

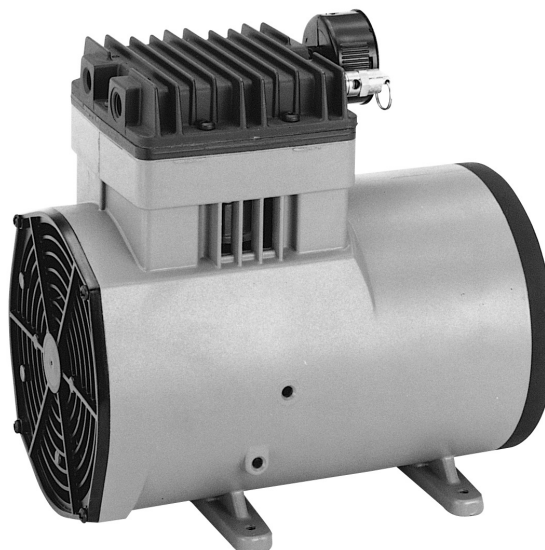


1207 SERIES

MODELS

1207PHI80

1207PK80



FEATURES

- Oil-less, non-lube piston and cylinder
- Permanently lubricated bearings
- Stainless steel valves
- Aluminum valve plates
- Lightweight die cast aluminum components
- Long-life, high performance PTFE compound piston seal
- Thin wall, hard-coated aluminum cylinder for maximum heat transfer
- Air-over-motor for maximum cooling of motor, bearings and cylinder head
- Low noise design
- Balanced for smooth, low vibration operation
- Six foot electrical cord
- Field service capability
- All wetted aluminum parts treated for corrosion protection from moisture
- All other wetted parts stainless steel
- 115 volt, UL recognized motor and thermal protector
- Pressure restart capability
- Relief valve
- Intake filter

Consult factory for custom applications

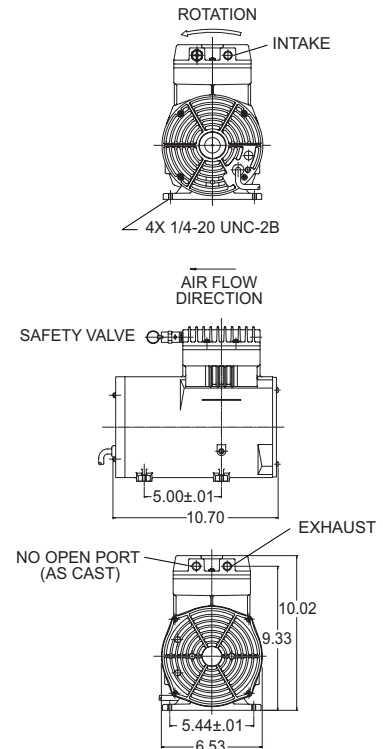
Thomas Division is an ISO 9001 registered company

THOMAS
A Gardner Denver Product

1207 Series Performance Data

1207P

| MODEL NUMBER | | 1207PHI80 | | 1207PK80 | |
|---------------------------------------|--------------------|---------------------------|-----------|-----------------|-----------|
| HEAD CONFIGURATION | | Pressure/Vacuum | | Pressure/Vacuum | |
| STROKE | | .800 Inches | | .800 Inches | |
| PRESSURE | | Flow @ 240v | | Flow @ 115v | |
| CFM @ PSI | LPM @ bar | | | | |
| PSI | bar | CFM | LPM | CFM | LPM |
| 0 | 0 | 3.12 | 88.3 | 3.78 | 107.0 |
| 5 | .5 | 2.98 | 80.4 | 3.72 | 104.6 |
| 10 | 1.0 | 2.86 | 77.0 | 3.66 | 100.8 |
| 15 | 1.5 | 2.75 | 75.9 | 3.55 | 96.2 |
| 20 | 2.0 | 2.64 | 70.6 | 3.43 | 92.3 |
| 25 | 3.0 | 2.57 | 65.1 | 3.34 | 84.6 |
| 30 | 5.0 | 2.50 | 52.4 | 3.24 | 69.4 |
| 35 | 7.0 | 2.42 | 42.0 | 3.14 | 55.6 |
| 40 | | 2.35 | | 3.04 | |
| 50 | | 2.23 | | 2.89 | |
| 60 | | 2.02 | | 2.69 | |
| 70 | | 1.82 | | 2.49 | |
| 80 | | 1.76 | | 2.33 | |
| 90 | | 1.63 | | 2.14 | |
| 100 | | 1.48 | | 1.99 | |
| 110 | | 1.33 | | 1.82 | |
| 120 | | 1.23 | | 1.62 | |
| MAX. CONTINUOUS PRESSURE | | 125 PSI | 8.6 bar | 125 PSI | 8.6 bar |
| MAX. INTERMITTENT PRESSURE | | 125 PSI | 8.6 bar | 125 PSI | 8.6 bar |
| VACUUM | | Flow @ 240v | | Flow @ 115v | |
| CFM @ IN. hg | LPM @ mbar (gauge) | | | | |
| IN. hg | mbar (gauge) | CFM | LPM | CFM | LPM |
| 0 | 0 | 2.46 | 88.3 | 3.78 | 107.0 |
| 5 | -100 | 2.27 | 72.0 | 2.60 | 87.3 |
| 10 | -200 | 1.69 | 58.1 | 1.98 | 70.4 |
| 15 | -400 | 1.08 | 40.5 | 1.30 | 49.1 |
| 20 | -600 | .47 | 22.8 | .70 | 27.6 |
| 25 | -800 | | 6.2 | .10 | 7.5 |
| MAX. VACUUM | | 23.7" hg | -803 mbar | 25.9" hg | -878 mbar |
| MAX. AMBIENT AIR TEMP. | | 104° F | 40°C | 104° F | 40°C |
| MIN. AMBIENT START TEMP. | | 50° F | 10°C | 50° F | 10°C |
| MAX. RESTART PRESSURE | | 120 PSI | 8.3 bar | 120 PSI | 8.3 bar |
| MAX. RESTART VACUUM | | 0"hg | 0 mbar | 0"hg | 0 mbar |
| MOTOR VOLTAGE/FREQUENCY | | 220-240/50/1 | | 115/60/1 | |
| MOTOR TYPE | | Permanent Split Capacitor | | Capacitor Start | |
| CURRENT AT RATED LOAD (AMPS) | | 3.5 | | 10.6 | |
| POWER AT RATED LOAD (WATTS) | | 658 | | 800 | |
| STARTING CURRENT (LOCKED ROTOR, AMPS) | | 9.8 | | 38.5 | |
| CAPACITOR VALUE | | 15 mfd | | 189/227 mfd | |
| MIN. FULL LOAD SPEED (RPM) | | 1400 | | 1700 | |
| THERMAL PROTECTOR | | Yes | | Yes | |
| NET WEIGHT | | 26 lbs. | 11.8 kg | 26 lbs. | 11.8 kg |



The information presented in this material is based on technical data and test results of nominal units. It is believed to be accurate and reliable and is offered as an aid to help in the selection of Thomas products. It is the responsibility of the user to determine the suitability of the product for his intended use and the user assumes all risk and liability whatsoever in connection therewith. Thomas Industries does not warrant, guarantee or assume any obligation or liability in connection with this information.

NOTE: Models pictured are representative of the series and do not represent a specific model number. Consult factory for detailed physical description.

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