



# 900188 87S-5-T Hydraulic System

**Powder-Coated**



## Used For

- Hydraulic Oil
- Transmissions Oil
- Other low viscosity oil
- Use with petroleum or synthetic fluids

## Capacity, Sump Size & Flow Rate

- Requires 20 Qt./18.9 L. of makeup fluid (housing volume)
- \*\*Cold oil sump range: 37-150 Gal./140.1-567.8 L.
- \*\*Warm oil sump range: 72-260 Gal./272.5-984.2 L.
- \*\*Hot oil sump range: 165-340 Gal./624.6-1287.0 L.
- \*Flow rate range for ISO: **10-32** from .95-3.25 GPM/3.6-12.3 LPM
- \*Flow rate range for ISO **46-150** from .69-1.5 GPM/2.6-5.7 LPM

## Other Specifications

- 5 GPM 65 PSI pump (*not fluid flow rate*)
- 3/4 HP 1725 RPM motor (TEFC)
- 120 volt, single phase
- 12' heavy duty power cord
- PSI switch low limit-12, high limit-65
- Pressure gauge
- Push sample port (*located on back panel*)
- Transfer valve
- Hoses
  - Suction-3/4" ID x 10' (3/4" male NPT x 3/4" female JIC)
  - Discharge-5/8" ID x 10' (3/4" male NPT x 5/8" female JIC)
- Max operating pressure 80 PSI
- \*\*Optimal running pressure between 20-50 PSI (change filter when 50-60 PSI)

## Overall Dimensions

- 46" (H) *Plus 20" Clearance above to remove filter*
- 23" (W)
- 23" (D)
- 165 lbs./74.8 kg. shipping weight

## Notes

- \*\*Flow rates are established using ISO 10-150 viscosity oils at the standard 40° C/104° F and are subject to vary
- \*\*Viscosity, operating temperature, and generated contamination will affect sizing and flow rates of filtration equipment
- Most applications, elements need to be changed between 300-1000 hours for optimal performance, ideally change the element when the flow is half the starting flow or the PSI is double the starting PSI
- Available in stainless-steel
- Available option for water-based lubricants
- Other system configurations are available

## Recommended Elements

- Model 1002 for ISO: 10, 15, 22, 32
- Model 1004 for ISO: 46, 68, 100, 150

**Harvard Corporation is able to meet many custom requirements, please contact us with you specific custom needs**