

DIAPHRAGM

Pumps & Compressors 007 & 008 Series

MODELS:

Standard models available.

008CA13, 008CDU13, 007CDC13

Other models based on availability and minimum purchase.

FEATURES:

- Single cylinder
- Oil-less operation
- Quiet, low pulsating head design
- Permanently lubricated bearings
- Reinforced plastic head and connecting rod assemblies
- Balanced for smooth, low vibration operation
- Long-life diaphragms
- Barb fittings for 1/4" I.D. tubing
- 1/8-27 NPT (007BDC19 only)
- 115v, UL recognized motor and thermal protector (AC only)
- CE approval on all standard 220-240/50hz models
(Consult factory for non-standard models)

Consult factory for custom applications

DIMENSIONS:

Millimeters are in ()



008CA13
008CD13

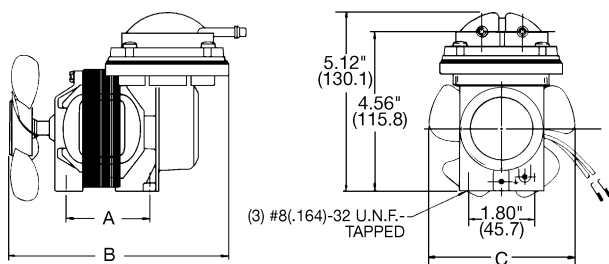


007CDC13
007CDC19



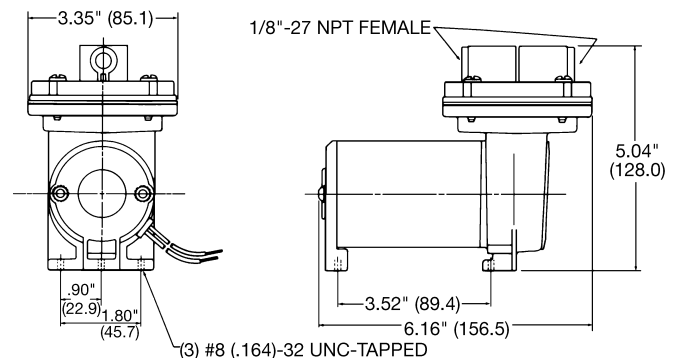
007BDC19

**ISO 9001
CERTIFIED**

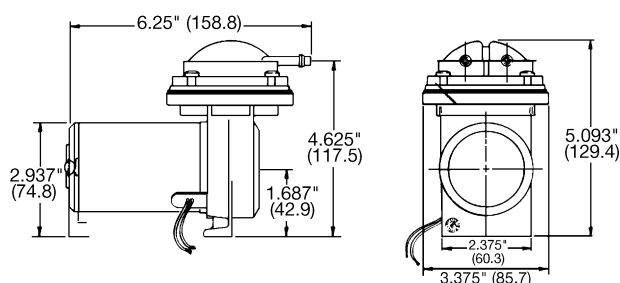


007CA, CD

MODEL NO.	A IN. / MM	B IN. / MM	C IN. / MM
008CA13	2.20 / 55.88	6.00 / 152.40	3.50 / 89.0
008CDU13	2.45 / 62.23	6.00 / 152.40	4.00 / 101.6



007BDC

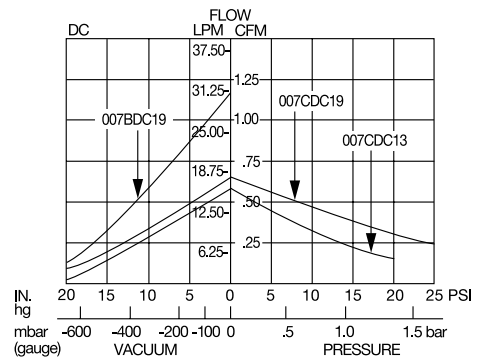
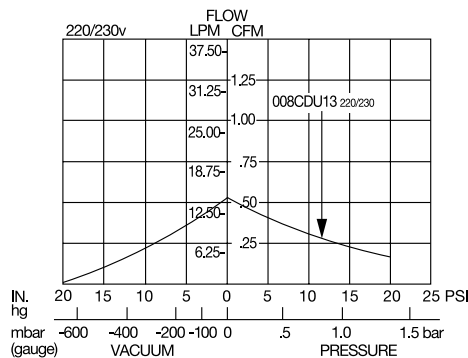
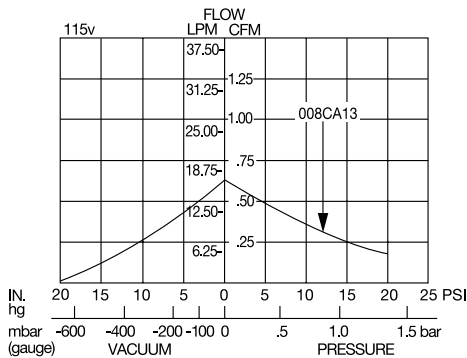


