

# PORTABLE HYDRAULIC POWER SUPPLY

## Electric Driven, P/N 040499-100

### NSN 4920-01-523-5919



## HYDRAULICS INTERNATIONAL, INC.

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

Tel: +1(818) 718-2462

Fax: +1(818) 718-2459

Website: [www.hiinet.com](http://www.hiinet.com)

# 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
<b>Test medium</b>	Hydraulic fluid, MIL-H-83282, MIL-H-5606, or as specified by customer when ordering
<b>Capacity</b>	40 GPM at 3000 PSI, 25 GPM at 5000 PSI
<b>Operating Conditions</b>	
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
<b>Overall Physical Characteristics</b>	
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°
<b>Major Component</b>	
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 1/4" tube size, AN type fitting
<b>Filtration</b>	
Boost system filter .....	10-micron (nominal)
Supply system filter .....	3-micron (absolute)
Fill & purification system filter .....	3-micron (absolute)
<b>Instrumentation</b>	
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



**HYDRAULICS INTERNATIONAL, INC.**

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

Tel: +1(818) 718-2462 Fax +1(818) 718-2459 Email: sales@hiinet.com