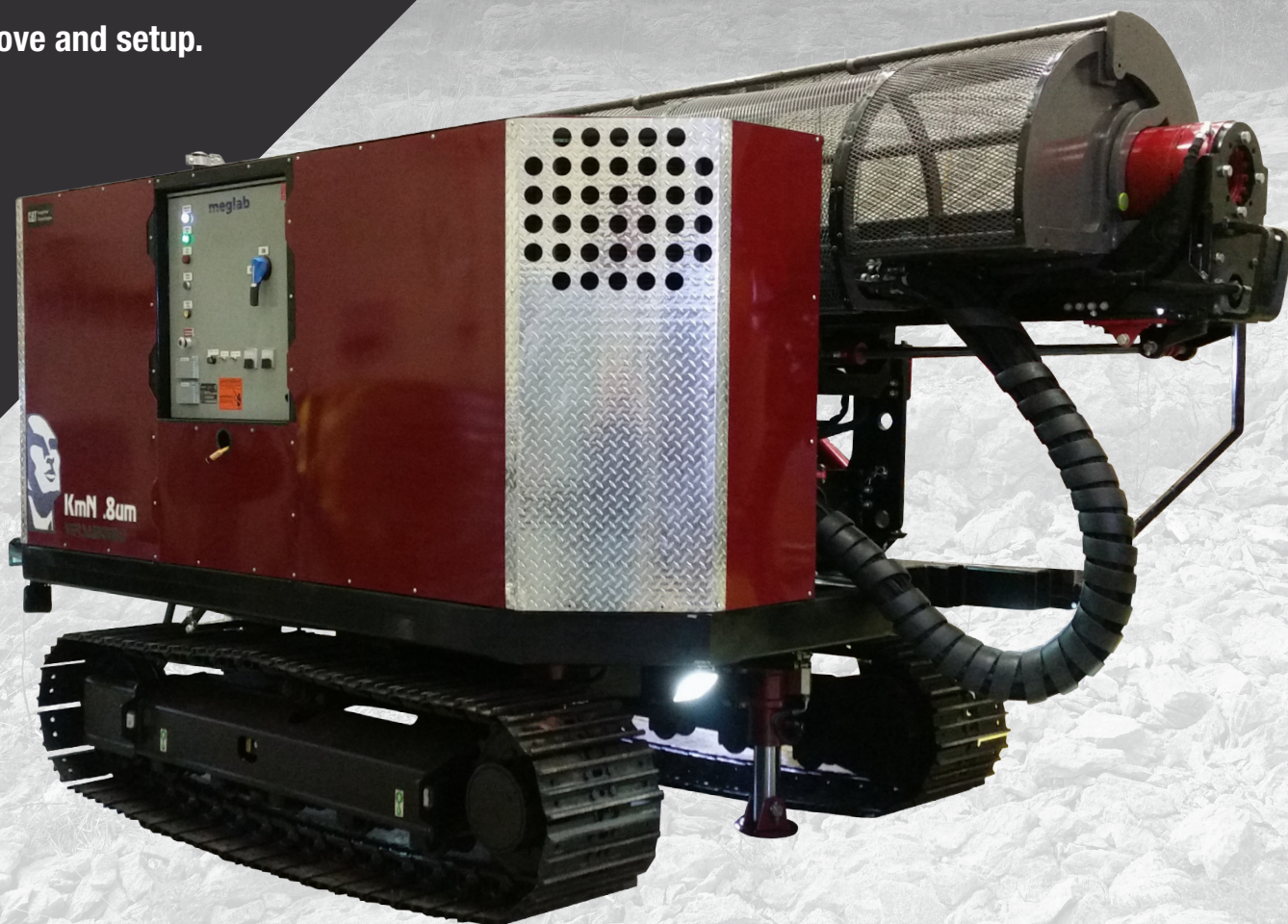


KmN.8UM

Quick move and setup.



