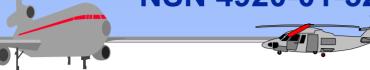
# PORTABLE HYDRAULIC POWER SUPPLY

Electric Driven, P/N 040499-100







# HYDRAULICS INTERNATIONAL, INC.

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# PORTABLE HYDRAULIC POWER SUPPLY

### Electric Driven, P/N 040499-100 NSN 4920-01-523-5919

#### **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, MIL-H-83282, MIL-H-5606, or as specified by customer when ordering
Capacity	40 GPM at 3000 PSI, 25 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
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
Return port	1 ¼" tube size, AN type fitting
Filtration	
Boost system filter	10-micron (nominal)
Supply system filter	3-micron (absolute)
Fill & purification system filter	3-micron (absolute)
Instrumentation	
Output pressure gauge	0-6000 PSI
Compound gauge	
(Purification/boost suction)	-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

