



# 2807 SERIES

## MODELS

2807CE72  
2807CGHI72



## FEATURES

- Oil-less, non-lube piston and cylinder
- Permanently lubricated bearings
- Stainless steel valves and aluminum valve plate
- Lightweight die cast aluminum components
- Long-life, high performance piston seal
- Thin wall, hard coated aluminum cylinder for maximum heat transfer
- Twin fans provide cool air through and around motor and cylinders
- Low noise design
- Inlet filter
- All wetted aluminum parts treated for corrosion protection
- All other wetted parts stainless steel
- Eight foot cord and plug
- Balanced for smooth, low vibration operation
- Field service capability
- 115 volt, UL recognized motor and thermal protector

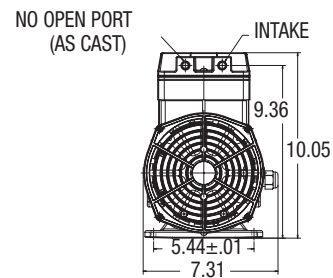
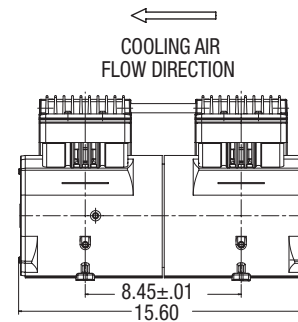
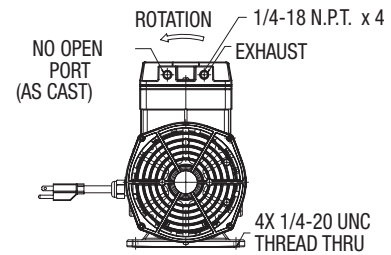
Consult factory for custom applications

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**THOMAS**  
A Gardner Denver Product

# 2807 Series Performance Data

MODEL NUMBER		2807CE72		2807CGHI72	
HEAD CONFIGURATION		Pressure/Vacuum		Pressure/Vacuum	
STROKE		.720 Inches		.720 Inches	
PRESSURE		Flow @ 115v 60Hz		Flow @ 220v 50Hz/230v 60Hz	
CFM @ PSI	LPM @ bar				
PSI	bar	CFM	LPM	CFM	LPM
0	0	6.60	186.9	5.48 / 6.60	155.2 / 186.9
10	.5	6.20	178.7	5.15 / 6.20	148.3 / 178.7
20	1.0	5.90	171.7	4.90 / 5.90	142.6 / 171.7
30	1.5	5.55	165.2	4.60 / 5.55	137.2 / 165.2
40	2.0	5.13	157.2	4.26 / 5.13	130.6 / 157.2
50	3.0	4.65	141.4	3.86 / 4.65	117.4 / 141.4
60	5.0	4.35	112.5	3.61 / 4.35	93.4 / 112.5
70	7.0	4.07	84.9	3.38 / 4.07	70.4 / 84.9
80		3.75		3.11 / 3.75	
90		3.38		2.81 / 3.38	
100		3.05		2.53 / 3.05	
110		2.75		2.28 / 2.75	
120		2.45		2.02 / 2.45	
MAX. CONTINUOUS PRESSURE		50 PSI	3.4bar	50.0 PSI	3.4 bar
MAX. INTERMITTENT PRESSURE		120.0 PSI	8.3 bar	120.0 PSI	8.3 bar
VACUUM		Flow @ 115v 60Hz		Flow @ 220v 50Hz/230v 60Hz	
CFM @ IN. hg	LPM @ mbar (gauge)				
IN. hg	mbar (gauge)	CFM	LPM	CFM	LPM
0	0	6.60	186.9	5.48 / 6.60	155.2 / 186.9
5	-100	4.30	136.7	3.66 / 4.30	125.0 / 136.7
10	-200	2.66	97.1	2.21 / 2.66	96.1 / 97.1
15	-400	1.80	66.5	1.41 / 1.80	54.4 / 66.5
20	-600	.88	36.8	.56 / .88	26.8 / 36.8
MAX. VACUUM		25.0" hg	-848 mbar	25.0" hg	-848 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		100 PSI	6.9 bar	100 PSI	6.9 bar
MAX. RESTART VACUUM		0 "hg	0 mbar	0 "hg	0 mbar
MOTOR VOLTAGE/FREQUENCY		115/60/1		220-240/50/1-230/60/1	
MOTOR TYPE		Permanent Split Capacitor		Capacitor Start	
CURRENT AT RATED LOAD (AMPS)		8.5		5.0 / 4.8	
POWER AT RATED LOAD (WATTS)		902		948 / 929	
STARTING CURRENT (LOCKED ROTOR, AMPS)		44.0		20.0	
CAPACITOR VALUE		30 mfd		30 mfd	
MIN. FULL LOAD SPEED (RPM)		1700		1425/1710	
THERMAL PROTECTOR		Yes		Yes	
NET WEIGHT		39 lbs.	17.7 kg	39 lbs.	17.7 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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