UV2

FEATURES

- <1 to 400 Hz frequency limit*
- New vibrator buggy design for small to mid-range source acquisition
- Up to 34,000 lbs of Hold Down Force
- In-cab CAN bus control and monitoring system
- Smaller footprint provides easier mobility through environmentally sensitive areas
- 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 provides simplified maintenance

TECHNICAL SPECIFICATIONS - ACTUATOR

Shaker Model:	P-Wave Vibrator; PLS-334
Peak Force:	115.3 kN (25,900 lbf)
Piston Area:	55.7 sq cm (8.64 sq in)
Mass Weight:	1,828 kg (4029 lb)
Driven Weight:	913 kg (2012 lb)
Usable Stroke:	10.1 cm (4.0 in)
Frequency Limit:	<1 Hz to 400 Hz*
Low Frequency Force Output:	5.6 Hz @25,920 lbf 4.3 Hz @ 15,135 lbf
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 1301 (with DR modification)
Pilot Valve:	MOOG
Filtration:	3-micron absolute servo filter; 10-micron charge pump and return filters
Heat Exchanger:	Aluminum, engine mounted
Reservoir:	132 L (35 gal)
Baseplate Type:	36" x 54" 8-sided
Baseplate Area:	1.02 m^2 (1,580 in^2)
Baseplate Clearance:	53.3 cm (21 in) - w/o pad

*Actual force output is dependent on frequency, ground conditions, controller type and maintenance condition of the vibrator . Consult user manual for guidelines on operation.

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INOVA®

UV2

TECHNICAL SPECIFICATIONS - CHASSIS

Engine:	170 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:	250 cc (15.26 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:	Inboard planetary axle with enclosed wet disc brakes,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; window defrost
Electrical:	+12 V start; +12 V run with 120-amp alternator and one, heavy-duty, +12 V, 8D battery; positive and negative battery-disconnect switch

PHYSICAL SPECIFICATIONS

Buggy Length:	7.9 m (311 in)
Buggy Width:	2.21 m (87 in) with tires **
Height (maximum):	3.11m (122.5 in) with tires
Wheelbase:	3.28 m (129 in)
urning circle:	10.67 m (420 in) O.D. curb-curb
Speed:	22 km/hr (14 mph)
Gross Vehicle Weight	Minimum 13,753 kg (30,320 lb) Maximum 16,347 kg (36,040 lb) ***
Hold-down Weight:	Minimum 8,165 kg (18,000 lb) Maximum 15,422 kg (34,000 lb) ***
Front axle Weight:	Minimum 6,405 kg (14,120 lb) Maximum 7,702 kg (16,980 lb) ***
Rear axle Weight:	Minimum 7,348 kg (16,200 lb) Maximum 8,645 kg (19,060 lb) ***
Noise:	81 dB @ 7m to side

COMMON OPTIONS

- Winch with capacity of 6,804 kg (15,000 lb)
- Various tire and wheel options on request
- Safety kits
  - Emergency stop,fire extinguisher,backup camera

**Buggy width will vary depending on tires selected

*** Desired weight achieved with optional weight kit installed

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