



617 SERIES

MODELS

617CA22
617CA32
617CD22
617CD32



FEATURES

- Oil-less, non-lube piston and cylinder
- Permanently lubricated bearings
- Stainless steel valves
- Lightweight die cast aluminum components
- Long-life, high performance piston seal
- Thin wall, hard coated aluminum cylinder for maximum heat transfer
- Low noise design
- 115 Volt, UL recognized motor and thermal protector
- Balanced for smooth, low vibration operation
- Intake filter
- Six foot cord and plug assembly
- Field service capability

Declaration of documentation for applicable models available upon request

Consult factory for custom applications

Thomas Division is an ISO 9001 registered company

THOMAS
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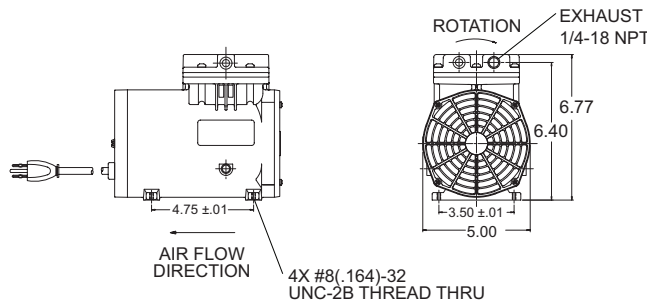
(800) 799-4568 | 3810 Prospect Ave, Ste. A, Yorba Linda, CA 92886

617 Series Performance Data

| MODEL NUMBER | | 617CA22 | | 617CA32 | | 617CD22 | | 617CD32 | |
|--|----------------------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|
| HEAD CONFIGURATION | | Pressure/Vacuum | | Pressure/Vacuum | | Pressure/Vacuum | | Pressure/Vacuum | |
| STROKE | | .220 Inches | | .320 Inches | | .220 Inches | | .320 Inches | |
| PRESSURE | | Flow @ 115v | | Flow @ 115v | | Flow @ 220v | | Flow @ 220v | |
| cfm @ psi | l/min @ bar | | | | | | | | |
| psi | bar | cfm | l/min | cfm | l/min | cfm | l/min | cfm | l/min |
| 0 | 0 | 0.78 | 22.1 | 1.22 | 34.5 | 0.69 | 19.5 | 1.01 | 28.6 |
| 10 | .5 | 0.69 | 20.2 | 1.10 | 32.1 | 0.59 | 17.5 | 0.91 | 26.5 |
| 20 | 1.0 | 0.59 | 18.3 | 0.97 | 29.5 | 0.50 | 15.6 | 0.80 | 24.4 |
| 30 | 1.5 | 0.51 | 16.3 | 0.85 | 26.9 | 0.42 | 13.8 | 0.69 | 22.1 |
| 40 | 2.0 | 0.42 | 14.7 | 0.74 | 24.4 | 0.35 | 12.1 | 0.59 | 19.8 |
| 50 | 3.0 | 0.37 | 11.4 | 0.66 | 20.2 | 0.30 | 9.4 | | |
| 60 | 5.0 | 0.31 | 6.6 | 0.56 | | 0.25 | 5.4 | | |
| 70 | 7.0 | 0.25 | 1.7 | | | 0.20 | 2.7 | | |
| 80 | | 0.18 | | | | 0.17 | | | |
| 90 | | 0.13 | | | | 0.14 | | | |
| 100 | | 0.07 | | | | 0.10 | | | |
| MAX. CONTINUOUS PRESSURE | | 100 psi | 6.9 bar | 50 psi | 3.4 bar | 100 psi | 6.9 bar | 40 psi | 2.8 bar |
| MAX. INTERMITTENT PRESSURE | | 100 psi | 6.9 bar | 60 psi | 4.2 bar | 100 psi | 6.9 bar | 40 psi | 2.8 bar |
| VACUUM | | Flow @ 115v | | Flow @ 115v | | Flow @ 220v | | Flow @ 220v | |
| cfm @ in. Hg | l/min @ mbar (gauge) | | | | | | | | |
| in. Hg | mbar (gauge) | cfm | l/min | cfm | l/min | cfm | l/min | cfm | l/min |
| 0 | 0 | 0.78 | 22.1 | 1.22 | 34.5 | 0.69 | 19.5 | 1.01 | 28.6 |
| 5 | -100 | 0.63 | 19.6 | 0.87 | 28.7 | 0.53 | 16.9 | 0.75 | 24.3 |
| 10 | -200 | 0.47 | 17.0 | 0.65 | 23.5 | 0.40 | 14.3 | 0.55 | 20.2 |
| 15 | -400 | 0.31 | 11.7 | 0.45 | 16.4 | 0.26 | 9.9 | 0.35 | 13.5 |
| 20 | -600 | 0.16 | 6.5 | 0.23 | 9.4 | 0.14 | 5.5 | 0.19 | 7.40 |
| 25 | -800 | 0.02 | 1.7 | | | | | | |
| MAX. VACUUM | | 25.6" in. Hg | -864 mbar | 26.8" in. Hg | -907 mbar | 26.1" in. Hg | -884 mbar | 26.2" in. Hg | -887 mbar |
| MAX. AMBIENT AIR TEMP. | | 104° F | 40(°C) | 104° F | 40(°C) | 104° F | 40(°C) | 104° F | 40(°C) |
| MIN. AMBIENT START TEMP. | | 50° F | 10(°C) | 50° F | 10(°C) | 50° F | 10(°C) | 50° F | 10(°C) |
| MAX. RESTART PRESSURE | | 0 psi | 0 bar | 0 psi | 0 bar | 0 psi | 0 bar | 0 psi | 0 bar |
| MAX. RESTART VACUUM | | 0" in. Hg | 0 mbar | 0" in. Hg | 0 mbar | 0" in. Hg | 0 mbar | 0" in. Hg | 0 mbar |
| MOTOR VOLTAGE/FREQUENCY | | 115/60/1 | | 115/60/1 | | 220/50/1 | | 220/50/1 | |
| MOTOR TYPE | | Shaded Pole | | Shaded Pole | | Shaded Pole | | Shaded Pole | |
| CURRENT AT RATED LOAD (AMPS) | | 3.1A | | 4.6A | | 1.3A | | 1.7A | |
| POWER AT RATED LOAD (WATTS) | | 189W | | 285W | | 174W | | 225W | |
| STARTING CURRENT (LOCKED ROTOR, AMPS) | | 5.5A | | 6.4A | | 2.1A | | 2.5A | |
| CAPACITOR VALUE | | | | | | | | | |
| MIN. FULL LOAD SPEED (RPM) | | 1540 rpm | | 1400 rpm | | 1105 rpm | | 1150 rpm | |
| THERMAL PROTECTOR | | Yes | | Yes | | Yes | | Yes | |
| NET WEIGHT | | 11 lb. | 5 (kg) | 11 lb. | 5 (kg) | 11 lb. | 5 (kg) | 11 lb. | 5 (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 Products 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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