

## **2688V SERIES**

#### **MODELS**

2688VE44 2688VGHI44 2688VS44



#### **FEATURES**

- Head design allows easily replaced piston seal
- 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
- Twin fans provide cooling air thru and around motor and cylinders
- Dual intake/exhaust manifold system for easy piping
- Balanced for smooth, low vibration operation
- Field service capability
- Inlet filter
- Capacitor
- All wetted aluminum parts treated for corrosion protection from moisture
- Patented one piece head for fewer parts and reduced leak paths
- UL recognized motor and thermal protector, 115v/60Hz models
- TUV approved, 220-240/50Hz models

Declaration documentation for applicable models available upon request

Consult factory for custom applications

Thomas Division is an ISO 9001 registered company



# **2688V Series** Performance Data

| MODEL NUMBER                          |   | 2688VE44                          |   | 2688VGHI44   |  | 2688VS44  |  |
|---------------------------------------|---|-----------------------------------|---|--|--|---|--|
| HEAD CONFIGURATION                    |   | Vacuum                            |   | Vacuum   |  | Vacuum  |  |
| STROKE                                |   | .440 Inches                       |   | .440 Inches  |  | .440 Inches   |  |
| VACUUM                                |   | Flow @ 115v 60Hz                  |   | Flow @ 220v 50Hz/230v 60Hz   |  | Flow @ 100v-50/60Hz   |  |
| CFM @ IN. hg                          | LPM @ mbar (gauge)                        |                                   |   |  |  |   |  |
| IN. hg                                | mbar (gauge)                              | CFM                               | LPM   | CFM  | LPM  | CFM   | LPM  |
| 0<br>5<br>10<br>15<br>20<br>25        | 0<br>-100<br>-200<br>-400<br>-600<br>-800 | 1.60<br>1.20<br>.98<br>.69<br>.48 | 45.3<br>38.6<br>32.9<br>24.8<br>16.3<br>7.0 | 1.36/1.60<br>1.06/1.20<br>.88/.98<br>.65/.69<br>.41/.48<br>.16/.16 | 38.5/45.3<br>35.2/38.6<br>31.4/32.9<br>22.6/24.8<br>14.7/16.3<br>7.0/7.0 | 1.36 / 1.60<br>1.06 /1.20<br>.88 / .98<br>.65 / .69<br>.41 / .48<br>.16 / .16 | 38.5 / 45.3<br>35.2 / 38.6<br>31.4 / 32.9<br>22.6 / 24.8<br>14.7 / 16.3<br>7.0 / 7.0 |
| MAX. VACUUM                           |   | 29.0" hg                          | -982 mbar                                   | 29.0" hg   | -982 mbar  | 29.0" hg  | -982 mbar  |
| MAX. AMBIENT AIR TEMP.                |   | 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   |
| MAX. RESTART PRESSURE                 |   | 0 PSI                             | 0 bar                                       | 0 PSI  | 0 bar  | 0 PSI   | 0 bar  |
| MAX. RESTART VACUUM                   |   | 0"hg                              | 0mbar                                       | 0"hg   | 0mbar  | 0"hg  | 0mbar  |
| MOTOR VOLTAGE/FREQUENCY               |   | 115/60/1                          |   | 220-240/50/1 - 230/60/1  |  | 100-50/60/1   |  |
| MOTOR TYPE                            |   | PSC                               |   | PSC  |  | PSC   |  |
| CURRENT AT RATED LOAD (AMPS)          |   | 3.2                               |   | 0.7 / 0.8 / 0.8  |  | 3.1 / 2.1   |  |
| POWER AT RATED LOAD (WATTS)           |   | 240                               |   | 135 / 155 / 160  |  | 190 / 205   |  |
| STARTING CURRENT (LOCKED ROTOR, AMPS) |   | 12.2                              |   | 3.7 / 4.1 / 3.8  |  | 12.2 / 11.3   |  |
| CAPACITOR VALUE                       |   | 7 mfd                             |   | 7 mfd  |  | 15 mfd  |  |
| MIN. FULL LOAD SPEED (RPM)            |   | 1750                              |   | 1470 / 1480 / 1750   |  | 1465 / 1756   |  |
| THERMAL PROTECTOR                     |   | Yes                               |   | Yes  |  | Yes   |  |
| NET WEIGHT                            |   | 16.4 lbs.                         | 7.4 kg                                      | 14.6 lbs.  | 6.6 kg   | 16.4 lbs.   | 7.4 kg   |

### 2688V MOTAT 108 (7.40) (7.09) (6,67) FLOW DIRECTION, ELECTRICAL CORB 8.25+.03 (9,73) 4X 8-32-UNC-2B THRU



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.

\*  $8.50 \pm .03$ , 2688VGHI44

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