

Roper Pumps

A

Series



Geared for top performance, Roper Pumps' "A" Series keep your operation moving through thick and thin

## Performance by Design



The leading force behind liquids.

### Applications

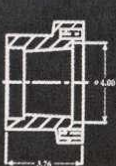
- Pressure lubrication, hydraulic service, fuel supply, fuel additives
- General transfer applications
- Handles a wide of viscosity

### Features

- Cast iron standard construction with ductile Iron as an option
- Capable of operating at nominal motor speeds
- Self priming capabilities
- Bi-rotational
- Pressures up to 300 psi
- Flows up to 59 gpm

### Options

- Packing, mechanical seal, or lip seals
- Optional internal relief valve
- Variety of mounting arrangements
- Internal sleeve bearings, lubricated by the pumped fluid, are available in a choice of materials





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## A Series

Model	Theoretical Capacity	Maximum Speed	Maximum Flow at Maximum Speed (0 Discharge Pressure)	Maximum Pressure	Port Connection
005	.0005GPR(1.9CC/REV)	3600 RPM	1.8GPM (.41 M <sup>3</sup> /HR)	300 PSI (20 Bar)	3/8"NPT
01	.001GPR(3.8 CC/REV)	3600 RPM	3.6GPM (.82 M <sup>3</sup> /HR)	300 PSI (20 Bar)	3/8"NPT
02	.002GPR(7.6 CC/REV)	3600 RPM	7.2GPM (1.6 M <sup>3</sup> /HR)	300 PSI (20 Bar)	3/8"NPT
03	.003GPR(11.4 CC/REV)	3600 RPM	10.8GPM (2.5 M <sup>3</sup> /HR)	300 PSI (20 Bar)	3/4"NPT
06	.006GPR(22.7 CC/REV)	1800 RPM	10.8GPM (2.5 M <sup>3</sup> /HR)	150 PSI (10 Bar)	1-1/4"NPT
08	.009GPR(34.1 CC/REV)	1800 RPM	16.2GPM (3.7 M <sup>3</sup> /HR)	150 PSI (10 Bar)	1-1/4"NPT
12	.013GPR(49.2 CC/REV)	1800 RPM	23.4GPM (5.3 M <sup>3</sup> /HR)	150 PSI (10 Bar)	1-1/4"NPT
16	.017GPR(64.4 CC/REV)	1800 RPM	30.6GPM (7.0 M <sup>3</sup> /HR)	150 PSI (10 Bar)	1-1/4"NPT
21	.022GPR(83.3 CC/REV)	1800 RPM	39.6GPM (9.0 M <sup>3</sup> /HR)	150 PSI (10 Bar)	1-1/2"NPT
27	.027GPR(102.2 CC/REV)	1800 RPM	48.6GPM (11.0 M <sup>3</sup> /HR)	150 PSI (10 Bar)	2"NPT
32	.033GPR(124.9 CC/REV)	1800 RPM	59.4GPM (13.5 M <sup>3</sup> /HR)	150 PSI (10 Bar)	2"NPT
40	.042GPR(159.0 CC/REV)	1800 RPM	75.6GPM (17.2 M <sup>3</sup> /HR)	150 PSI (10 Bar)	2"NPT

## Materials of Construction

	Housing	Gears	Bearings	Shaft
Options	<ul style="list-style-type: none"> <li>• Cast Iron</li> <li>• Ductile Iron</li> </ul>	<ul style="list-style-type: none"> <li>• Steel (005-03)</li> <li>• Ductile Iron (06-40)</li> </ul>	<ul style="list-style-type: none"> <li>• Bronze</li> <li>• Iron</li> <li>• Carbon</li> </ul>	<ul style="list-style-type: none"> <li>• Steel</li> </ul>

## Key Features

- Cost effective
- Bi-directional rotation
- Self priming
- Flange or foot mounted configurations
- Pressures to 300 psi
- Helical gears for quiet operation
- Options
  - Bearing materials
  - Internal relief valve

