

MINIATURE DIAPHRAGM

Pumps and Compressors

7010 Series AC & DC

MODELS:

Standard models available.

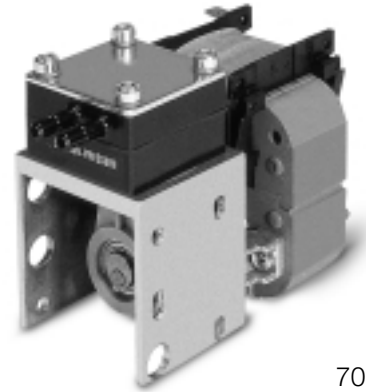
7010-1773, 7010-1792

Other models based on availability and minimum purchase.

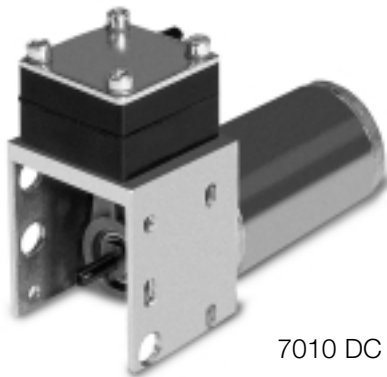
FEATURES:

- Oil-less
- Maintenance free
- Low noise level
- Restart capability against pressure or vacuum
- Wide range of wetted parts
- Optional integrated pressure switch
- High efficiency

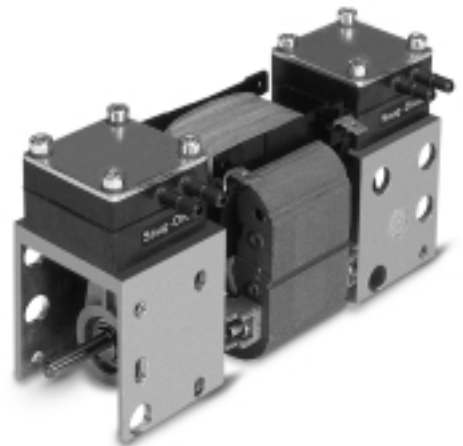
Consult factory for custom applications



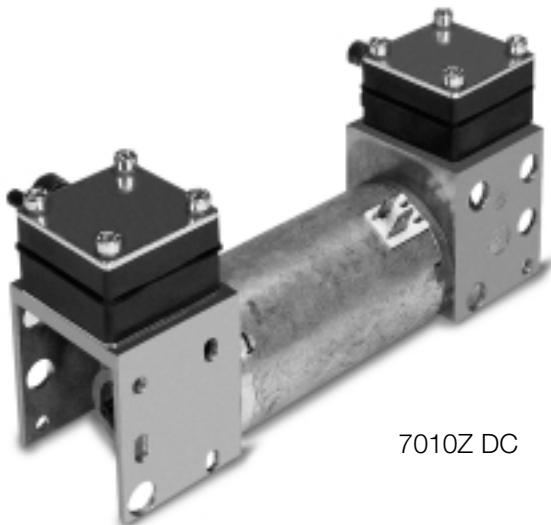
7010 AC



7010 DC



7010Z AC



7010Z DC

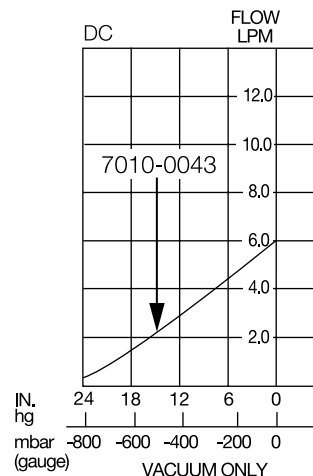
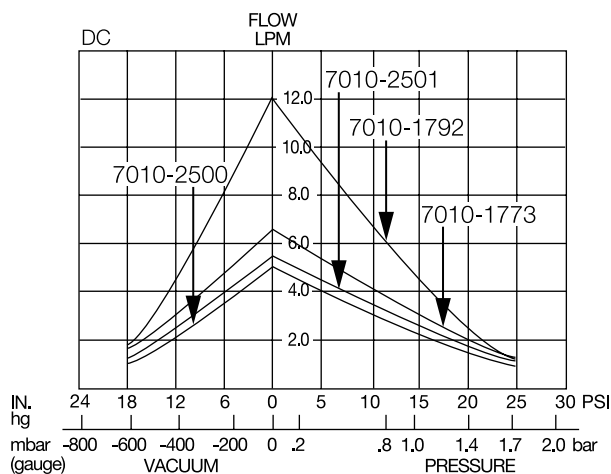
ISO 9001
CERTIFIED