SPECIFICATIONS

Rotary head and chuck

Holding capacity	28 000 lb (12 700 kg)
Spindle interior dimension	4.9" (124 mm) PWL 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 mechanic
Rotary Head Ratio	1:2
Lubrication	Pump pressurized, filter and cooler
Speed	0 to 1 300 RPM

FEATURES AND BENEFITS

- Design optimized for underground mining operation
- Diesel power unit for move and electric power unit for operation
- Depth capacity:
800 m (2 625 ft) N size
Available with KmN1.4U / 1400 m (4 600 ft)
- Total weight:
21 300 lb (9 660 kg)

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UNDERGROUND DRILL

Filtration

10 micron absolute filter on return line (1)
High pressure filter (3)

Hydraulic module

Floating rotary head Ñ Torque limit on rotary head	
Hydraulic pumps (2)	188 l/min (47 US gal/min) @ 1 800 RPM (max. 4 000 psi (275 bar) 136 l/min (36 US gal/min) @ 1 800 RPM (max. 4 000 psi (275 bar)
System drive	Open loop, Load-sensing circuit
Hydraulic variable reservoir	3,7 US gal (14 l)
Oil heat exchanger	Air cooling (Water cooler optional)

Weight

Frame and track w/power unit	15 700 lb (7 120 kg)
Drill unit: KmN .8U	5 600 lb (2 540 kg)
Drill unit: KmN 1.4U (optional)	8 450 lb (3 830 kg)

Drilling capacity

*Dimension recommended for maximum performance	*B 2 3/16" (55,6 mm)	3 600 ft (1 100 m)
	*N 2 3/4" (69,9 mm)	2 625 ft (800 m)
	*H 3 1/2" (88,9 mm)	1 310 ft (400 m)
	P 4 5/8" (117,5 mm)	820 ft (250 m)
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 electric engine: 125 HP (93 Kw) at 1 800 RPM		

Feed frame

Head stroke	5 ft 6 in (1,68 m)
Raising speed	200 ft/min (61 m/min)
Lowering speed	200 ft/min (61 m/min)
Pull capacity	18 000 lb (8 300 kg) @ 4 000 psi
Push capacity	18 000 lb (8 300 kg) @ 4 000 psi
Possible angle (Underground version)	-90 to 90 degrees
Drill rig platform	360° Longitudinal turntable Close platform radius: 14rt (4.3m) Open platform radius: 24rt (7.3m)

Surface mast

Pull speed	220 ft/min (67 m/min)
Speed of descent	370 ft/min (113 m/min)
Single line pull capacity	10 000 lb (4 500 kg) @ 4 000 psi
Rod pull length	10 ft (3 m)

