

MINIATURE DIAPHRAGM

Pumps and Compressors

7006 Series

MODELS:

Standard models available.

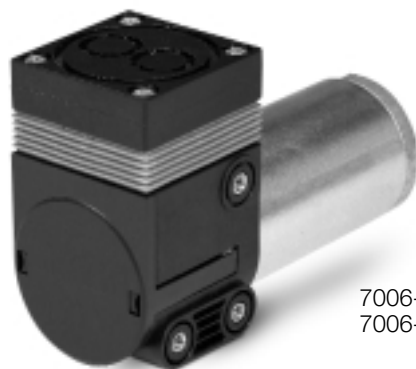
7006-0065, 7006-0054, 7006-0057, 7006-0063

Other models based on availability and minimum purchase.

FEATURES:

- Oil-less
- High end vacuum
- Molded diaphragm
- Threaded head ports
- Low vibration
- Vertical or horizontal mounting
- Fully enclosed crankcase

Consult factory for custom applications



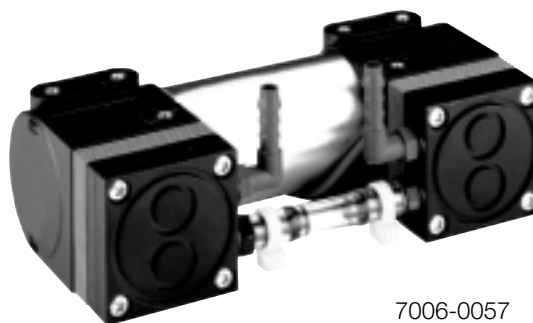
7006-0065
7006-0066



7006-0063



7006-0054
7006-0055

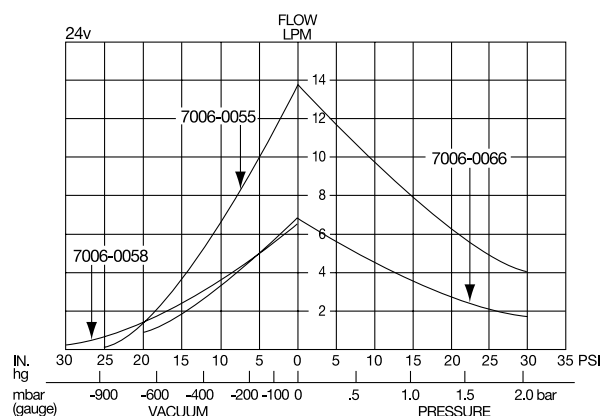
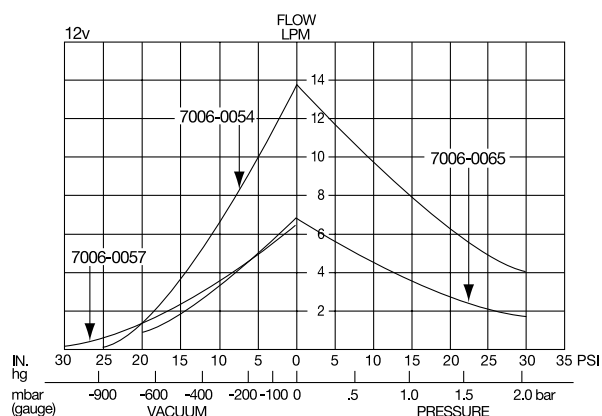


7006-0057
7006-0058

Note: 7006-0054 ports indicated on line drawing.

