

Diaphragm



107 SERIES

230v/220v

MODELS

Standard models

107CCD18

107CGH18

*Other models based
on availability and
minimum purchase.*

107CCD14

107CGH14

107CGH20



107CCD



107CGH

FEATURES

- Oil-less operation
- Permanently lubricated bearings
- Stainless valves
- Die cast aluminum head, valve plate and diaphragm hold down plate
- Balanced for smooth, low vibration operation
- Long-life diaphragm
- Field service capability
- Inlet filter
- CE approval on all standard 220-240/50hz models
(Consult factory for non-standard models.)
- Service Kit SK107B

Consult factory for custom applications

ISO 9001
CERTIFIED

THOMAS
A Gardner Denver Product

107 Series Performance Data

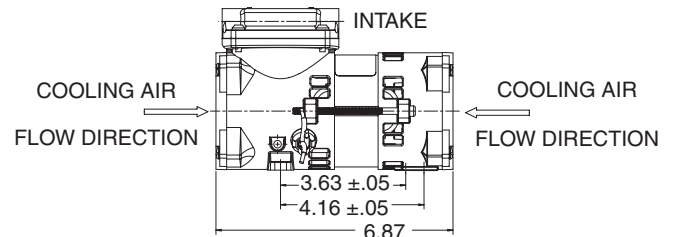
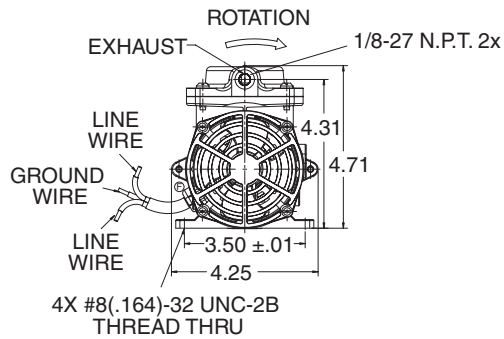
		Standard		Standard		Standard		Standard		Standard	
MODEL NUMBER		107CCD14		107CCD18		107CGH14		107CGH18		107CGH20	
HEAD CONFIGURATION		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum	
STROKE		.140 Inches		.180 Inches		.140 Inches		.180 Inches		.200 Inches	
PRESSURE		Flow @ 230v/220v		Flow @ 230v/220v		Flow @ 230v/220v		Flow @ 230v/220v		Flow @ 230v/220v	
CFM @ PSI	LPM @ bar										
PSI	bar	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM
0	0	.53 / .45	15.0 / 12.7	.65 / .55	18.4 / 15.6	.57 / .48	16.1 / 13.6	.69 / .59	20.0 / 16.7	.77 / .66	21.8 / 18.7
5	.5	.38 / .32	9.0 / 7.5	.51 / .43	13.0 / 11.0	.47 / .38	11.5 / 9.6	.63 / .52	16.3 / 13.7	.71 / .59	19.1 / 15.7
10	1.0	.24 / .20	4.5 / 3.9	.40 / .34	8.3 / 7.1	.33 / .29	6.3 / 5.7	.51 / .44	12.4 / 10.4	.63 / .51	15.3 / 11.9
15	1.5	.15 / .13	2.3 / 1.8	.28 / .24	5.2 / 4.4	.21 / .19	2.0 / 1.8	.43 / .36	8.8 / 7.4	.53 / .41	11.8 / 9.2
20	2.0	.10 / .08		.20 / .17	3.1 / 2.5	.20 / .17	3.1 / 2.5	.35 / .29	5.0 / 4.1	.44 / .35	8.7 / 6.3
25	3.0			.15 / .13		.10 / .09		.24 / .21		.37 / .28	
30				.10 / .08		.02 / .01		.16 / .13		.29 / .21	
35											
MAX. CONTINUOUS PRESSURE		20 PSI	1.4 bar	20 PSI	1.4 bar	20 PSI	1.4 bar	20 PSI	1.4 bar	20 PSI	1.4 bar
MAX. INTERMITTENT PRESSURE		20 PSI	1.4 bar	30 PSI	2.1 bar	25 PSI	1.7 bar	30 PSI	2.1 bar	30 PSI	2.1 bar
VACUUM		Flow @ 230v/220v		Flow @ 230v/220v		Flow @ 230v/220v		Flow @ 230v/220v		Flow @ 230v/220v	
CFM @ IN. hg	LPM @ mbar (gauge)										
IN. hg	mbar (gauge)	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM
0	0	.53 / .45	15.0 / 12.7	.65 / .55	18.4 / 15.6	.57 / .48	16.1 / 13.6	.69 / .59	20.0 / 16.7	.77 / .66	21.8 / 18.7
5	-100	.35 / .30	12.0 / 10.2	.48 / .40	15.6 / 13.1	.43 / .34	13.8 / 11.3	.55 / .46	17.2 / 15.0	.62 / .52	19.3 / 16.3
10	-200	.21 / .18	9.2 / 7.9	.32 / .27	12.8 / 10.7	.27 / .21	11.4 / 9.0	.38 / .31	14.7 / 12.3	.44 / .37	16.6 / 14.0
15	-400	.09 / .07	4.7 / 4.0	.18 / .15	7.6 / 6.4	.12 / .10	6.1 / 4.8	.22 / .17	9.1 / 7.3	.27 / .22	10.7 / 9.0
20	-600				3.0 / 2.4		1.1 / 1.1	.07 / .05	4.0 / 3.0	.10 / .08	5.0 / 4.1
25	-800										
MAX. VACUUM		19.0" hg	-643 mbar	22.0" hg	-746 mbar	19.9" hg	-674 mbar	22.5" hg	-762 mbar	23.8" hg	-806 mbar
MAX. AMBIENT AIR TEMP.		104° F	40°C	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	50° F	10°C
MAX. RESTART PRESSURE		0 PSI	0 bar	0 PSI	0 bar	0 PSI	0 bar	0 PSI	0 bar	0 PSI	0 bar
MAX. RESTART VACUUM		0" hg	0 mbar	0" hg	0 mbar	0" hg	0 mbar	0" hg	0 mbar	0" hg	0 mbar
MOTOR VOLTAGE/FREQUENCY		230/60/1-220/50/1		230/60/1-220/50/1		230/60/1-220/50/1		230/60/1-220/50/1		230/60/1-220/50/1	
MOTOR TYPE		Shaded Pole		Shaded Pole		Perm. Split Capacitor		Perm. Split Capacitor		Perm. Split Capacitor	
CURRENT AT RATED LOAD (AMPS)		.7 / .9		.8 / 1.0		.53 / .51		.60 / .62		.65 / .65	
POWER AT RATED LOAD (WATTS)		90 / 100		100 / 120		102 / 99		119 / 125		132 / 133	
STARTING CURRENT (LOCKED ROTOR, AMPS)		1.2		1.2		83 / .93		.83 / .93		.83 / .93	
CAPACITOR VALUE						5 mfd		5 mfd		5 mfd	
MIN. FULL LOAD SPEED (RPM)		1700 / 1390		1620 / 1220		1750 / 1450		1695 / 1340		1620 / 1210	
THERMAL PROTECTOR		Yes		Yes		Yes		Yes		Yes	
NET WEIGHT		5.1 lbs.	2.3 Kg	5.1 lbs.	2.3 Kg	6 lbs.	2.7 Kg	6 lbs.	2.7 Kg	6 lbs.	2.7 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.

