

KmN1.4ua



SPECIFICATIONS

Rotary head and chuck	
Holding capacity	Option available at over 22 727 kg (50 000 lb)
Spindle interior dimension	124 mm (4,9 in)
Chuck operation	Spring closed and hydraulically opened
Final drive	HV-80-3 chain in an oil bath
Hydraulic Motor	385 cc variable
Rotary Head Ratio	1:2,33
Lubrication	Pressurized pump and filtered circuit for bearing
Fabrication	Steel
Speed	0 to 1 250 rpm

FEATURES AND BENEFITS

- Automatic drilling between work shifts
- Automatic rod extraction/insertion
- Automatic control of torque, feed speed and water flow.
- Data acquisition
- Automatic drill rod insertion with lateral manipulator
- Wifi connection
- No transmission
- Manual or auto operation as required
- On-screen data display

Hydraulic module

Hydraulic pumps 1	228 l/m (60 gpm) @ 448 bar (6 500 psi)
Hydraulic pumps 2	130 l/m (34 gpm) @ 276 bar (4 000 psi)
Hydraulic pumps 3	17 l/m (4,4 gpm) @ 276 bar (4 000 psi)
Filtration	High pressure filter (3) 6 microns absolute filter on return line (2)
System drive	Closed loop (hydrostatic) circuit Open loop, load sensing circuit
Hydraulic pressurized reservoir (VVR)	21 l (1 300 cu.in)
Oil heat exchanger	Air cooling & water cooler

Drilling capacity

*Recommended size for maximum performance	*B 55,6 mm (2 3/16 in)	2 008 m (6 589 ft)
	*N 69,9 mm (2 3/4 in)	1 545 m (5 069 ft)
	*H 88,9 mm (3 1/2 in)	1 048 m (3 438 ft)
	*P 117,5 mm (4 5/8 in)	693 m (2 272 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 electric motor 93 Kw (125 hp)		

Feed frame

Feed stroke	1,68 m (66 in)
Pull speed	54 m/min (179 ft/pm)
Push speed	54 m/min (179 ft/pm)
Pull capacity	12 045 kg (26 500 lb) @ 283 bar (4 100 psi)
Push capacity	12 045 kg (26 500 lb) @ 283 bar (4 100 psi)
Possible angle	-90 to -90 degrees

Drilling head

Hydraulic motor size	385 cc
Drilling head ratio	1:2,33
Torque max.	1 298 N-m (957 ft-lb) @ 1 250 rpm

Wireline hoist

Cable capacity (4,8 mm - 3/16 in)	3 357 m (11 015 ft)
Empty Pull capacity	1 534 kg (3 374 lb)
Full Pull capacity	511 kg (1 125 lb)
Line speed bare drum	123 m/min (404 ft/min)
Full drum	369 m/min (1 212 ft/min)

