



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



Perfect for the tiniest of spaces for your house connection:

- drilling lengths up to 40 meters
- 9 h effective battery life
- minimizing noise intensity
- no terrain damages due to heavy machine
- extreme small bending radii (8 m!)



On target! – Successful drilling underneath a stream course



VDBUM
FÖRDERPREIS
FÜR HERAUSRAGENDE
PROJEKTE

1. Place
in the category
Innovations
gained in practice

VDBUM
Verband der Baubranche,
Umwelt- und Maschinentechnik e.V.



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Specifications Drill-Vole 2.0

Dimensions	Metric
L, total length, extended	180 cm
retracted	200 cm
B, total width	74 cm
H, total height, extended	120 cm
retracted	110 cm
Operating weight	212 kg
Angle of entry	38.7°
Floor loading	106 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)	30 kg
Operation	
Maximum spindle speed	180 U/min
Maximum spindle torque	95 Nm
Carriage thrust travel speed	0.97 m/s
Carriage pullback travel speed	0.42 m/s
Thrust force	700 kg
Pullback force	700 kg
Drilling length, maximum	40 m
Bore diameter	35 mm
Maximum backream diameter	80 mm

Power	Metric
Electric motor carriage, power	650 W
Electric motor rotation, power	650 W
Lift-up motor, power	18 V
Feed pump, electrical power	2500 W
Mixing pump, electrical power	1000 W
Drilling Fluid System	
Drilling fluid pressure, maximum	50 bar
Drilling fluid delivery rate, maximum	19 l/min
Drilling fluid volume tank	700 l
Accumulator	
Main-batterie, power	12 V
Electric charge	900 Ah
Operating time (permanently loaded)	9 h
Drill-batteries, power	2x 48 V
Electric charge	2x 20 Ah
Operating time (permanently loaded)	2x 4.5 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 ² during normal operation.	