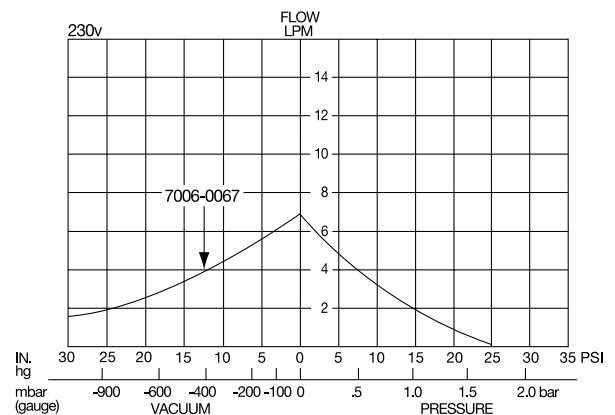
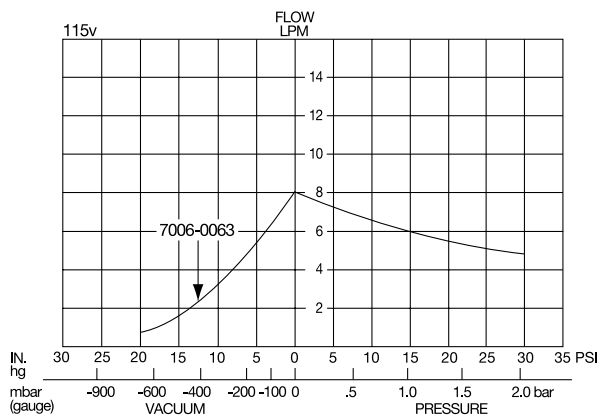
7006 SERIES PERFORMANCE DATA:

		STANDARD				STANDARD			
MODEL DESCRIPTION:		7006-2.3 E		7006-2.3 E		7006ZP-2.3 E		7006ZP-2.3 E	
COMPRESSOR ARTICLE NUMBER:		7006-0065		7006-0066		7006-0054		7006-0055	
HEAD CONFIGURATION:		Pressure/Vacuum-1/8" NPT		Pressure/Vacuum-1/8" NPT		Pressure-Parallel -G 1/8		Pressure-Parallel -G 1/8	
PRESSURE:		Flow @ 12v		Flow @ 24v		Flow @ 12v		Flow @ 24v	
LPM @ PSI	LPM @ bar								
PSI	bar	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM
0	0	7.2	7.2	7.2	7.2	13.8	13.8	13.8	13.8
5	.25	6.8	6.2	6.8	6.2	12.5	11.1	12.5	11.1
10	.50	5.0	5.3	5.0	5.3	8.0	9.4	8.0	9.4
15	.75	3.9	4.5	3.9	4.5	7.1	8.1	7.1	8.1
20	1.00	2.9	3.9	2.9	3.9	5.7	7.1	5.7	7.1
25	1.25	2.4	3.3	2.4	3.3	4.8	6.2	4.8	6.2
30	1.50	1.8	2.8	1.8	2.8	4.1	5.5	4.1	5.5
	1.75		2.4		2.4		4.7		4.7
	2.00		1.9		1.9		4.1		4.1
	2.25		1.4		1.4		3.5		3.5
MAX. CONTINUOUS PRESSURE:		12 PSI	.8 bar	12 PSI	.8 bar	12 PSI	.8 bar	12 PSI	.8 bar
MAX. INTERMITTENT PRESSURE:		36 PSI	2.5 bar	36 PSI	2.5 bar	36 PSI	2.5 bar	36 PSI	2.5 bar
MAX. RESTART PRESSURE:		36 PSI	2.5 bar	36 PSI	2.5 bar	36 PSI	2.5 bar	36 PSI	2.5 bar
VACUUM:		Flow @ 12v		Flow @ 24v		Flow @ 12v		Flow @ 24v	
LPM @ IN. hg	LPM @ mbar (gauge)								
IN. hg	mbar (gauge)	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM
0	0	7.2	7.2	7.2	7.2	13.8	13.8	13.8	13.8
5	-100	5.0	5.3	5.0	5.3	12.0	10.6	12.0	10.6
10	-200	3.1	4.4	3.1	4.4	6.4	8.6	6.4	8.6
15	-300	1.8	3.5	1.8	3.5	3.6	6.8	3.6	6.8
20	-400	0.9	2.7	0.9	2.7	2.0	5.3	2.0	5.3
25	-500		1.9		1.9	0.2	3.7	0.2	3.7
	-600		1.2		1.2		2.8		2.8
	-700		0.7		0.7		1.5		1.5
	-800		0.3		0.3		0.9		0.9
MAX. VACUUM:		25.1" hg	-850 mbar	25.1" hg	-850 mbar	25.1" hg	-850 mbar	25.1" hg	-850 mbar
MAX. RESTART VACUUM:		25.1" hg	-850 mbar	25.1" hg	-850 mbar	25.1" hg	-850 mbar	25.1" hg	-850 mbar
MAX. AMBIENT TEMPERATURE:		122°F	50°C	122°F	50°C	122°F	50°C	122°F	50°C
MIN. AMBIENT TEMPERATURE:		50°F	10°C	50°F	10°C	50°F	10°C	50°F	10°C
MOTOR TYPE:		PM		PM		PM		PM	
MOTOR VOLTAGE:		12v		24v		12v		24v	
CURRENT AT RATED LOAD (AMPS):		2.3		1.15		3.7		2.0	
STARTING CURRENT (LOCKED ROTOR AMPS):		5.4		2.7		18		11	
POWER CONSUMPTION (WATTS):		28		28		48		48	
MIN. FULL LOAD SPEED (RPM):		2800		2800		2800		2800	
INSULATION CLASS:		B		B		B		B	
NET WEIGHT:		1.3 lbs.	.6 Kg	1.3 lbs.	.6 Kg	2.0 lbs.	.9 Kg	2.0 lbs.	.9 Kg



