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Model Number: GCBN33V  
Shertech GCBN33V, Gear Pump

Manufacturer: Hypro Pumps

High Performance Gear Pumps

Shertech® gear pumps have various capabilities including flow rates up to 24 gpm, pressures up to 200 psi, fluid temperatures up to 400°F and viscosities up to 100,000 SSU.

Both close-coupled and pedestal-mounted pumps are offered in three materials of construction.

316 Stainless Steel can be specified for pumping clean, hard-to-transfer, high-temperature and/or highly-corrosive liquids. Cast iron and bronze meet the requirements of transferring a broad range of non-abrasive fluids, including oil and water-based fluids, respectively. Two gear types are available, spur (or straight) and helical. Spur gears provide excellent suction lift and are great for water or light oils. Helical gears have a non-clogging design and are capable of handling higher viscosity fluids.

Shertech pumps are simple in construction, with a minimum number of moving parts for less maintenance and longer life. Design features include mechanical seals, seal chambers with flush ports, oversized carbon graphite bushings, integral ball bearings and piston relief valves.

Used as Hewlett Packard External Gear Pump too.

Manufacturer Part No.  
GCBN33V Owners Manual

UNSPSC  
40151551

Manufacturer  
HYPRO LLC

#### Notes

Shertech self-priming, positive displacement, external rotary gear pumps are ideal for a wide range of intermittent and light-duty industrial, marine, agricultural, and commercial applications, providing a nearly pulseless flow. Close-coupled models are directly mounted to NEMA framed, AC ODP single-phase, thermally overload-protected motors. All models include a pressure relief valve. Motor-driven models are HP configured to handle up to 500 SSU at 100 psi (specific gravity of

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1.0). Uses: For use with non-particulate and non-abrasive fluids compatible with pump wet-end construction component materials.

- Flows to 4.4 gpm.
- Max. RPM: 1725.
- Max. PSI: 100.
- Maximum viscosity of 500 SSU at 1725 RPM (max. input torque of 45 in/lb).
- Pumps can operate bi-directionally (reversible). In reverse operation, the pressure relief valve will not function.
- Temperature ranges from -20&deg; to 210&deg;F.
- Maximum working pressure: 150 psi.

## Applications

**CARBONATOR-MOUNT CAST IRON PUMPS (INTERMITTENT DUTY)** - Specifically designed for use with oil-based fluids. Not to be used with water-based fluids. Pumps include steel spur gears with steel shafts and cast iron shaft support; standard pressure relief valves that can be ported internally or externally and a Viton® mechanical carbon/ceramic-faced seal with temperature range of 32&deg; to 280&deg;F. Wet-end parts are constructed from cast iron, steel, stainless steel (302, 303 and/or 18-8), carbon, ceramic, and Viton®.

**CARBONATOR-MOUNT BRONZE PUMPS (INTERMITTENT DUTY)** - Excellent for water-based fluids. Feature 303 stainless steel shafts, carbon graphite bushings, and Buna-N mechanical carbon/ceramic faced seal with a temperature range of -20&deg; to 210&deg;F. Standard pressure relief valves can be ported internally or externally. Wet-end parts are constructed from bronze, brass, stainless steel (302, 303 and/or 18-8), graphite, carbon, and Buna-N.

also marketed under part number(s) 0474192

Maximum Flow

4.4 gallons/min

TDH (Head) Maximum @ 0GPM

100 PSI

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Head (TDH) Maximum @ 0GPM

231 FT

HP Standard

0.5 HP

Inlet Connection Type

FNPT

Inlet

0.38 "

Outlet Connection Type

FNPT

Outlet

0.38 "

Wetted Materials

304SS

Bronze

Elastomers

Buna-Nitrile

Voltage

115/230 V

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Phase

1

Frequency

60 Hz

Motor

ODP

Motor Amps

6.8 / 3.4 A

Speed

1725 RPM

MTR Cord Length

0 FT

Self Priming

Yes

Suction Lift

3 FT

Max Operating Temp

210 °F

Viscosity

SAE 10 oil 88.00 cp 500.00 ssu

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Max. Particle Size

0.03 "

Max. Particle Hardness

2 MOH

Max. Volume of Suspended Solids

0 %

Shaft

304SS

Mechanical Seal Face

Carbon-ceramic

Mechanical Seal Type

Single

Pump Bearing

Carbon/graphite

Motor Bearings

Ball

Impeller Mat'l / Type

Bronze gears

Warranty

1 Year/s

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Applications

Flooded Suction

Coolant

Cooling

Constant Pressure

Dosing

Fuel Oil

High Pressure

PH High

8 pH

Other

Self priming with wetted gears

Country of Origin

USA

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Duty

Inter.

Weight

22 lbs

Availability: This product was added to our catalog on Friday 20 August, 2010