007CDC

THOMAS
PUMPS & COMPRESSORS

007 & 008 SERIES PERFORMANCE DATA:

		STANDARD		STANDARD		STANDARD					
MODEL NUMBER:		008CA13		008CDU13		007CDC13		007CDC19		007BDC19	
HEAD CONFIGURATION:		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum		Vacuum Only	
STROKE:		.130 Inches		.130 Inches		.130 Inches		.190 Inches		.190 Inches	
PRESSURE:		Flow @ 115v		Flow @ 220/230v		Flow @ 12v		Flow @ 12v			
CFM @ PSI	LPM @ bar										
PSI	bar	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM		
0	0	.65	18.4	.52/.52	14.7/14.7	.60	17.0	.65	18.4		
5	.5	.50	12.3	.42/.42	10.7/10.7	.45	11.3	.61	15.9		
10	1.0	.36	7.6	.33/.33	7.0/7.0	.34	7.3	.50	11.9		
15	1.5	.26	3.9	.24/.24	4.1/4.1	.25	3.3	.41	8.3		
20	2.0	.17		.17/.17		.15		.32	5.0		
25	3.0							.24			
MAX. CONTINUOUS PRESSURE:		15 PSI	1.0 bar	15 PSI	1.0 bar	15 PSI	1.0 bar	15 PSI	1.0 bar		
MAX. INTERMITTENT PRESSURE:		20 PSI	1.4 bar	20 PSI	1.4 bar	20 PSI	1.4 bar	25 PSI	1.7 bar		
VACUUM:		Flow @ 115v		Flow @ 220/230v		Flow @ 12v		Flow @ 12v		Flow @ 12v	
CFM @ IN. hg	LPM @ mbar (gauge)										
IN. hg	mbar (gauge)	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM
0	0	.65	18.4	.52/.52	14.7/14.7	.60	17.0	.65	18.4	1.15	32.5
5	-100	.41	14.3	.35/.35	11.8/11.8	.38	13.3	.48	15.6	.75	25.8
10	-200	.27	10.8	.22/.22	9.2/9.2	.24	10.0	.34	12.9	.55	20.2
15	-400	.13	6.2	.09/.09	4.8/4.8	.12	5.6	.21	7.4	.34	13.4
20	-600	.01	1.8	.01/.01	1.3/1.3		1.5			.15	6.7
MAX. VACUUM:		20.6" hg	-698 mbar	20.6" hg	-698 mbar	20" hg	-678 mbar	23" hg	-780 mbar	23" hg	-780 mbr
MAX. AMBIENT TEMPERATURE:		104°F	40°C	104°F	40°C	104°F	40°C	104°F	40°C	104°F	40°C
MIN. AMBIENT TEMPERATURE:		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	20 PSI	1.4 bar	25 PSI	1.7 bar		
MAX. RESTART VACUUM:		0" hg	0 mbar	0" hg	0 mbar	20" hg	-678 mbar	23" hg	-780 mbar	23" hg	-780 mbar
MOTOR VOLTAGE/FREQUENCY:		115/60/1		220/50/1-230/50/1		12v DC		12v		12v	
HORSEPOWER:		1/30		1/30		1/32		1/32		1/32	
MOTOR TYPE:		Shaded Pole		Shaded Pole		Permanent Magnet		Permanent Magnet		Permanent Magnet	
CURRENT AT RATED LOAD (AMPS):		2.0		.7/.7		2.8		3.8		3.8	
POWER AT RATED LOAD (WATTS):		130		95/100							
STARTING CURRENT (LOCKED ROTOR, AMPS):		2.8		1.1/1.2		36		36		36	
INSULATION CLASS:		B		B		F		F		F	
MIN. FULL LOAD SPEED (RPM):		3300		2650/2700		2800		2800		2800	
THERMAL PROTECTOR:		Yes		Yes		No		No		No	
NET WEIGHT:		2.5 lbs.	1.1 kg	3 lbs.	1.3 kg	2.9 lbs.	1.3 kg	2.9 lbs.	1.3 kg	2.9 lbs.	1.3 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.