HEAVY DUTY HYDRAULIC POWER UNIT

Our Extensive Expertise and Friendly Competent Support Staff Ensures Our Hydraulic Test Equipment is the Most Innovative on the Market Today

- **Performance Assured 100% Duty Cycle**
  1. Will deliver Maximum Flow @ Maximum Pressure
  2. Industrial Duty Lincoln® Motor
  3. Heavy Duty Motor Starter with Over Load Protection

- **Panel Mounted Controls for Ease of Operation and Safety**
  1. Complete Pump Flow Adjustment (0-Full GPM)
  2. Complete Pump Pressure Adjustment (250-Full PSI)
  3. By-Pass Dump Valve

- **Super Clean Filtration** – Industry Leading Filtration Ensures Quality While Increasing Aircraft Component Life and Decreasing Aircraft Filter Changes
  1. High Efficiency, Non-Bypass Pressure Filter (3 Micron Absolute)
  2. Large Capacity Return Filter (6 Micron Absolute)

- **Instrumentation**
  1. High Pressure, Dual Scale Flow Meter (4% accuracy)
  2. Test Quality 6” Pressure Gauge (1% accuracy)
  3. Dual Scale Pyrometer / Oil Temperature Gauge (2% accuracy)
  4. Hour Meter

- **Operational Warning Lights**
  1. Pressure Filter Condition LED Warning Indicator for Clogged Conditions
  2. High Fluid Temperature LED Warning Indicator

- **Durable 0.90 Brushed Aluminum Cabinet Construction**
  1. Large Hinged Rear Access Door Provides Convenient Access and Inspection
  2. Removable Top Panel for Ease of Access to Unit’s Components
  3. No Exterior Paint to Fade or Chip with Usage
  4. Guaranteed Not to Rust

9283 Industrial Blvd. Leland, NC 28451 USA
Voice 910.371.1151 Fax 910.371.1152
ap-hydraulics.com
Standard Features:

- 100% Duty Cycle, Will Deliver Maximum Flow @ Maximum Pressure
- All Welded 0.09 Aluminum Construction
- Removable Top Panels and Rear Door for Ease of Access to Unit’s Components
- High Efficiency Aluminum Oil Cooler with 3 Phase Electric Fan
- Stainless Steel Reservoir (200 Gallons)
- All Electrical Components Installed in Liquid Proof Enclosures (NEMA 4, 12)
- Safety Assured Exterior Electrical Panel Access
- Reservoir Sight Glass to Ensure Safety
- Extra Capacity, Reservoir Desiccant (Water Absorbing) Breather
- Heavy Duty All Welded Frame with Fork Lift Tubes
- Current Pressure Gauge and Flow Meter Certificate of Calibration
- Reservoir Selector Valve (to use either aircraft's or unit’s reservoir)
- Standard #16 Pressure Hoses and #32 Return Hoses, 25 ft. (7.62 m) Long
- Standard 50 ft. (15.2 m) Electrical Input Cable
- Durable Laser Engraved, Aluminum Placards
- Panel Mounted Operational Instructions
- Guaranteed No Leaks, Aluminum Pan Completely Covers Bottom
- Easy Access Exterior Fluid Sampling Valve to Meet Quality Parameters
- Easy Maneuvering Ensured with 8 in. x 3 in. Castors, Two Fixed and Two Swivel with Stability Provided by the Heavy Duty Floor Lock
- Heavy Duty Stainless Steel Bracket for Hose and Electrical Input Cord Storage

Dimensions: Length 130 in (330 cm), Width 66 in (168 cm), Height 53 in (135 cm)

### SPECIFICATIONS:

<table>
<thead>
<tr>
<th>SERIES MODEL</th>
<th>PUMP PRESSURE PSI (bar)</th>
<th>MOTOR HP (kw)</th>
<th>PUMP FLOW 50 Hz GPM (lpm)</th>
<th>PUMP FLOW 60 Hz GPM (lpm)</th>
<th>WEIGHT Lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>05-732-05</td>
<td>450 - 3500 PSI</td>
<td>100 HP</td>
<td>41 GPM</td>
<td>55 GPM</td>
<td>4300 lbs</td>
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<td></td>
<td>30 - 238 bar</td>
<td>75 kw</td>
<td>157 lpm</td>
<td>208 lpm</td>
<td>1950 kg</td>
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<td>05-733-05</td>
<td>450 - 4000 PSI</td>
<td>125 HP</td>
<td>50 GPM</td>
<td>63 GPM</td>
<td>4500 lbs</td>
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<tr>
<td></td>
<td>30 - 272 bar</td>
<td>92 kw</td>
<td>189 lpm</td>
<td>238 lpm</td>
<td>2041 kg</td>
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<tr>
<td>05-734-05</td>
<td>450 - 5000 PSI</td>
<td>150 HP</td>
<td>50 GPM</td>
<td>63 GPM</td>
<td>5350 lbs</td>
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<tr>
<td></td>
<td>30 - 340 bar</td>
<td>112 kw</td>
<td>189 lpm</td>
<td>238 lpm</td>
<td>2426 kg</td>
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<tr>
<td>05-735-05</td>
<td>450 - 4000 PSI</td>
<td>150 HP</td>
<td>65 GPM</td>
<td>80 GPM</td>
<td>5400 lbs</td>
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<tr>
<td></td>
<td>30 - 272 bar</td>
<td>112 kw</td>
<td>249 lpm</td>
<td>302 lpm</td>
<td>2449 kg</td>
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<tr>
<td>05-736-05</td>
<td>450 - 5000 PSI</td>
<td>200 HP</td>
<td>66 GPM</td>
<td>80 GPM</td>
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<td>30 - 340 bar</td>
<td>149 kw</td>
<td>249 lpm</td>
<td>302 lpm</td>
<td>2586 kg</td>
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**Model by Fluid Type:**  
Mil-H-5606 = 02  Mil-H-83282 = 03  Skydrol = 05

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Series 730 Hydraulic Power Unit Schematic
Ordering Instructions

Step 1: Determine Size of the Hydraulic Power Unit Required, Refer to Aircraft’s Maintenance Manual For
A. Maximum (GPM) Gallons Per Minute                      B. Maximum (PSI) Pound Per Square Inch
Step 2: Refer to Aircraft’s Maintenance Manual for Type of Hydraulic Fluid.
Step 3: Determine the input voltage the Hydraulic Power Unit will be operated on. When ordering, the most common error is selecting Incorrect input voltages, 50 Hertz the flow will be reduced by 17%
Step 4: Call A&P Hydraulics experienced sales staff for any questions for explanation of the complete range of Hydraulic Power Unit Options that we offer.

EXAMPLE:
Hydraulic Power Unit – 63 GPM @ 5000 PSI – Skydrol Fluid – 460 Volt 60 Hertz 3 Phase
Optional: 50 ft. Hoses and Return Back Pressure with Sight Glass

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