



900383 87DG-9-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 40 Qt./37.9 L. of makeup fluid (housing volume)
- **Cold oil sump range: 70.8-72.4 Gal./268.0-274.01 L.
- **Warm oil sump range: 78.8-154 Gal./298.3-582.92 L.
- **Hot oil sump range: 118.4-390.4 Gal./448.2-1477.82 L.
- *Flow rate range for ISO: 220-320 from .5-5 GPM/1.89-18.93 LPM
- *Flow rate range for ISO 460-1000 from .3-3.9 GPM/1.14-14.76 LPM

Other Specifications

- 9 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)
- 246lbs./111.58 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

- X2 Model 1006 for ISO: 220, 320
- X2 Model 1008 for ISO: 460, 680, 1000

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