



900382 87SG-5-T Gear System

Powder-Coated



Used For

- Gear Oil
- Other high 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: 35.4-36.2 Gal./134-137 L.
- ****Warm oil** sump range: 39.4-77 Gal./149.1-291.5 L.
- ****Hot oil** sump range: 59.2-195.2 Gal./224-738.9 L.
- *Flow rate range for **ISO: 220-320** from .5-2.5 GPM/1.89-9.5 LPM
- *Flow rate range for **ISO 460-1000** from .3-1.9 GPM/1.14-7.2 LPM

Other Specifications

- 5 GPM 65 PSI pump (*not fluid flow rate*)
- 1 HP 1140 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)
- 202lbs./91.6 kg. shipping weight

Notes

- ****Flow rates** are established using ISO 220-1000 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 1006 for ISO: 220, 320
- Model 1008 for ISO: 460, 680, 1000

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