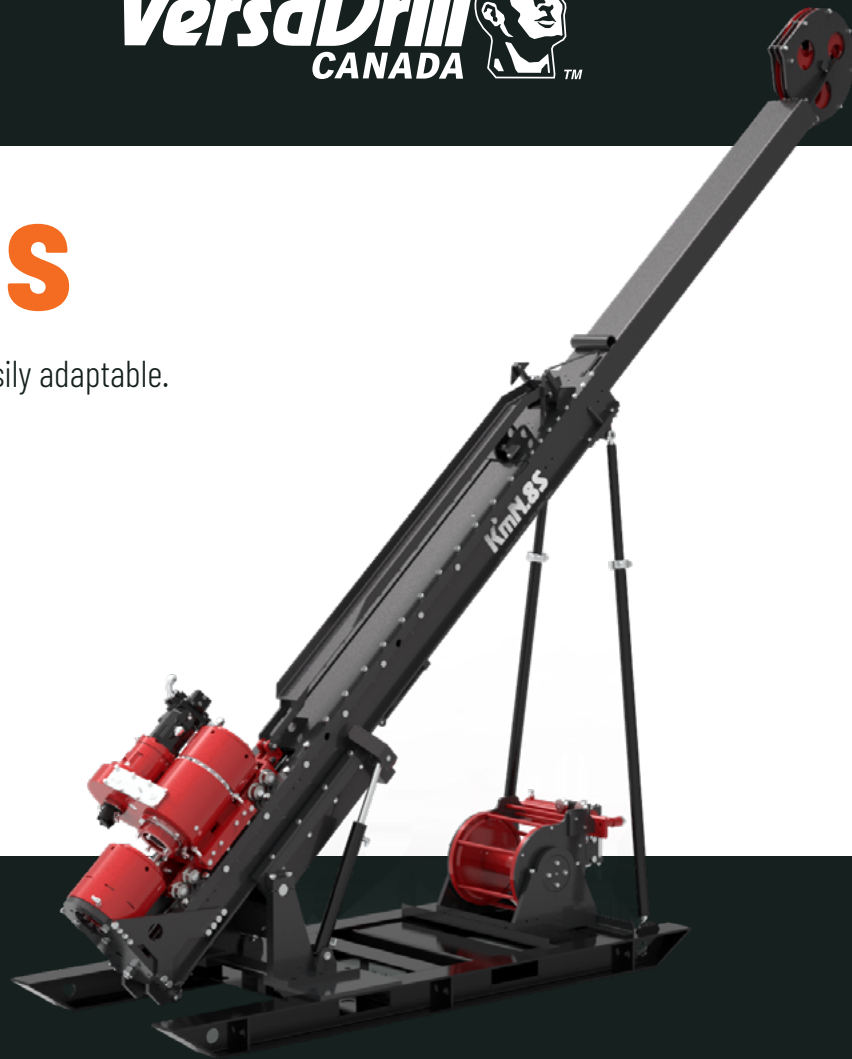


# KmN.8s

Its modular design makes it easily adaptable.



## SPECIFICATIONS

Rotary head and chuck	
Retention capacity	28,000 lb (12,700 kg)
Spindle interior dimension	4.9 in (124 mm) for PWL drill rod
Chuck operation	Spring closed and hydraulically opened
Final drive	HV 60-2 chain in an oil bath
Hydraulic motor	80 cc variable
Transmission	HI-LO 2-speed mechanical
Rotary head ratio	1:2
Lubrication	Pressurized by pump, filter, and cooler
Speed	From 0 to 1,300 RPM

## FEATURES AND BENEFITS

- Surface version (also available in underground version)
- Heliportable
- Made of steel (aluminum as an option).
- Drilling depth capacity: 800 m (2,625 ft) size N
- Total weight: 2,501.27 lb (10,660 kg)

# KmN.8s

## SURFACE DRILL RIG

### Filtering

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

### Hydraulic module

Floating rotary head - Torque limit on rotary head	
Hydraulic pumps (2)	188 L/min (47 gal/min) @ 1,800 RPM (max. 4,000 psi [275 bar]) 136 L/min (36 gal/min) @ 1,800 RPM (max. 4,000 psi [275 bar]) Open circuit, with load-detecting sensor
Hydraulic pressurized tank	55 gal (208 L)
Oil heat exchanger	Water cooler (air cooler optional)

### Weight

Diesel power unit	1,400 lb (635 kg)
Hydraulic pump and tank	1,550 lb (703 kg) wet
Control panel	672 lb (305 kg)
Drill head	628 lb (285 kg)
Drill head hydraulic motor	70 lb (32 kg)
Drill head transmission	85 lb (39 kg)
Rod support	254 lb (115 kg)
Feed frame assembly (extension and pulley included)	254 lb (115 kg) 1,545 lb (700 kg)
Mast base	500 lb (227 kg)
Wireline	460 lb (208 kg)
Hydraulic hoses	1000 lb (454 kg)

### Drilling capacity

*Recommended size for maximum performance	*B 2 3/16 in (55.6 mm)	3,600 ft (1,100 m)
	*N 2 3/4 in (69.9 mm)	2,625 ft (800 m)
	*H 3 1/2 in (88.9 mm)	1,310 ft (400 m)
	P 4 5/8 in (117.5 mm)	820 ft (250 m)

### Drilling capacity

Drilling capacity is calculated on a 90 degree down hole and will depend on in-hole tools, ground conditions, drilling techniques and equipment used.

