



# Small, compact, powerful, quiet, oil-free – Battery-powered horizontal drilling system!



VDBUM  
**FÖRDERPREIS**  
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PROJEKTE

**1. Place**  
in the category  
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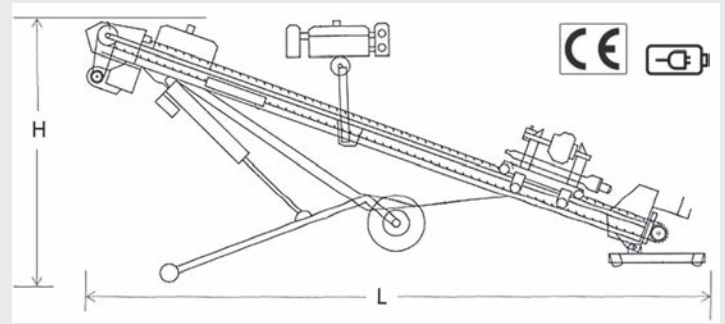


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## Specifications

Dimensions	Metric
L, total length, extended	180 cm
retracted	200 cm
B, total width	74 cm
H, total height, extended	110 cm
retracted	82 cm
Operating weight	130 kg
Angle of entry	38.7°
Floor loading	75 kg
Ground clearance, extended	15 cm
retracted	0
Pipe	
Length of drill pipe, nominal	120 cm
Ø outside tool joint end	32 mm
Ø of drill pipe	32 mm
Bending radius, minimum	8 m
Weight of drill pipe	1.25 kg
Weight, pipe box (14 pipes)	17.5 kg
Operation	
Maximum spindle speed, stage 1	43 U/min
stage 2	100 U/min
Maximum spindle torque, stage 1	55 Nm
Carriage thrust travel speed, stage 1	0.42 m/s
stage 2	0.97 m/s
Carriage pullback travel speed, stage 1	0.42 m/s
Thrust and pullback force	2158 N
Drilling length, maximum	30 m
Bore diameter	35 mm
Maximum backream diameter	80 mm

Power	Metric
Electric motor carriage, power	18 V
Electric motor rotation, power	18 V
Lift-up motor, power	18 V
applied pressure	250 N
Feed pump, electrical power	2500 W
Mixing pump, electrical power	1000 W
Drilling Fluid System	
Drilling fluid pressure, maximum	40 bar
Drilling fluid delivery rate, maximum	18.9 l/min
Drilling fluid volume tank	700 l
Accumulator	
Main-batterie, power	12 V
Electric charge	675 Ah
Operating time (permanently loaded)	9 h
Drill-batteries, power	4x 18 V
Electric charge	4x 5 Ah
Operating time (permanently loaded)	4x 1.6 h
Noise level	
Sound pressure level for operator (LpA) < 70 dB(A) according to ISO 6394, EN62841, outside noise level < 80 dBA according to ISO 6393.	
Concussions / Vibrations	
The average vibration transmitted to the operator's hand and body does not exceed 2.50 m/s <sup>2</sup> during normal operation.	