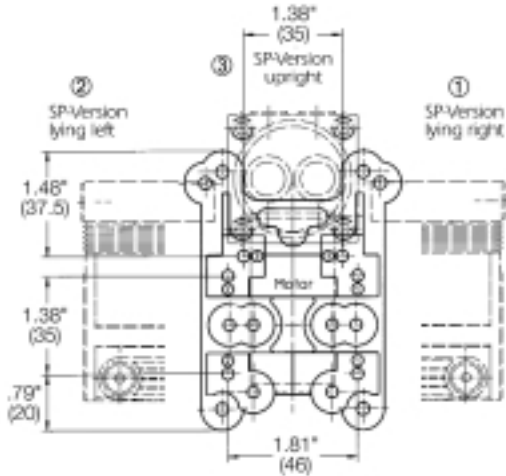
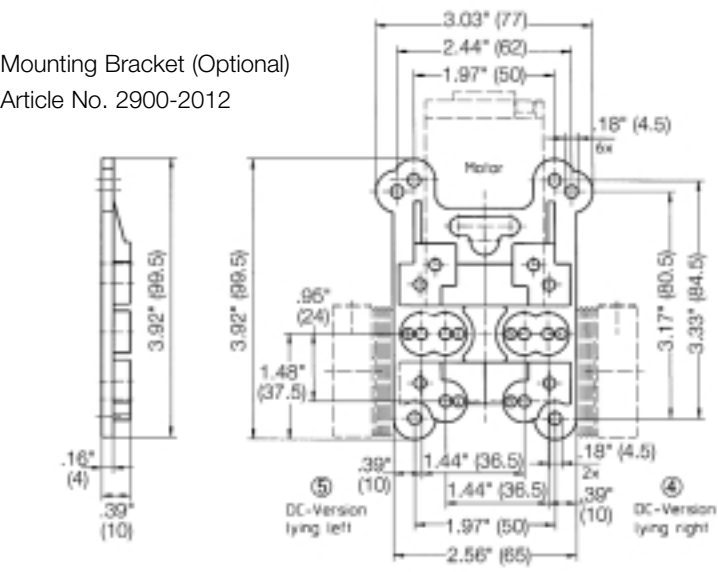
7006 SERIES PERFORMANCE DATA:

