

KmN.8h



SPECIFICATIONS

Rotary head and chuck	
Holding capacity	18 182 kg (40 000 lb)
Spindle interior dimension	124 mm (4,9 in)
Chuck operation	Spring closed and hydraulically opened
Final drive	HV 60-2 chain in an oil bath
Hydraulic motor	80 cc variable
Transmission	Fairfield 2-speed
Rotary head ratio	1:2
Lubrication	Pump pressurized, filter
Speed	0 to 1 300 rpm

FEATURES AND BENEFITS

- Design optimized for flight job
- Depth capacity:
822m (2697 ft) N size

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Hydraulic module

Hydraulic pump 1	162 l/min (43 US gal/min) @ 283 bar (4 100 psi)
Hydraulic pump 2	148 l/min (39 US gpm) @ 241 bar (3 500 psi)
Filtration	High pressure filter (2) 10 microns absolute filter on return line (2)
System drive	Open loop, Load-sensing circuit
Hydraulic reservoir	189 l (50 US gal)
Oil heat exchanger	Air cooling (water cooler optional)

Drilling capacity

*Recommended size for maximum performance	*B 55,6 mm (2 3/16 in)	1 069 m (3 506 ft)
	*N 6,9 mm (2 3/4 in)	822 m (2 697 ft)
	*H 88,9 mm (3 1/2 in)	558 m (1 829 ft)
	*P 117,5 mm (4 5/8 in)	369 m (1 209 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 diesel engine: CAT C4.4 Tier 4, 149 kW (200 hp) à 2 000 rpm		

Feed frame

Head stroke	1,80 m (6 ft)
Pull speed	37 m/min (123 ft/min)
Push speed	57 m/min (186 ft/min)
Pull capacity	6 426 kg (14 137 lb) @ 283 bar (4 100 psi)
Push capacity	4 239 kg (9 327 lb) @ 283 bar (4 100 psi)
Possible angle	-45 to -90 degrees

2-speed transmission

Speed	Ratio	RPM	Maximum torque
L0	3,46:1	0-382	2 002 N-m (1 477 ft-lb) @ 382 rpm
H1	1:1	0-1 300	589 N-m (934 ft-lb) @ 1 300 rpm
Speed and torque based on an 80 cc hydraulic motor at 283 bar (4 100 psi)			

Wireline hoist

Cable capacity (4,8 mm - 3/16 in)	1 790 m (5 873 ft)
Empty Pull capacity	1 227 kg (2 700 lb)
Full Pull capacity	327 kg (720 lb)
Line speed bare drum	109 m/min (356 ft/min)
Full drum	381 m/min (1 250 ft/min)
Variable speed as needed	

Weight

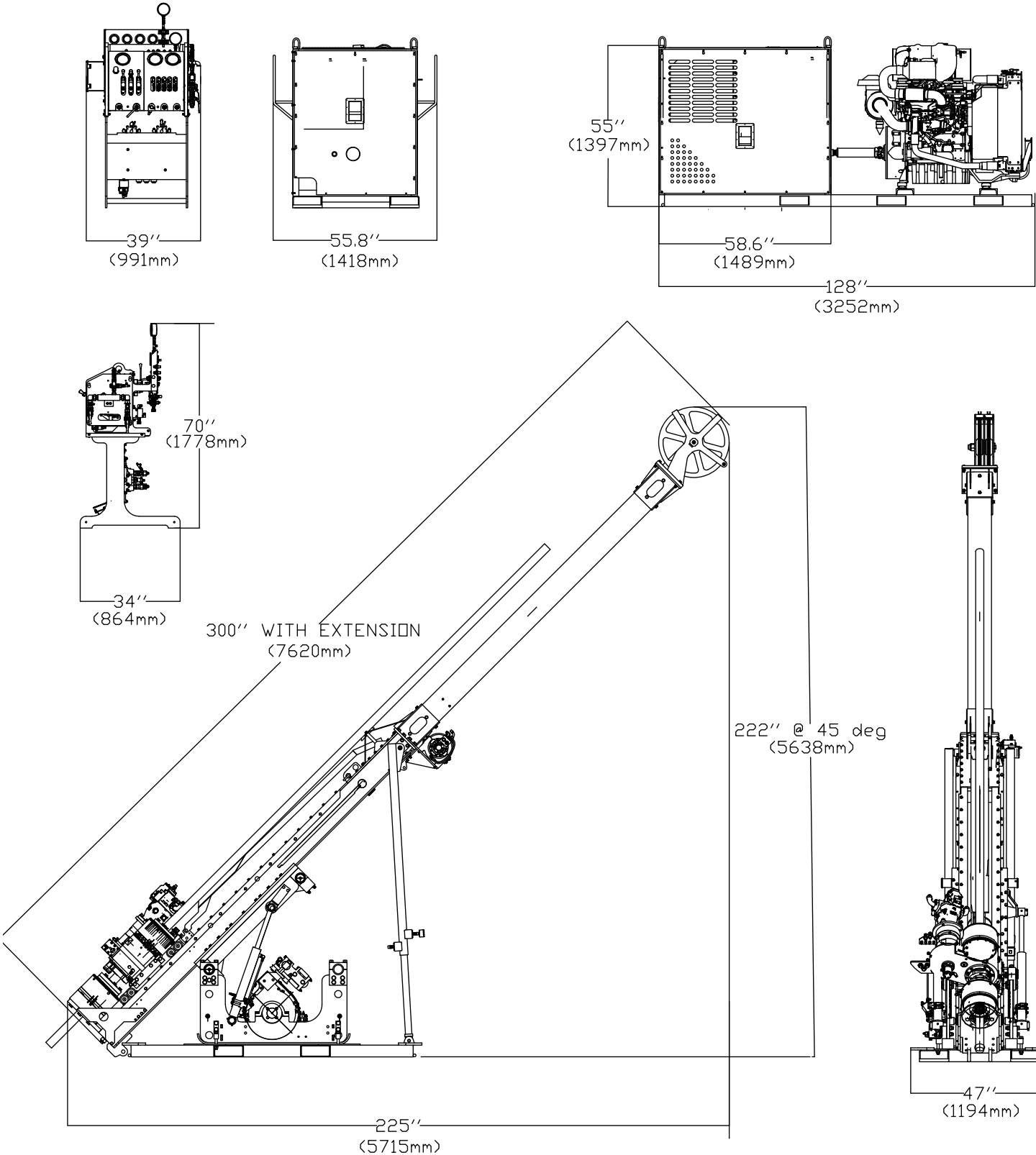
Drill head & chuck	582 kg (1 280 lb)
Mast base + wireline	411 kg (905 lb)
Water pump + tub + hydraulic hoses	477 kg (1 050 lb)
Mast + extension	841 kg (1 850 lb)
Engine	727 kg (1 600 lb)
Hydraulic control	386 kg (850 lb)
Hydraulic tank + pumps	577 kg (1 270 lb)
Fuel tank - 405 l (105 US gal)	341 kg (750 lb)

*Modules weights combination is given only as guidelines to plan how to move the drill rig from a site to another.

Options

Drilling head cooler
Water pump, std Bean 435 style or Pratissoli KF40
Safety guard with interlock system
AUX connections (mud mixer, etc)
1 363 kg (3 000 lb) winch

DIMENSIONS



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Distributor:



110 Jacques-Bibeau St., Rouyn-Noranda, QC J9Y 0A3, Canada

1 819 762-9645 info@mbiglobal.ca