Recommended diesel engine: 155 HP (112 kW) at 2,100 RPM

Recommended electric motor: 100 CV (75 kW) at 1,800 RPM

### Feed frame

Head stroke	6 in (1.83 m)
Raising speed	200 ft/min (61 m/min)
Lowering speed	200 ft/min (61 m/min)
Pull capacity	28,000 lb (12,700 kg) @ 4,000 psi
Push capacity	18,000 lb (8165 kg) @ 4,000 psi
Operating angle	from -8 to -90 degrees

### Surface mast

Pull speed	220 ft/min (67 m/min)
Lowering speed	370 ft/min (113 m/min)
Single line pull capacity	10,000 lb (4,500 kg) @ 4,000 psi
Pull rod length	20 ft (6 m)

### 2-speed transmission

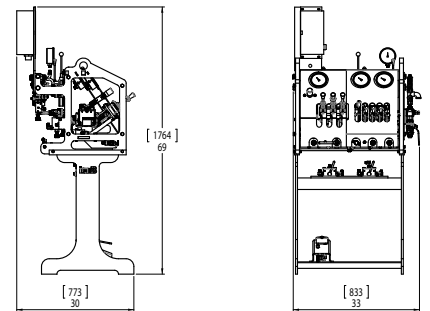
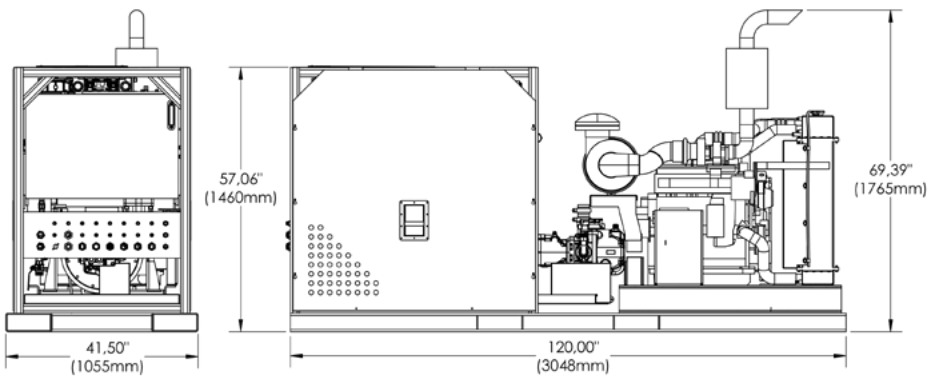
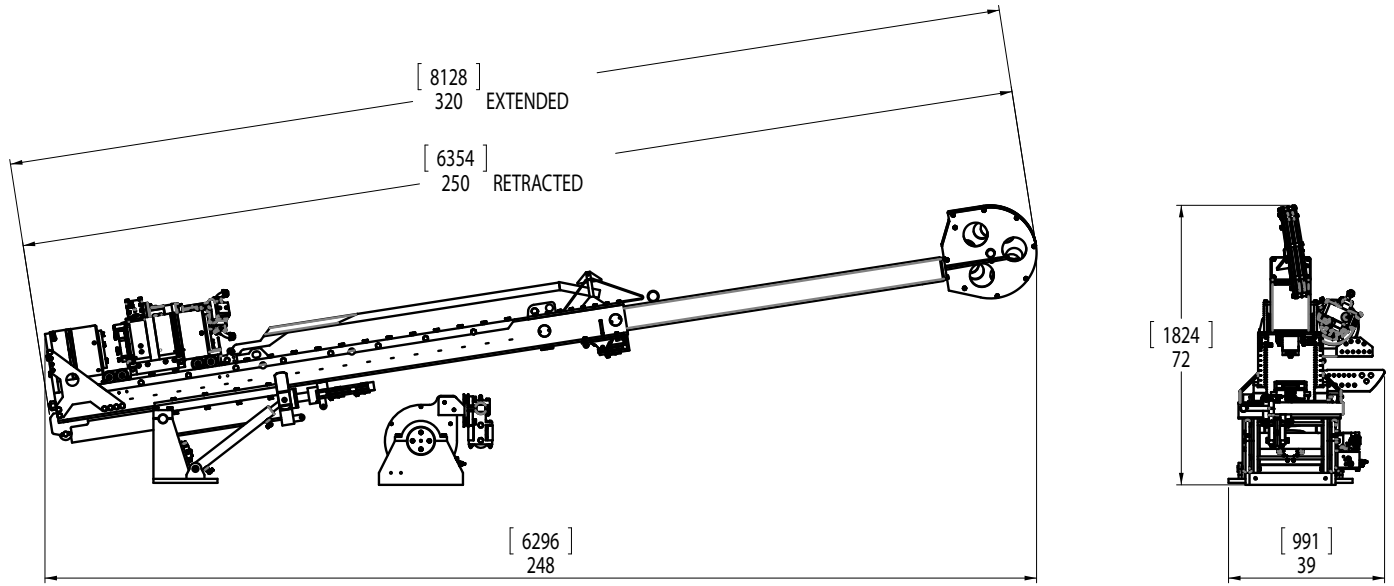
Speed	Ratio	RPM	Maximum torque
LO	3.46:1	0-361	2,098 lb•ft (2,840 N•m) @ 361 RPM
HI	1:1	0-1,300	606 lb•ft (820 N•m) @ 1,300 RPM

Speed and torque based on an 80 cc hydraulic motor at 4,000 psi (275 bar)

### Wireline hoist

Cable capacity (3/16 in - 4.8 mm)	3,000 ft (915 m)
Empty pull capacity	2,000 lb (907 kg)
Pull capacity under load	650 lb (295 kg)
Variable speed as needed	

# DIMENSIONS



**STRONGER AND STRONGER**



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