 **THOMAS**
PUMPS & COMPRESSORS

7010 DC SERIES PERFORMANCE DATA:

MODEL DESCRIPTION:	7010/18-1.7		7010/18-1.9		7010DV/18-2.2		7010ZVDP/18-2.2		7010ZV/18-2.2	
COMPRESSOR ARTICLE NO.:	12V 24V	7010-2500 7010-2512	7010-2501 7010-2513		7010-1773-STANDARD 7010-2514-STANDARD		7010-1792-STANDARD* 7010-2133-STANDARD*		— 7010-0043	
HEAD CONFIGURATION:	D ø5mm x 15mm		D ø5mm x 15mm		D ø5mm x 15mm		CB ø5mm x 15mm		CB ø5mm x 15mm	
PRESSURE:	Flow @ 12v / 24v		Flow @ 12v / 24v		Flow @ 12v / 24v		Flow @ 12v / 24v			
LPM @ PSI	LPM @ bar									
PSI	bar		LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM
0	0		5.2	5.2	5.6	5.6	6.5	6.5	12.0	12.0
5	.2		4.0	4.4	4.2	4.8	4.7	5.5	8.3	10.0
10	.4		2.7	3.7	3.1	4.0	3.3	4.5	6.2	8.1
15	.6		1.7	2.9	2.2	3.3	2.2	3.6	3.8	6.4
20	.8		1.3	2.3	1.7	2.7	1.9	2.9	2.5	5.1
25	1.0		.8	1.7	1.2	2.2	1.4	2.2	1.3	3.8
	1.4			1.3		1.7		1.9		2.5
	1.7			.8		1.2		1.4		1.3
MAX. CONTINUOUS PRESSURE:	15 PSI		1.0 bar		15 PSI		1.0 bar		12 PSI	
MAX. INTERMITTENT PRESSURE:	28 PSI		1.9 bar		28 PSI		1.9 bar		32 PSI	
VACUUM:	Flow @ 12v / 24v		Flow @ 12v / 24v		Flow @ 12v / 24v		Flow @ 12v / 24v		Flow @ 12v / 24v	
LPM @ IN. hg	LPM @ mbar (gauge)									
IN. hg	mbar (gauge)		LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM
0	0		5.2	5.2	5.6	5.6	6.5	6.5	12.0	12.0
5	-200		3.1	2.8	3.6	3.3	4.1	3.7	9.0	8.0
10	-400		2.0	1.5	2.2	1.8	2.9	2.2	5.9	4.5
15	-600		1.4	1.0	1.8	1.3	1.9	1.6	3.1	1.7
20	-800		.8		.9		1.1		1.4	
25									.8	
MAX. VACUUM:	20.1" hg		-680 mbar		21.3" hg		-720 mbar		21.6" hg	
MAX. CONTINUOUS VACUUM:	20.1" hg		-680 mbar		21.3" hg		-720 mbar		21.5" hg	
AMBIENT TEMPERATURE:	32°-122°F		0°-50°C		32°-122°F		0°-50°C		32°-104°F	
MOTOR TYPE:	Permanent Magnet		Permanent Magnet		Permanent Magnet		DC		DC	
MOTOR VOLTAGE:	12v / 24v		12v / 24v		12v / 24v		12v / 24v		24v	
POWER CONSUMPTION (WATTS):	9.2		10		13		29		29	
INSULATION CLASS:	E		E		E		E		E	
WEIGHT:	1.3 lbs.		.6 Kg		1.3 lbs.		.6 Kg		1.6 lbs.	