		STANDARD		STANDARD		STANDARD		STANDARD	
MODEL DESCRIPTION:		7006ZVR-2.3 E		7006ZVR-2.3 E		7006-2.3 E		7006-2.3 E	
COMPRESSOR ARTICLE NUMBER:		7006-0057		7006-0058		7006-0063		7006-0067	
HEAD CONFIGURATION:		Vacuum -Series-G 1/8		Vacuum -Series-G 1/8		Pressure/Vacuum-1/8" NPT		Pressure/Vacuum-1/8" NPT	
PRESSURE:		Flow @ 12v		Flow @ 24v		Flow @ 115v		Flow @ 230v	
LPM @ PSI	LPM @ bar					LPM	LPM	LPM	LPM
PSI	bar								
0	0					8.1	8.1	6.6	6.6
5	.25					7.0	7.5	5.4	5/5
10	.50					6.4	6.8	4.4	4.7
15	.75					5.8	6.2	3.6	4.0
20	1.00					4.6	5.8	2.8	3.5
25	1.25					3.5	4.9	2.3	3.0
30	1.50					3.0	4.3	1.8	2.6
	1.75						3.4		2.2
	2.00						3.0		1.8
	2.25						2.2		1.4
MAX. CONTINUOUS PRESSURE:						12 PSI	.8 bar	12 PSI	8 bar
MAX. INTERMITTENT PRESSURE:						36 PSI	2.5 bar	36 PSI	2.5 bar
MAX. RESTART PRESSURE:						0 PSI	0 bar	0 PSI	0 bar
VACUUM:		Flow @ 12v		Flow @ 24v		Flow @ 115v		Flow @ 230v	
LPM @ IN. hg	LPM @ mbar (gauge)								
IN. hg	mbar (gauge)	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM
0	0	6.6	6.6	6.6	6.6	8.1	8.1	6.6	6.6
5	-100	5.8	5.7	5.8	5.7	5.8	6.2	4.8	5.2
10	-200	3.7	4.8	3.7	4.8	3.7	5.1	3.1	4.2
15	-300	2.4	4.0	2.4	4.0	2.1	4.0	1.9	3.4
20	-400	1.3	3.2	1.3	3.2	1.0	3.1	1.0	2.6
25	-500	0.5	2.5	0.5	2.5		2.2	0.1	1.9
	-600		1.9		1.9		1.4		1.2
	-700		1.2		1.2		0.6		0.7
	-800		0.7		0.7				0.3
	-900		0.3		0.3				
MAX. VACUUM:		28.4" hg	50 mbar abs.	28.4" hg	50 mbar abs.	23.7" hg	-800 mbar	25.1" hg	-850 mbar
MAX. RESTART VACUUM:		28.4" hg	50 mbar abs.	28.4" hg	50 mbar abs.	0" hg	0 mbar	0" hg	0 mbar
MAX. AMBIENT TEMPERATURE:		122°F	50°C	122°F	50°C	122°F	50°C	32°F	0°C
MIN. AMBIENT TEMPERATURE:		50°F	10°C	50°F	10°C	50°F	10°C	105°F	40°C
MOTOR TYPE:		PM		PM		Shaded Pole		Shaded Pole	
MOTOR VOLTAGE:		12v		24v		115/60		230/50	
CURRENT AT RATED LOAD (AMPS):		3.7		2.0		0.9		0.4	
STARTING CURRENT (LOCKED ROTOR AMPS):		18		11		1.4		0.7	
POWER CONSUMPTION (WATTS):		48		48		62		20	
MIN. FULL LOAD SPEED (RPM):		2800		2800		2500			
INSULATION CLASS:		B		B		F		F	
NET WEIGHT:		2.0 lbs.	.9 Kg	2.0 lbs.	.9 Kg	2.1 lbs.	.96 Kg	2.4 lbs.	1.05 kg

