

# KmN.8s

Its modular conception makes it easily adaptable.



## 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

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

### Filtration

|   |
|---|
| 10 micron absolute filter on return line (2)                        |
| High pressure filter (2)  |
| One strainer 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 US gal/min) @ 1 800 RPM (max. 4 000 psi (275 bar))<br>136 l/min (36 US gal/min) @ 1 800 RPM (max. 4 000 psi (275 bar))<br>Open loop, Load-sensing circuit |
| Hydraulic pressurized tank                         | 55 US gal (208 l)   |
| Oil heat exchanger                                 | Water cooling (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 holder   | 254 lb (115 kg)                      |
| Feed frame assy<br>(extension and pulley included) | 254 lb (115 kg)<br>1 545 lb (700 kg) |
| Mast base  | 500 lb (227 kg)                      |
| Wireline   | 460 lb (208 kg)                      |
| Hydraulic hoses                                    | 1 000 lb (454 kg)                    |

### Drilling capacity

|  |                      |                   |
|--|----------------------|-------------------|
| *Dimension recommended for maximum performance | *B 2 3/16" (55,6 mm) | 3 600 ft (1100 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.

### Drilling capacity

|                            |                              |
|----------------------------|------------------------------|
| Recommended diesel engine  | 155 HP (112 Kw) at 2 100 RPM |
| Recommended electric motor | 100 HP (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 (8 165 kg) @ 4 000 psi  |
| Possible angle | -8 to -90 degrees                 |

### 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           | 20 ft (6 m)                      |

### 2-Speed transmission

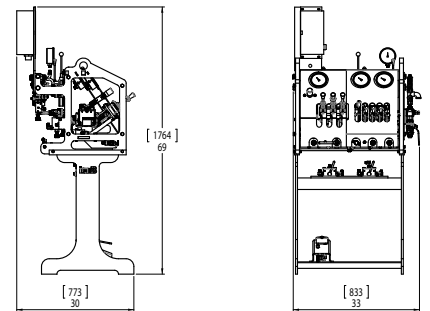
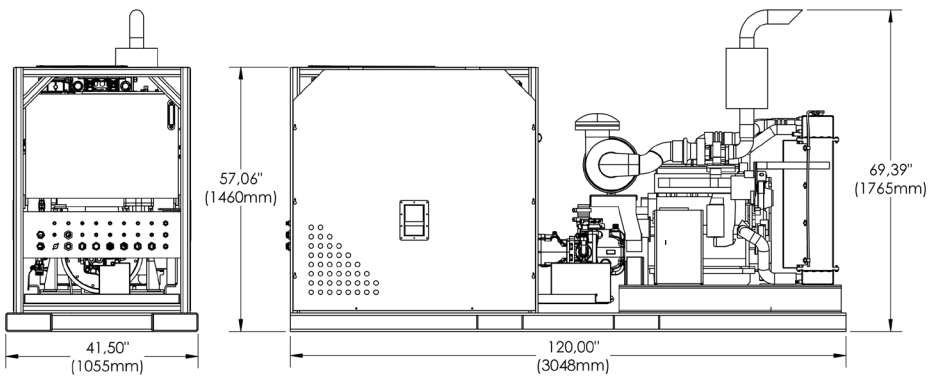
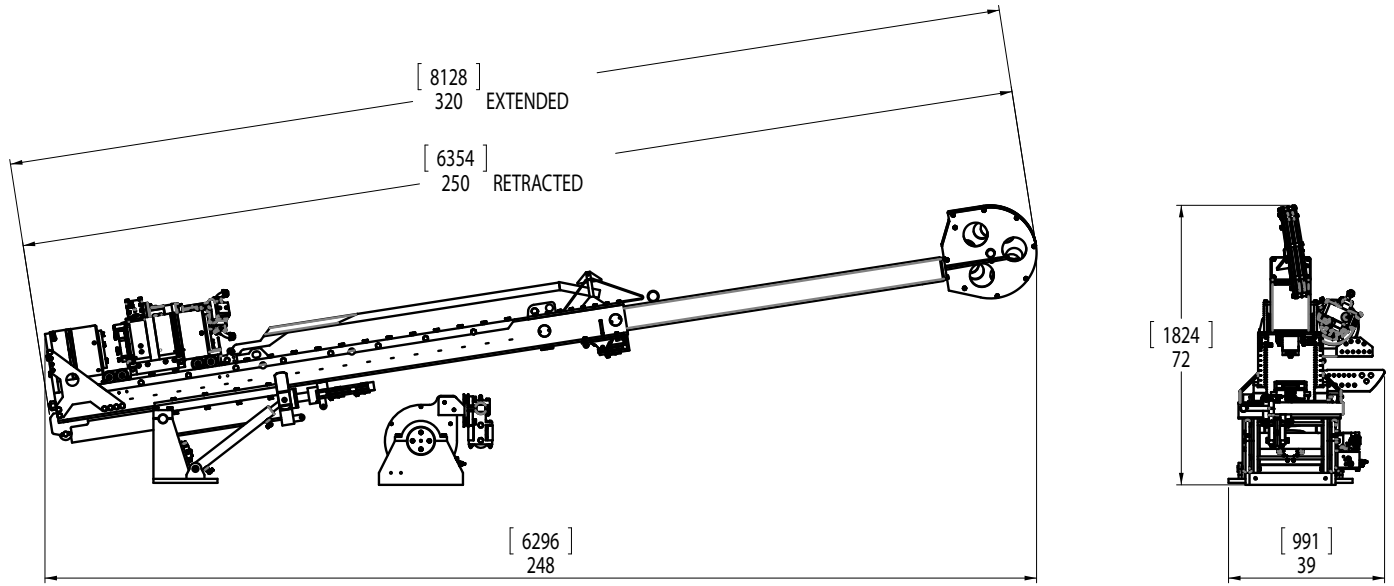
| Speed | Ratio  | RPM     | Maximum Torque                    |
|-------|--------|---------|-----------------------------------|
| LO    | 3.46:1 | 0-361   | 2 098 lb*ft (2 840 N*m) @ 361 RPM |
| HI    | 1:1    | 0-1 300 | 606 lb*ft (820 N*m) @ 1 300 RPM   |

Speed and torque based on a 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) |
| Full Pull capacity                | 650 lb (295 kg)   |
| Variable speed as needed          |                   |

# DIMENSIONS



# STRONGER AND STRONGER

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