

UNIVIB (PLS-326)

FEATURES

- Vibrator buggy design for small to mid-range source acquisition
- Flexible options support Pre-Loaded Stilt Structure (PLS) actuator
- Smaller footprint provides easier mobility through environmentally sensitive areas
- Up to 26,000 lbs of peak force
- Fully integrated with INOVA's Vib Pro™ and Vib Pro™ HD source controllers for greater control, timing, QC, and lower distortion
- Pre-Loaded Stilt Structure prolongs the life of parts
- Articulated, Oscillated Steering
- High Capacity Hydraulic Cooling



TECHNICAL SPECIFICATIONS - PLS-334 ACTUATOR

Shaker Model:	P-Wave Vibrator; PLS-326	Pilot Valve:	MOOG
Peak Force:	115 kN (26,000 lb)	Filtration:	3-micron absolute servo filter; 10-micron charge pump and return filters
Piston Area:	55.7 sq cm (8.64 sq in)	Heat Exchanger:	Aluminum, engine mounted
Mass Weight:	1,184 kg (2,610 lb)	Reservoir:	132 L (35 gal)
Driven Weight:	458 kg (1,010 lb)	Baseplate Type:	36" x 54" 8-sided
Useable Stroke:	10.1 cm (4.0 in)	Baseplate Area:	1.02 m ² (1,580 in ²)
Frequency Limit:	1 Hz to 400 Hz*	Baseplate Clearance:	43 cm (17 in) - w/o pad
Full Drive Frequency:	6.98 Hz @ 26,000 lbf 5.68 Hz @ 17,300 lbf	Winch Capacity:	4,536 kg (10,000 lb)
Mass Accumulators (2):	3.8 L (1 gal.)		
Lift Stroke:	97 cm (38 in)		
Balance Method:	Airbags (2)		
Isolation Method:	Airbags (6)		
Hydraulic System:	Closed-loop		
Hydraulic System Pump:	119 cc (7.25 in ³); Denison P-7		
Servo Valve:	Atlas 60FC, 130, 200H, 240H (with DR modification)		

*Dependent on ground conditions, controller type and force level settings

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TECHNICAL SPECIFICATIONS - CHASSIS

Engine:	John Deere 4045T, 4.5L (140 HP @ 2,400 RPM)
Air Cleaner:	Dry-type, 3-stage with pre-cleaner
Cooling:	Water-cooled radiator to +50 °C (+122 °F) for hot climate and -50 °C (-58 °F) for cold climate
Air Compressor:	13 CFM
System Warning Device:	Engine shutdown system for low oil pressure, high engine water temperature, and low coolant level
Fuel Capacity:	378 L (100 gal)
Drive Pump:	100 cc (6.1 in ³) with electric displacement control
Drive Motors:	160 cc (9.76 in ³) variable volume for 3 forward and 1 reverse speeds
Frame:	Solid-steel frame for maximum strength and reliability; 33° articulated; hydraulic power steering; 16.5° oscillation center joint
Axles:	Outboard planetary axle with enclosed wet disc brakes and differential lock, and parking brake
Cab:	Fabricated-steel construction; high visibility with adjustable driver and passenger seat; two, 3-point shoulder belts; air-conditioning; heater; wiper; dome light; and side mounted mirrors; defroster fans
Electrical:	+12 V start; +12 V run with 120-amp alternator and one, heavy-duty, +12 V, 8D battery; battery-disconnect switch

PHYSICAL SPECIFICATIONS

Buggy Length:	6.32 m (249 in)
Buggy Width:	2.13 m (84 in) with 480/65R24 in tires
Height (maximum):	2.88 m (113.5 in) with 480/65R24 tires
Wheelbase:	2.54 m (100 in)
Turning circle:	10.67 m (420 in) O.D. curb-curb
Speed:	26 km/hr (16 mph)
Gradeability:	60%; (31 degrees)
Gross Vehicle Weight	Minimum 8,709 kg (19,200 lb) Maximum* 12,474 kg (27,500 lb)
Hold-down Weight:	Minimum 8,165 kg (18,000 lb) Maximum* 11,793 kg (26,000 lb)
Front axle Weight:	Minimum 4,717 kg (10,400 lb) Maximum* 6,260 kg (13,800 lb)
Rear axle Weight:	Minimum 4,082 kg (9,000 lb) Maximum* 6,214 kg (13,700 lb)
Noise:	81 dB @ 7 m to side

*Desired weight achieved with optional weight kit installed