

HEAVY DUTY HYDRAULIC POWER UNIT

**730
Series**

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

**2 Year
Warranty**



Model 05-736-05

- **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

HEAVY DUTY HYDRAULIC POWER UNIT

Intelligent Engineering for Today's Aerospace Maintenance Industries

Standard Features:

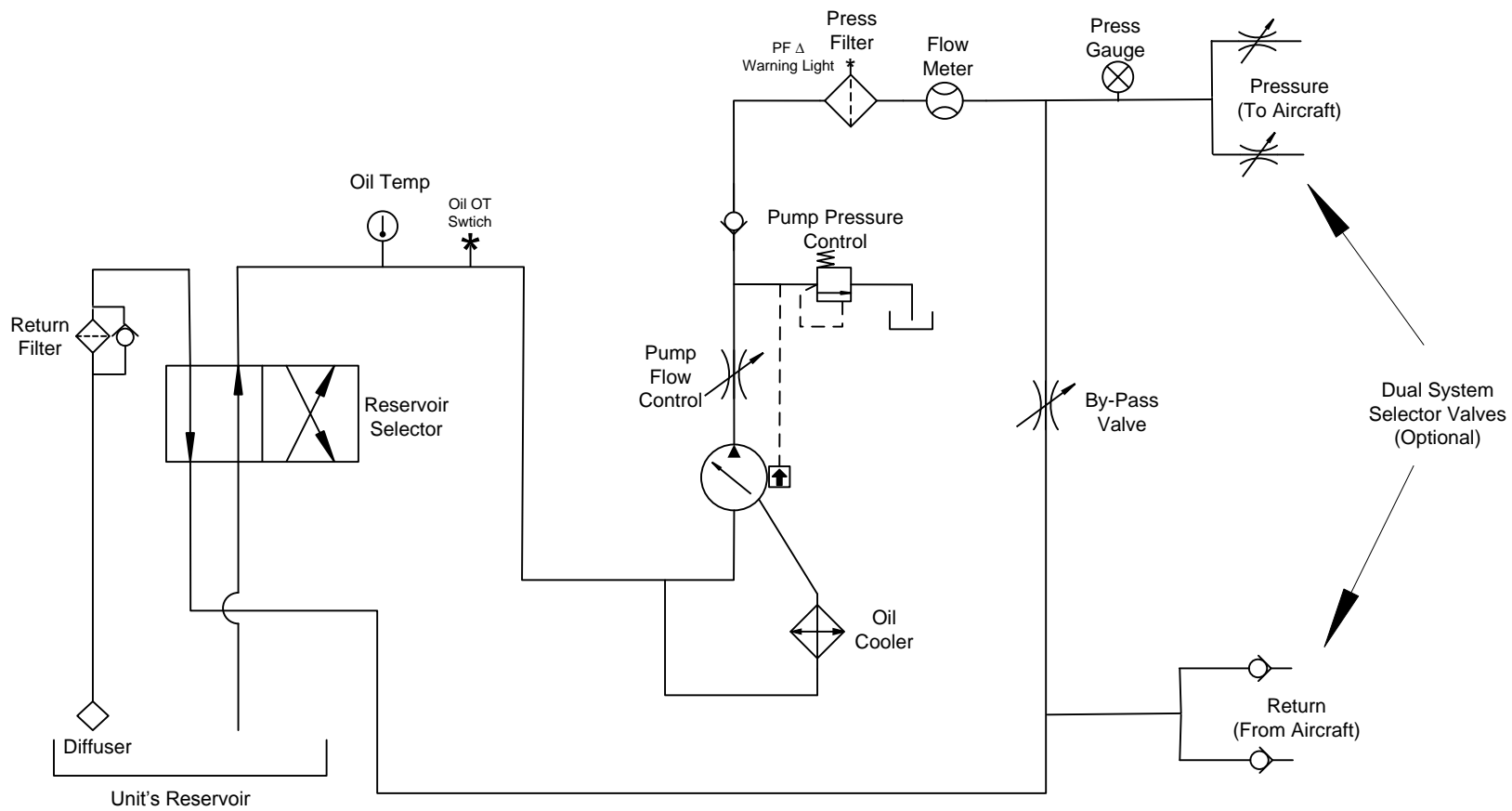
- 100% Duty Cycle, Will Deliver Maximum Flow @ Maximum Pressure
- All Welded 0.09 Aluminum Construction
- Removable Top Panels and Rear Door for Ease of Access to Unit's Components
- High Efficiency Aluminum Oil Cooler with 3 Phase Electric Fan
- Stainless Steel Reservoir (200 Gallons)
- All Electrical 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:					
SERIES MODEL	PUMP PRESSURE PSI (bar)	MOTOR HP (kw)	PUMP FLOW		WEIGHT Lbs. (kg)
			50 Hz GPM (lpm)	60 Hz GPM (lpm)	
05-732-05	450 - 3500 PSI 30 – 238 bar	100 HP 75 kw	41 GPM 157 lpm	55 GPM 208 lpm	4300 lbs 1950 kg
05-733-05	450 - 4000 PSI 30 - 272 bar	125 HP 92 kw	50 GPM 189 lpm	63 GPM 238 lpm	4500 lbs 2041 kg
05-734-05	450 - 5000 PSI 30 - 340 bar	150 HP 112 kw	50 GPM 189 lpm	63 GPM 238 lpm	5350 lbs 2426 kg
05-735-05	450 - 4000 PSI 30 - 272 bar	150 HP 112 kw	66 GPM 249 lpm	80 GPM 302 lpm	5400 lbs 2449 kg
05-736-05	450 - 5000 PSI 30 - 340 bar	200 HP 149 kw	66GPM 249 lpm	80 GPM 302 lpm	5700 lbs 2586 kg