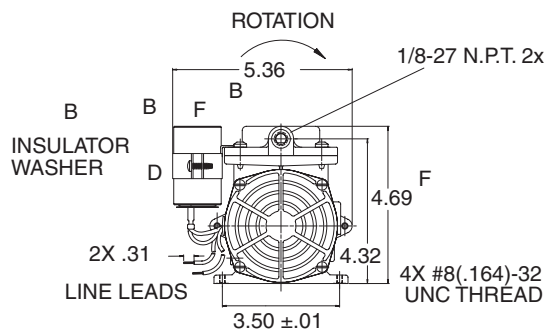
Dimensions

107CCD

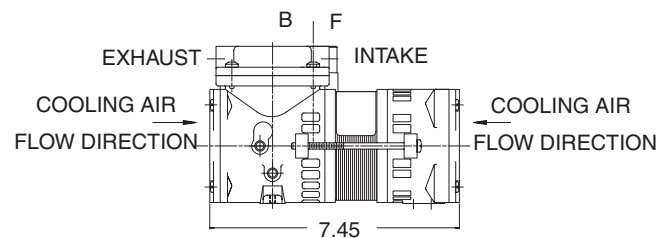


107CGH

CAPACITOR HEIGHT
FLUSH TO HEAD, ± .25"



CAPACITOR LEADS
2X 605215 FEMALE
QUICK DISCONNECTS
(.250 X .032 TABS)





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