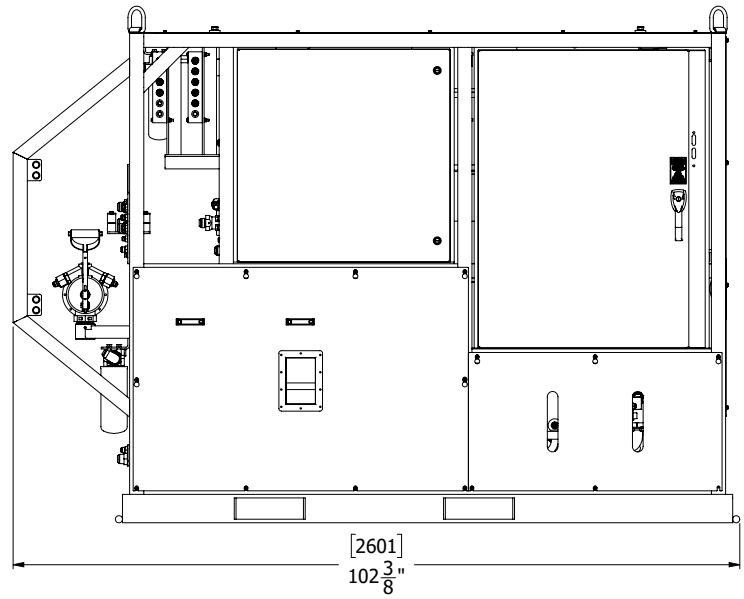
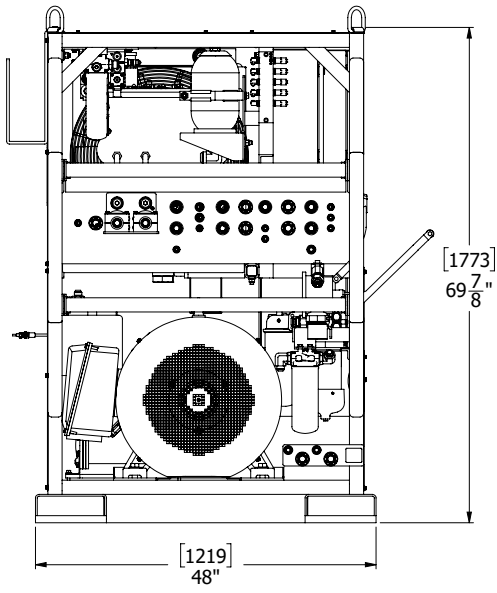
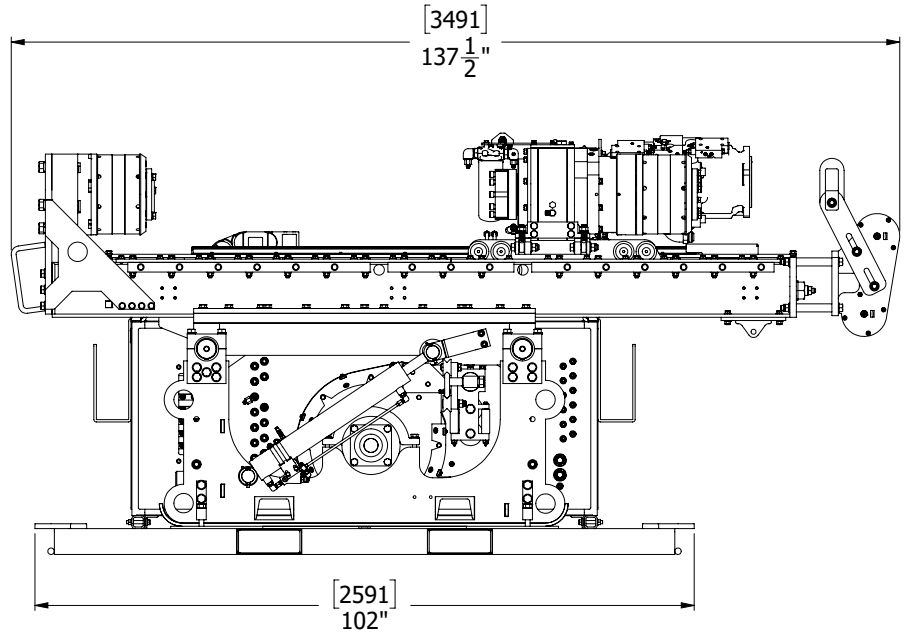
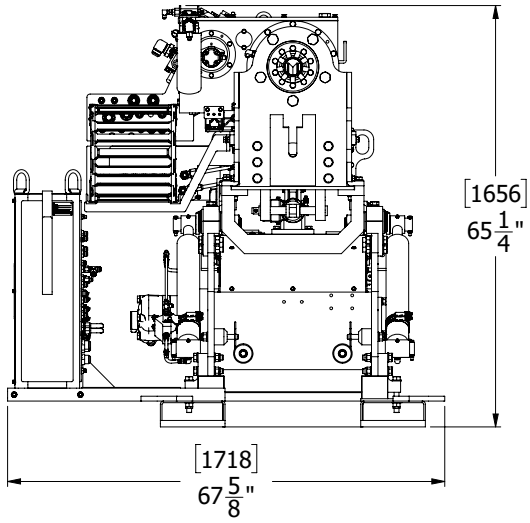
Water pump

KS40A	227 l/min (60 gpm) @ 138 bar (2 000 psi)
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Options

Drilling head cooler
Feed cylinder upgrade kit to increase drilling capacity to 2 153 m (7 165 ft) using N rod

DIMENSIONS



STRONGER **AND** STRONGER

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