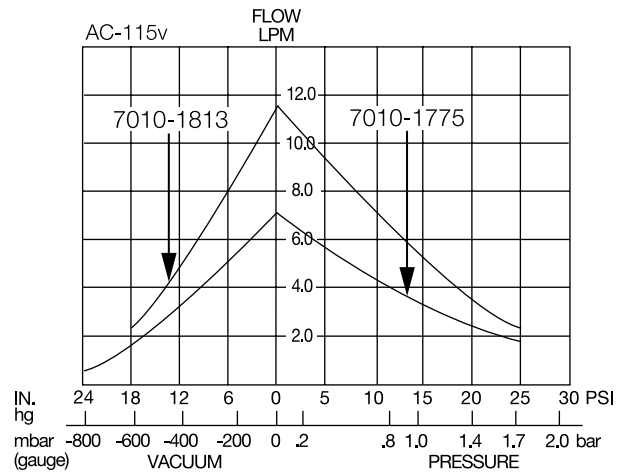
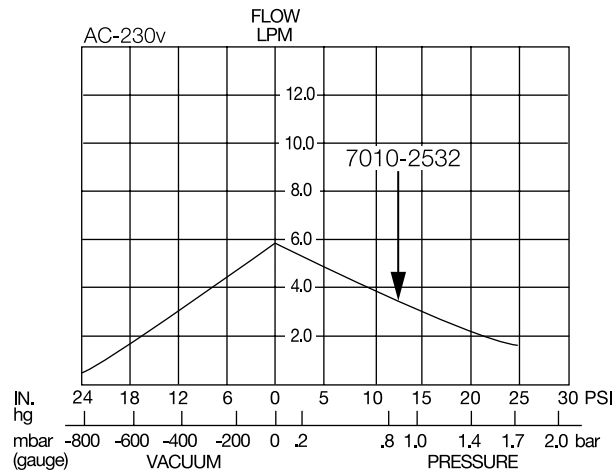
* = 2 twin models



7010 AC SERIES PERFORMANCE DATA:

MODEL DESCRIPTION:		7010DV/18-2.2		7010DV/18-2.2		7010ZVDP/18-2.2	
COMPRESSOR ARTICLE NO.:		7010-2532		7010-1775		7010-1813*	
HEAD CONFIGURATION:		A ø5mm x 15mm		A ø5mm x 15mm		CB ø5mm x 15mm	
PRESSURE:		Flow @ 230v		Flow @ 115v		Flow @ 115v	
LPM @ PSI	LPM @ bar						
PSI	bar	LPM	LPM	LPM	LPM	LPM	LPM
0	0	5.8	5.8	6.2	6.2	12.5	12.5
5	.2	4.7	5.0	5.0	5.5	9.2	10.4
10	.4	3.3	4.3	3.8	4.7	8.0	8.8
15	.6	2.5	3.6	2.9	4.1	4.3	7.2
20	.8	2.0	3.0	2.4	3.5	3.0	5.8
25	1.0	1.5	2.5	1.8	2.9	2.2	4.3
	1.4		2.0		2.4		3.0
	1.7		1.5		1.8		2.2
MAX. CONTINUOUS PRESSURE:		17 PSI	1.2 bar	17 PSI	1.2 bar	12 PSI	0.8 bar
MAX. INTERMITTENT PRESSURE:		33 PSI	2.3 bar	33 PSI	2.3 bar	33 PSI	2.3 bar
VACUUM:		Flow @ 230v		Flow @ 115v		Flow @ 115v	
LPM @ IN. hg	LPM @ mbar (gauge)						
IN. hg	mbar (gauge)	LPM	LPM	LPM	LPM	LPM	LPM
0	0	5.8	5.8	6.2	6.2	12.5	12.5
5	-200	3.9	3.5	4.6	4.2	9.2	8.4
10	-400	2.6	2.1	3.0	2.5	6.9	5.0
15	-600	1.0	.9	1.2	1.1	3.8	2.2
20	-800	.5	.3	.7	.4	2.1	
MAX. VACUUM:		23.1" hg	-780 mbar	23.1" hg	-780 mbar	22.2" hg	-750 mbar
MAX. CONTINUOUS VACUUM:		23.1" hg	-780 mbar	23.1" hg	-780 mbar	22.2" hg	-750 mbar
MAX. RESTART VACUUM:						0" hg	0 mbar
AMBIENT TEMPERATURE:		59°-104°F	15°-40°C	59°-104°F	15°-40°C	32°-104°F	0°-40°C
MOTOR TYPE:		Shaded Pole		Shaded Pole		Shaded Pole	
MOTOR VOLTAGE:		230/50/1		115/60/1		115/60/1	
POWER CONSUMPTION (WATTS):		52		52		60	
INSULATION CLASS:		E		E		E	
WEIGHT:		2.2 lbs.	1 Kg	2.2 lbs.	1 Kg	3.3 lbs.	1.5 Kg