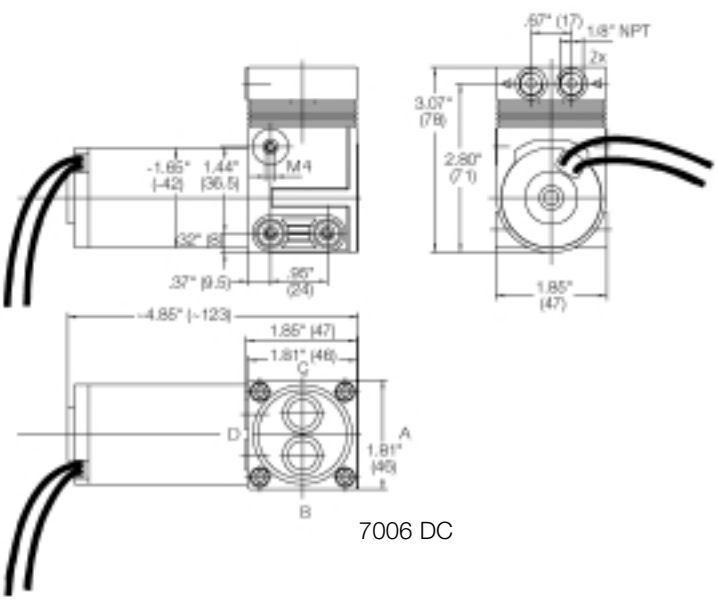


DIMENSIONS: Millimeters are in ()

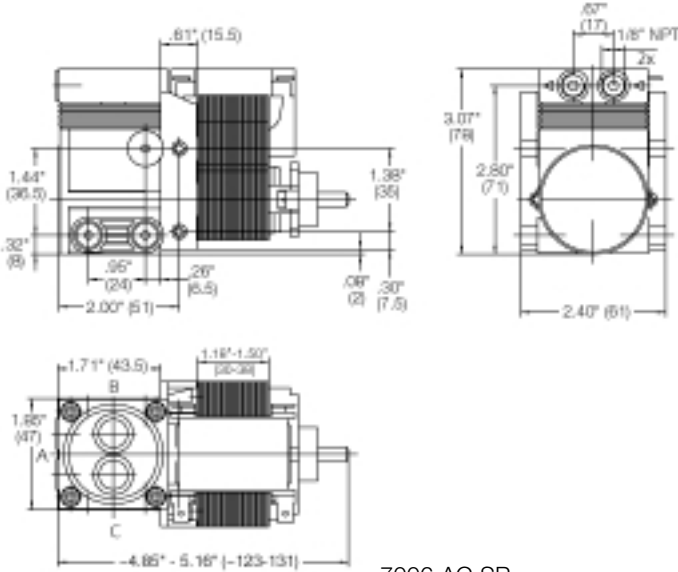
Mounting Bracket (Optional)
Article No. 2900-2012



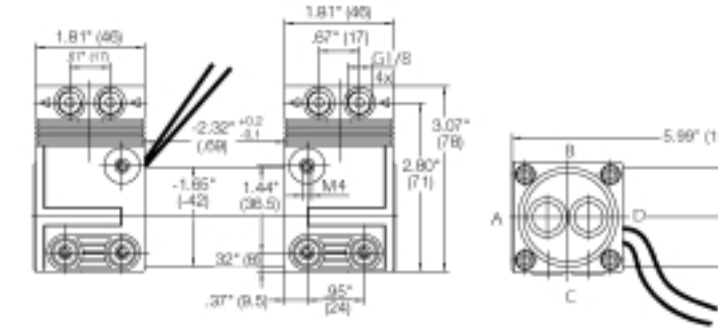
	Pump Type	Option
①	7006 SP-Motor	Lying Right
②	7006 SP-Motor	Lying Left
③	7006 SP-Motor	Upright
④	7006 DC-Motor	Lying Right
⑤	7006 DC-Motor	Lying Left



7006 DC



7006 AC SP



7006Z DC

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.