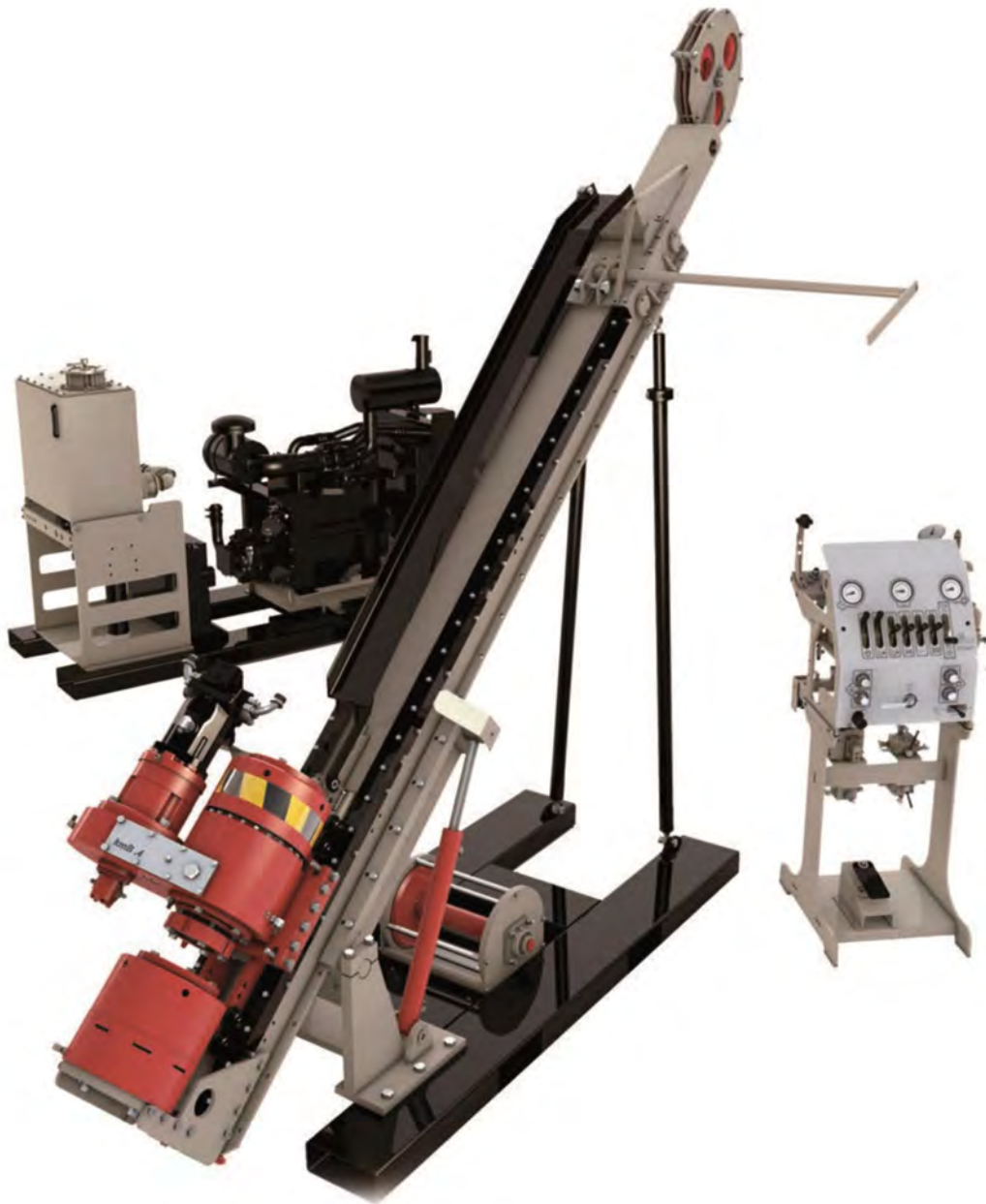


Field experience,  
Real experience



## *KmB.4s*



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SURFACE VERSION

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MADE OF STEEL

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TOTAL WEIGHT

5 354 lb (2 429 kg)

### Rotary head and rod holder

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 speeds
Rotary Head Ratio	1:2
Lubrication	Pump pressurized, filter and cooler
Speed	0 to 1300 RPM

### Filtration

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

### Hydraulic module

Floating rotary head Ñ Torque limit on rotary head

Hydraulic pump	65 US gal/min (246 l/min) @ 1 800 RPM (max 4 000 psi (275 bar)
System drive	Open loop, Load-sensing circuit
Hydraulic pressurized tank	34 US gal (128 l)
Oil heat exchanger	Water cooling (Air cooler optional)

### Weight

Diesel power unit	1 200 lb (545 kg)
Hydraulic pump and tank	584 lb (365 kg) dry   884 lb (400 kg) wet
Control panel	250 lb (113 kg)
Drill head	550 lb (249 kg)
Drill head hydraulic motor	70 lb (32 kg)
Drill head transmission	85 lb (39 kg)
Rod holder	254 lb (115 kg)
Feed frame (extension and pulley included)	715 lb (324 kg)
Mast base	446 lb (202 kg)
Wireline	100 lb (45 kg)
Hydraulic hoses	800 lb (363 kg)

### Drilling capacity

*Recommended size for maximum performance	*B 2 3/16" (55,6 mm)	1 300 ft (400 m)
	*N 2 3/4" (69,9 mm)	655 ft (200 m)
	H 3 1/2" (88,9 mm)	180 ft (55 m)
	H casing 4 1/2" (114,3 mm)	98 ft (30 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 diesel engine: 125 HP ( 126,75 Kw) at 2 000 RPM

### Feed frame

Head stroke	6 ft (1,83 m)
Raising speed	300 ft/min (91 m/min)
Lowering speed	300 ft/min (91 m/min)
Pull capacity	12 500 lb (5 670 kg) @ 4 000 psi
Push capacity	7 000 lb (3 175 kg) @ 4 000 psi
Possible angle	-8 to 90 degrees

### Surface mast

Pull speed	400 ft/min (121 m/min)
Speed of descent	780 ft/min (237 m/min)
Single line pull capacity	6 500 lb (2 950 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)	1 500 ft (457 m)
Empty Pull capacity	2 000 lb (907 kg)
Full Pull capacity	650 lb (295 kg)

Variable speed as needed



# KmB.4s

## DIMENSIONS

