

INDUSTRIAL VEHICLES INTERNATIONAL, INC.

minivib

Broad Band 10 to 550 hz. Vibrator

T-15000

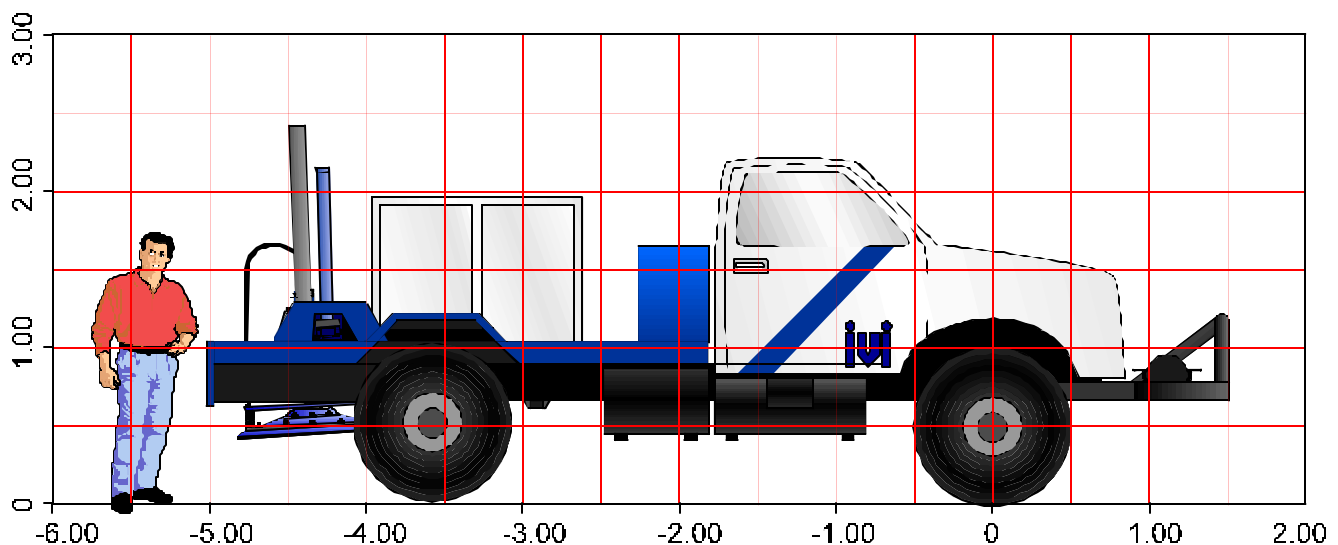
An Adjustable Weight Truck System

The 'minivib' Model T-15000 is an advanced seismic source production system designed for high resolution and high production geophysical prospecting. The 6,000 pound output 'minivib' offers a 10 to 550 hz output making it the broadest band source available in its class. The advanced system features include high fidelity and band width, low source generated ground pressure, and noise limiting systems. The truck mounting makes this system ideal for VSP surveys or traditional seismic surveys done on roads. The adjustable weight system allows 7,000 pounds of weights to be easily added or removed from the truck. This gives the T-15000 system up to 12,000 pounds of hold-down weight for P-wave or Shear wave surveys.



Side View Dimensional Drawing of the T-15000 'minivib'

meters



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T-15000 Truck

CATEGORY	ENGLISH	METRIC
Total Weight	13,600 Pounds	6.169 kgf.
Front Axle Weight	4,300 Pounds	1.950 kgf.
Rear Axle Weight	9,300 Pounds	4.218 kgf.
Transmission	Allison Automatic	Allison Automatic
Diesel Engine - Ford	190 Horsepower @ 2500 RPM	141.7 kW @ 2500 RPM
Front Axle	7,000 Pound Rating	3.176 kgf.
Rear Axle	19,000 Pound Rating	8.621 kgf.
Brakes	Hydraulic	Hydraulic

'minivib' Vibrator

CATEGORY	ENGLISH	METRIC
Max Theoretical Peak Force	6,000 Pounds	26.689 N.
Mass Piston Area	1.50 Inches ²	9,7 cm ²
Reaction Mass Weight	311 Pounds	141 kgf.
Reaction Mass Stroke	1.88 Inches	4,78 cm.
Servo Valve	5 GPM	18,9 l/m
Servo Valve Pilot Filter	3 Micron	3 Micron
Baseplate Area	1,018 Inches ²	6.567 cm ²
Baseplate Assembly Weight	370 Pounds	168 kgf.
Lift System Stroke	38 Inches	96,5 cm.
Lift Cylinder Diameter	2.5 Inches	6,3 cm.
Lift Synchronization	Mechanical Crossbeam	Mechanical Crossbeam
Min. Holddown Weight	7,500 Pounds	3.402 kgf.

T-15000

T-15000

Power Unit

CATEGORY	ENGLISH	METRIC
Vibrator Pump Flow	21 GPM	81 l/m
Diesel Engine - Isuzu	39 Horsepower @ 1800 RPM	29 kW @ 1800 RPM
System Pressure	4,000 psi	276 bar

OPTIONS

OPTION	DESCRIPTION
Noise Reduction	Equipment that limits the ambient noise of the Power Unit
Winch	An 8,000 pound front mounted hydraulic winch
Additional Weights	Up to 8,000 pounds of add-on weights for increased holddown

Specifications are subject to change without notice. All specifications reflect standard equipment.

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