2-Speed transmission

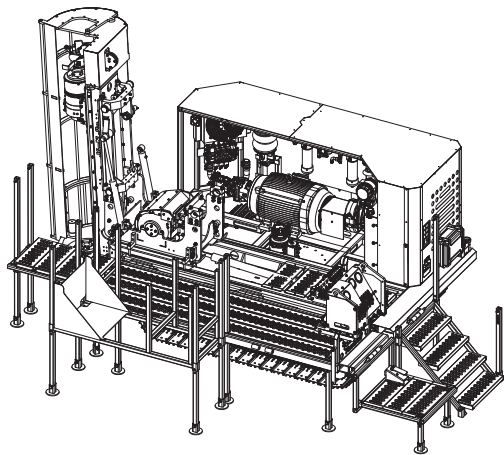
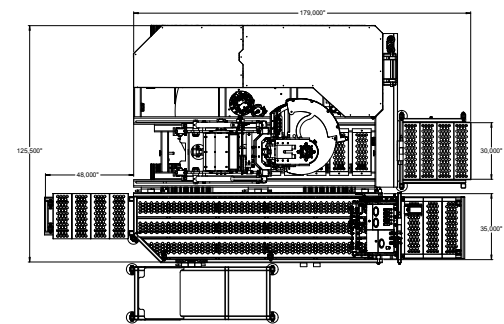
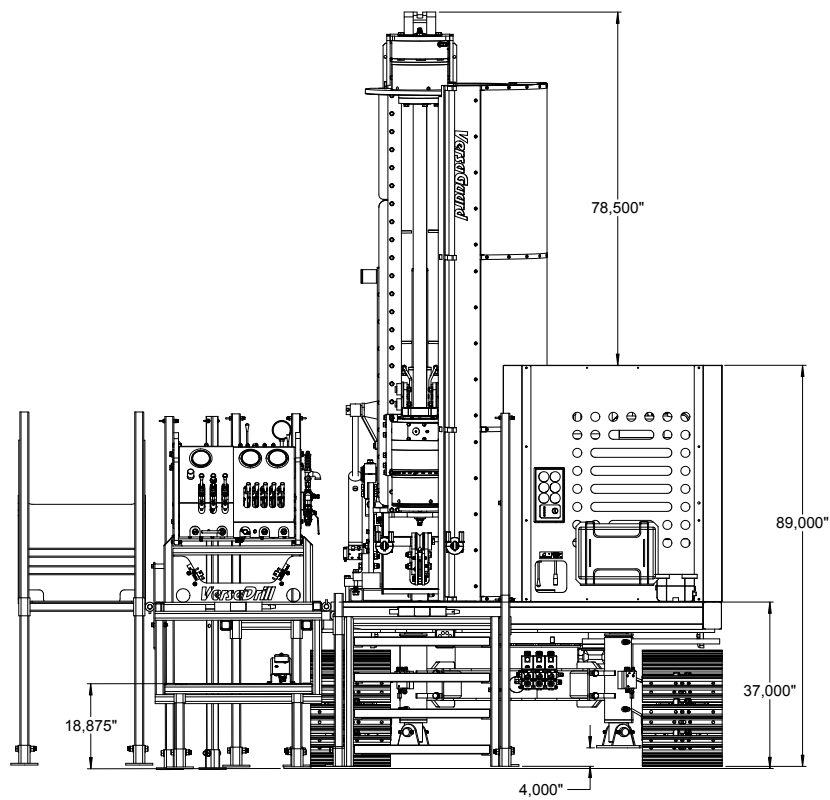
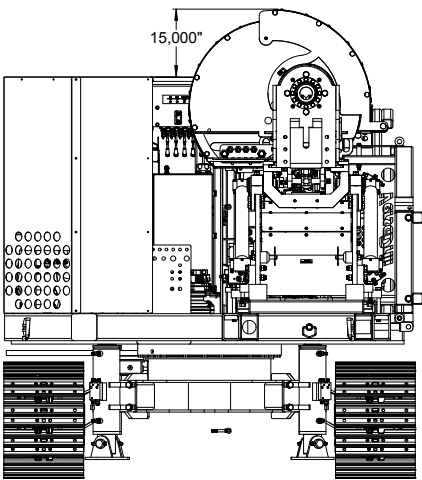
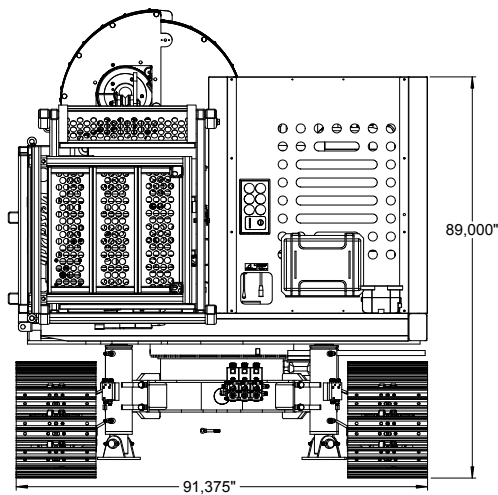
Speed	Ratio	RPM	Maximum Torque
LO	3.46:1	0-361	2 098 lb*ft (2 840 N*m) @ 361 RPM
HI	1:1	0-1 300	606 lb*ft (820 N*m) @ 1 300 RPM
Speed and torque based on a 80 cc hydraulic motor at 4 000 psi (275 bar)			

Wireline hoist

Cable capacity (3/16 in - 4.8 mm)	3 600 ft (1 100 m)
Empty Pull capacity	2 000 lb (907 kg)
Full Pull capacity	650 lb (295 kg)
Variable speed as needed	

KmN.8UM
UNDERGROUND DRILL

DIMENSIONS





Field experience, **Real** experience.



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