**Model by Fluid Type: Mil-H-5606 = 02 Mil-H-83282 = 03 Skydrol = 05





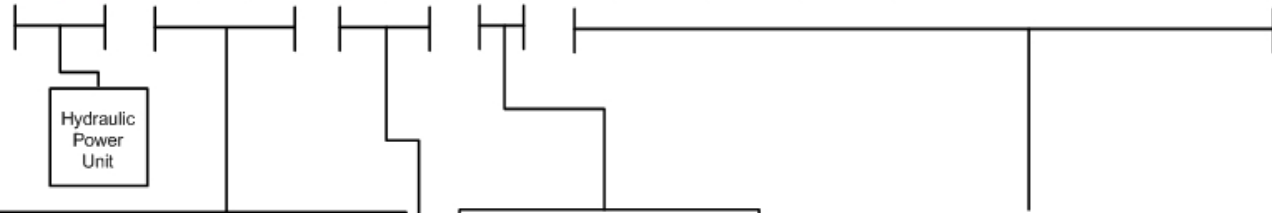
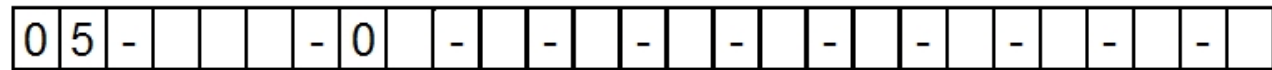
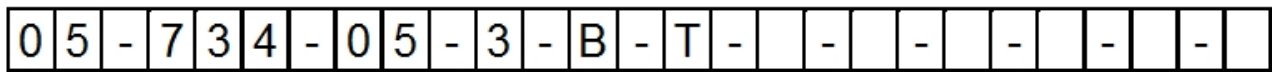
Series 730 Hydraulic Power Unit Schematic

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



CHAR	GPM	LPM	PSI	BAR	HP	KW
732	55	208	3500	238	100	75
733	63	238	4000	272	125	92
734	63	238	5000	340	150	112
735	80	302	4000	272	150	112
736	80	302	5000	340	200	149

CHAR	VOLT/FREQ/PHASE
2	308V60Hz/3ph
3	460V60Hz/3ph
4	575V60Hz/3ph
7	380V50Hz/3ph
8	415V50Hz/3ph
9	440V50Hz/3ph

CHAR	FLUID TYPE
2	Mil-H-5606
3	Mil-H-83282
5	Skydrol
6	Mil-PRF-87257

CHAR	OPTION DESCRIPTION
B	50 ft. Hoses
C	Dual System
D	Dual System w/ X-over Check
H	Voltage Monitor (308-380V)
I	Voltage Monitor (415-460V)
J	Voltage Monitor (575V)
L	Reservoir Low Level LED Indicator
M	Reservoir Hand Pump
N	Towing/Trailer Pkg.
Q	Calibration Port
T	Return Back Pressure w/ Sight Glass
U	Return Sight Glass
V	Return Back Pressure
W	Second Language Operation Placards & Owner's Manual
X	CE Compliant
Y	Custom Engineering
Z	Digital Gauges