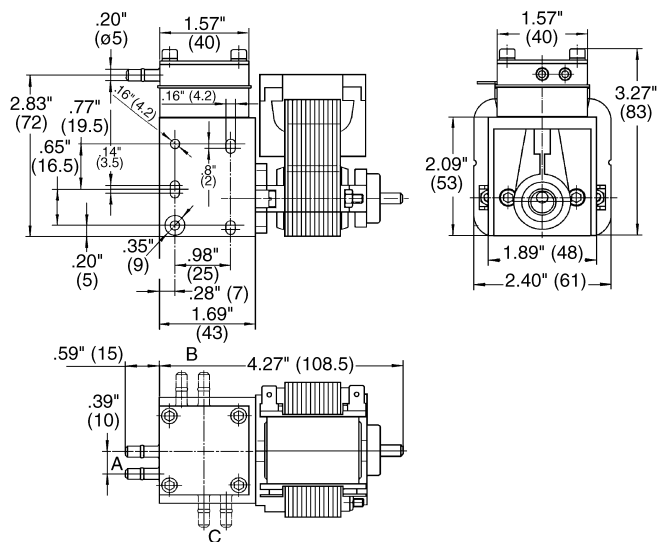
* = 2 twin models



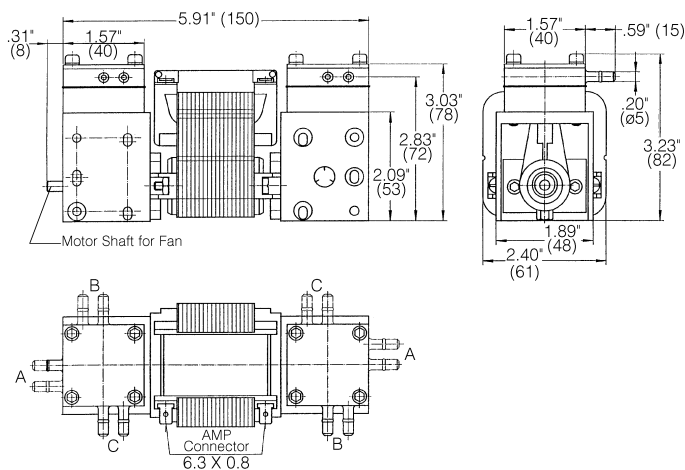
7010 SERIES

DIMENSIONS:

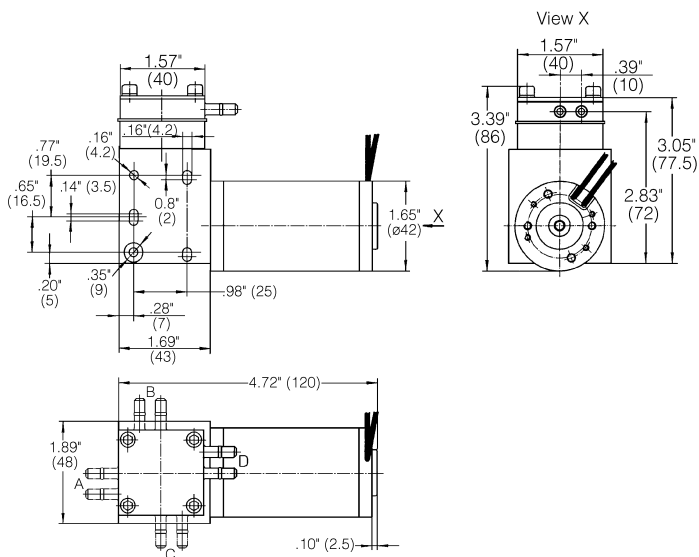
Millimeters are in ()



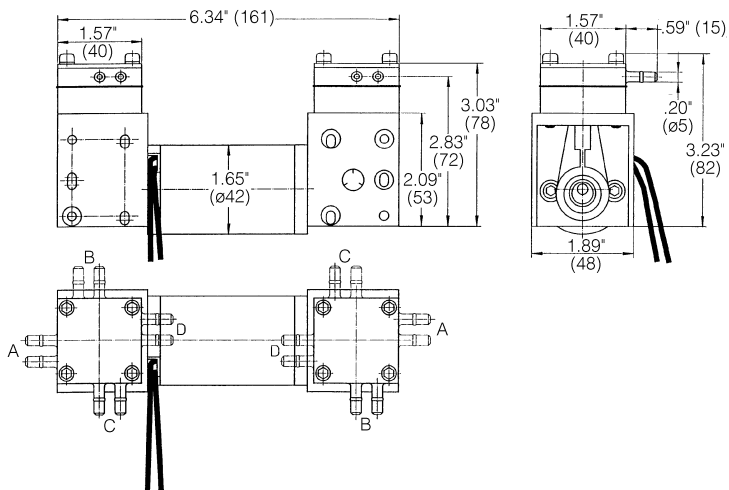
7010 AC



7010Z AC



7010 DC



7010Z 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.

THOMAS
PUMPS & COMPRESSORS

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