

INDUSTRIAL VEHICLES INTERNATIONAL, INC

HEMI 50

A 50,000 Pound Vibrator

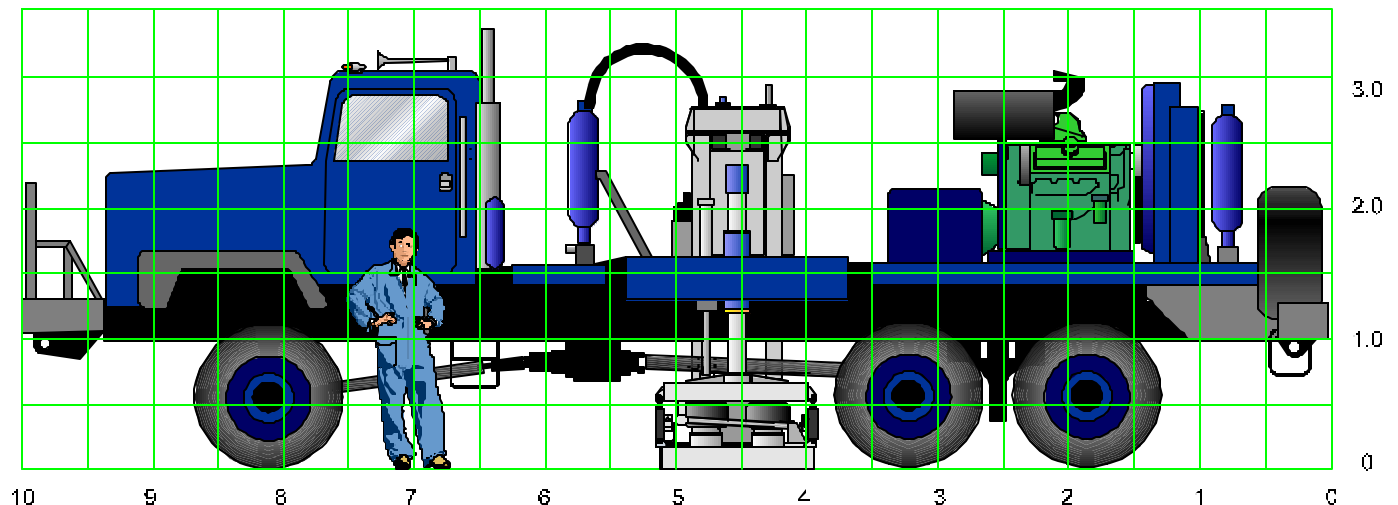
International Paystar Truck

A 6x6 Truck

The **HEMI 50** vibrator mounted on a 6x6 or 4x6 truck is a well proven geophysical production system. Designed for high quality geophysical prospecting, this 50,000 pound output vibrator offers broad band output and a high signal to noise ratio for the deepest surveys. The International truck is specifically configured for carrying seismic vibrators. This system is weight balanced for maximum weight on the baseplate. Features include an Allison powershift transmission, easy access to all vibrator components, high ground clearance, and a comfortable 2 man cab. This system is a good solution for areas requiring road surveys, or large amounts of traveling between lines.



Side View Drawing of the International Paystar 6x6 Truck with the **HEMI 50**
1/2 meter grid



HEMI-50

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International Harvester Truck

CATEGORY	ENGLISH	METRIC
Total Weight	52,000 Pounds	23.593 kg.
Front/Front Axle Weight	18,100 Pounds	8.212 kg.
Front/Rear Axle Weight	18,100 Pounds	8.212 kg.
Rear Axle Set Weight	33,900 Pounds	15.381 kg.
Transmission	Allison Automatic 5 Speed	Allison Automatic 5 Speed
Truck Diesel Engine	330 Horsepower @ 2100 RPM	246.3 kW @ 2100 RPM
Front/Front Axle Rating	21,000 Pound Rating	9.528 kg.
Front/Rear Axle Rating	21,000 Pound Rating	9.528 kg.
Rear Axle Set Rating	46,000 Pound Rating	20.871 kg.
Brakes	Pneumatic	Pneumatic

HEMI-50 Vibrator

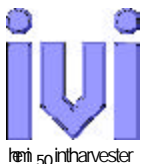
CATEGORY	ENGLISH	METRIC
Max. Theoretical Pk Force	50,160 Pounds	223,123 N.
Mass Piston Area	16.72 Inches ²	107,9 cm ²
Reaction Mass Weight	5,820 Pounds	2.640 kgf.
Reaction Mass Stroke	3.0 Inches	7,62 cm.
Reaction Centering	Air Springs	Air Springs
Servo Valve	200 GPM	756 l/m
Servo Valve Pilot Filter	3 Micron	3 Micron
Baseplate Area	4,230 Inches ²	27.290 cm ²
Baseplate Assembly Weight	4,490 Pounds	2037 kgf.
Lift System Stroke	26 Inches	66 cm.
Lift Cylinder Diameter	3.25 Inches	8,26 cm.
Lift Synchronization	Chain	Chain
Holddown Weight	50,000 Pounds	22.680 kg.

Power Unit

CATEGORY	ENGLISH	METRIC
Engine: CAT C15	450 Horsepower @ 2100 RPM	336 kW @ 2100 RPM
System Pressure	3,000 psi	207 bar
Vibrator Pump Flow	120 GPM @ 2100 RPM	454 l/m @ 2100 RPM

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

HEMI-50



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