COMpletely Independent DUAL System
Hydraulic Power Unit

Independent Dual Systems will Deliver Two
Completely Separate Flows and Pressures at the Same Time

System A
- System A, Complete Flow Control (0-Full GPM)
- System A, Complete Pressure Control (250 – Full GPM)
- System A, Variable Area Flow Meter (4% Accuracy); Optional Digital Flow Meter (1% Accuracy)
- System A, Test Quality Pressure Gauge (1% Accuracy); Optional Digital Pressure Gauge (.5% Accuracy) Available

System B
- System B, Complete Flow Control (0-Full GPM)
- System B, Complete Pressure Control (250 - Full GPM)
- System B, Variable Area Flow Meter (4% Accuracy); Optional Digital Flow Meter (1% Accuracy) Available
- System B, Test Quality Pressure Gauge (1% Accuracy); Optional Digital Pressure Gauge (.5% Accuracy) Available

Model 05-746-05
Shown with Optional Digital Gauges and Heavy Duty Running Gear
Standard Features:

- Independent Dual System Includes:
  - Independent Dual Motors
  - Independent Dual Pumps
  - Independent Dual Flow Meters
  - Independent Dual Pressure Gauges
  - Independent Dual Flow and Pressure Control Valves
  - Independent, Dual By-Pass Dump Valves
  - Dual Pressure Hoses (25 Ft. Long)
  - Dual Return Hoses (25 Ft. Long)
  - 100% Duty Cycle, Will Deliver Maximum Flow @ Maximum Pressure
  - Electric Reservoir Fill Pump System
  - High Efficiency Aluminum Oil Cooler with 3 Phase Electric Fan
  - Stainless Steel Reservoir-Capacity 150% of Rated Maximum Flow
  - All Electrical Components Installed in Liquid Proof Enclosures (NEMA 4, 12)
  - Extra Capacity, Reservoir Desiccant (Water Absorbing) Breather
  - Heavy Duty All Welded Frame with Fork Lift Tubes
  - Standard 50 ft. (15.2 m) Electrical Input Cable
  - Guaranteed No Leaks, Stainless Steel Pan Completely Covers Bottom
  - Durable Laser Engraved, Aluminum Placards
  - Panel Mounted Operational Instructions
  - Current Pressure Gauge and Flow Meter Certificate of Calibration
  - Easy Access Exterior Fluid Sampling Valve to Meet Quality Parameters

- Instrumentation
  - Dual Variable Area Flow Meters (4% accuracy)
  - Optional Dual Digital Flow Meters (1% accuracy) Available
  - Dual Test Quality Pressure Gauges (1% accuracy)
  - Optional Dual Digital Pressure Gauges (.5% accuracy) Available
  - All Optional Digital Gauges Installed in Skydrol Resistant Enclosure
  - Dual Scale Pyrometer / Oil Temperature Gauge (1% accuracy)
  - Optional Digital Pyrometer / Oil Temperature Gauge Available
  - Hour Meter with Maintenance Reminder Warning Light

- Reservoir Fill Pump System
  - For Servicing Aircraft's Reservoir

- Super Clean Filtration - Industry Leading Filtration Ensures Quality While Increasing Aircraft Component Life and Decreasing Aircraft Filter Changes
  1. Oil Polishing Nano Filtration System (.25 Micron Absolute)
  2. Dual, High Efficiency, Non-Bypass Pressure Filter (3 Micron Absolute)
  3. Dual Large Capacity Return Filter (6 Micron Absolute)
  4. Dual By-Pass Filter (6 Micron Absolute)
  5. Dual, Pump Case Drain Filters (6 Micron Absolute)

- Operational Warning Lights
  1. Dual Pressure Filters Condition LED Warning Indicators for Clogged Conditions
  2. Dual Return Filters Condition LED Warning Indicators for Clogged Conditions
  3. High Fluid Temperature LED Warning Indicator
  4. Reservoir Low Level LED Warning Indicator
  5. Operational Beacon
  6. Nano Filter Condition LED Warning Indicator for Clogged Conditions
  7. Dual By-Pass Filters Condition LED Warning Indicators for Clogged Conditions
  8. Pump Cavitation Warning Light

Durable 14 Gauge Stainless Steel 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
COMpletely Independent Dual System

Hydraulic Power Unit

Specifications:

<table>
<thead>
<tr>
<th>Series Model</th>
<th>Combined Motor HP (kw)</th>
<th>System A Motor HP (kw)</th>
<th>System B Motor HP (kw)</th>
<th>Weight Lbs. (kg)</th>
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<td>298 kw</td>
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**Model by Fluid Type:  Mil-H-5606 = 02  Mil-H-83282 = 03  Skydrol = 05
Series 740 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 – 40 GPM @ 4000 PSI – Skydro Fluid – 460 Volt 60 Hertz 3 Phase
Optional: 50 ft. Hoses and Return Back Pressure with Sight Glass

Ordering Instructions
740 Series

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