

## Vibrator Mertz / Hemi

Exploration & Geosurvey



The Hemi 48 vibrator mounted on the M12 off-road chassis is an ideal seismic source unit if high quality results are needed from geophysical exploration.

These DMT vibrators are equipped with the Pelton Advanced III / Vib Pro vibrator control electronics and an integrated GPS positioning unit.

## Technical specifications of the Mertz / Hemi vibrator

Category	Specification
Chassis	M12 605
Type	Buggy
Drive	4x4, hydraulic
Total weight	20,830 kg
Load on axles	Front: 9,920 kg Rear: 10,910 kg
<b>Weight on base plate</b>	
Weight on base plate	19,500 kg (43,000 lb)
Standard tyres	67-34-25, 10/20 ply
Length overall	920 cm
Width	250 to 300 cm
Height	297 cm
Axle-base	477 cm
Maximum speed	20 km/h
Power supply	12 V
<b>Vibrator type</b>	
Vibrator type	Hemi 48
Peak force (theoretical)	200,615 N (45,100 lbf)
Damping system	Airbag
<b>Base plate</b>	
Weight	1,725 kg (3,800 lb)
Area	26,300 cm <sup>2</sup> (4,077 in <sup>2</sup> )
Useable stroke	7.6 cm (2.99 in)
Piston area	102 cm <sup>2</sup> (15.81 in <sup>2</sup> )
Minimum frequency	5 Hz
Mass weight	2,630 kg (5,800 lb)
Ground clearance	48 cm (18.9 in)

Subject to change

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