

PORTABLE HYDRAULIC POWER SUPPLY ELECTRIC DRIVEN MODEL: HIP-E-6SS



HYDRAULICS INTERNATIONAL, INC.

9201 Independence Avenue, Chatsworth, CA 91311, U.S.A.

Tel: +1(818) 718-2462

Fax: +1(818) 718-2459

Website: www.hiigroup.com

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Portable Hydraulic Power Supply, Single Pump Dual Output

Models HIP-E-6SS

Features

- Low profile and narrow structure provides better air transportability.
- Hydraulic circuit is designed as an integral manifold which eliminates excessive plumbing & external leakage of hydraulic fluid.
- By utilizing a sealed hydraulic reservoir the air and moisture entering the reservoir is eliminated.
- Heat exchanger system for the hydraulic system is designed for high ambient temperature.
- Low noise emission.
- Continuous cooling, filtering and particle removal from hydraulic fluid keeps hydraulic fluid clean and eliminates the need of changing hydraulic fluid.
- Sample ports are provided for monitoring the condition of the hydraulic fluid in the reservoir.
- External reservoir fill and discharge ports enables the operator to fill the hydraulic reservoir from an outside source, or to remove clean filtered hydraulic fluid from the reservoir.
- Back pressure regulator allows operation in both aircraft (closed loop) or test stand (open loop) reservoir operation.

Leading Particulars

ITEM	CHARACTERISTICS
Test medium	Hydraulic fluid Skydrol 500, or as specified by customer when ordering
Capacity	32 GPM (60 HZ) at 3000 PSI and 20 GPM at 5000 PSI or (50 HZ) 27 GPM at 3000 PSI and 20 GPM at 5000 PSI
Operating Conditions	
Ambient temperature range	-40°F to +120°F
Altitude.....	Sea level to 6000 feet
Relative humidity.....	0% to 100%
Test stand position.....	Up to 8 1/2° from horizontal
Overall Physical Characteristics	
Size.....	Height: 48", width: 51" and length: 97"
Wet weight.....	3000 lb
Hydraulic reservoir.....	35 U.S. gallon (30 useable)
Road clearance.....	8 inches
Tow speed.....	20 mph max over improved loads
Steering angle.....	40°
Major Component	
Drive unit.....	75 HP, ODP Electric Motor, 1800 RPM at 60 HZ or 1500 RPM at 50 HZ
Main pump.....	Variable displacement piston pump, with remote volume and pressure compensator
Boost pump.....	Fixed displacement gear pump
Heat exchanger	Oil-to-air radiator type
Supply port.....	1" in tube size, AN type fitting or as specified by customer
Return port.....	1 1/4" tube size, AN type fitting or as specified by customer
Filtration	
Boost system filter.....	10-micron (nominal)
Supply system filter.....	3-micron (absolute)
Instrumentation	
Output pressure gauge	0-6000 PSI
Compound gauge	-30-0-30 PSI
Hydraulic temp gauge.....	-20°F to 200°F
Hourmeter.....	0 to 99999 hr
Automatic shutdown.....	Low boost pressure, high temp, low and high reservoir level, electrical input power out of phase
Structure	Stainless Steel Housing for 040489-100SS
Options	Hoses, quick disconnects, and electrical plug can be requested as option by customer



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