MINIATURE ROTARY

Compressors and Vacuum Pumps

G07, G08, G09 Series

MODELS:
G12/07, G12/07-LC, G12/08, G12/09

FEATURES:
- Oil-less
- Maintenance free
- Compact
- Pulsation free
- High flow
- Low vibration
- No valves

Consult factory for custom applications

G_07-N

G_07-15

G_07-30

G_07-N-LC

G_09V

G_08-T

G_12/08-15

G_08-30

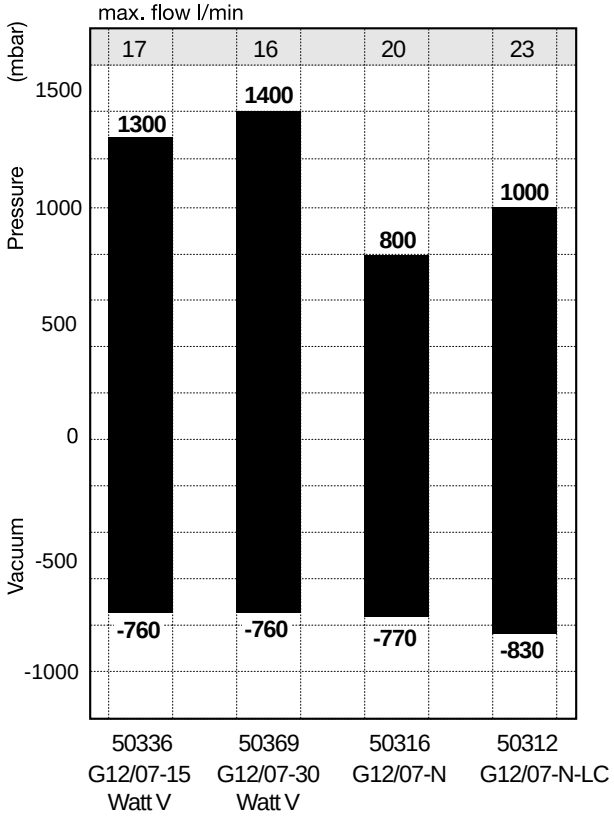
ISO 9001 CERTIFIED

THOMAS® COMPRESSORS & VACUUM PUMPS

First Name in Innovation

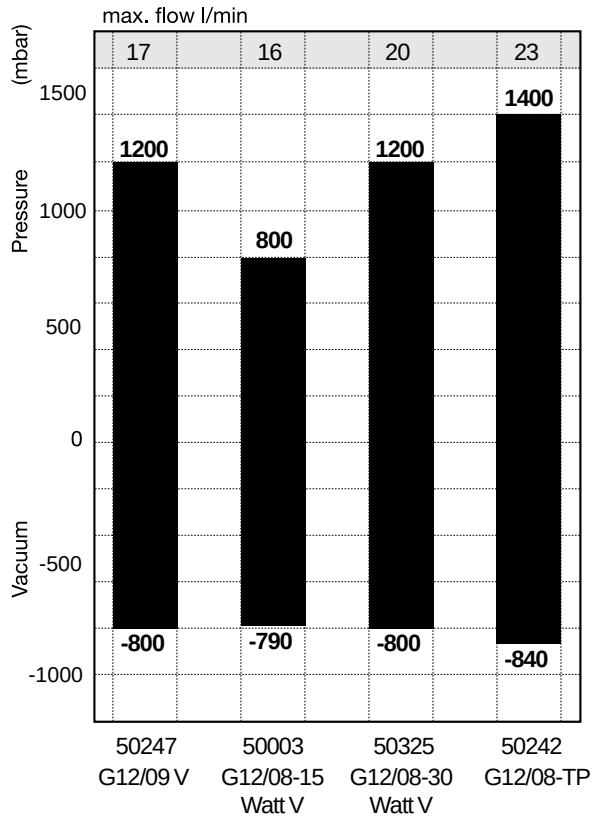
G07 SERIES PERFORMANCE DATA:

						STANDARD			
MODEL DESCRIPTION:		**G12/07-15 Watt V**		**G12/07-30 Watt V**		**G12/07-N**		**G12/07-N-LC**	
COMPRESSOR ARTICLE NUMBER:		50336		50369		50316		50312	
HEAD CONFIGURATION:		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum	
PRESSURE:		Flow @ 12v		Flow @ 12v		Flow @ 12v		Flow @ 12v	
LPM @ PSI	LPM @ mbar								
PSI	mbar	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM
0 1.0 1.5 3.0 5.0 7.5 10.0 15.0	0 50 100 200 400 600 800 1000	17.0 16.5 16.0 15.0 12.0 9.0 7.0 6.0	17.0 16.5 16.0 15.0 13.0 11.0 8.5 6.5	16.0 15.5 14.5 13.0 10.5 8.5 6.5 5.0	16.0 15.0 14.5 13.0 11.0 9.0 7.0 5.0	20.0 18.5 17.0 14.5 4.5	20.0 18.0 17.0 14.5 5.0	23.0 22.5 21.0 18.5 11.5 4.5 3.0	23.0 22.0 21.0 18.5 13.0 4.5 4.0
MAX. CONTINUOUS PRESSURE:		4.4 PSI	300 mbar	4.4 PSI	300 mbar	4.4 PSI	300 mbar	—	—
MAX. INTERMITTENT PRESSURE:		18.8 PSI	1300 mbar	20.3 PSI	1400 mbar	11.6 PSI	800 mbar	14.5 PSI	1000 mbar
VACUUM:		Flow @ 12v		Flow @ 12v		Flow @ 12v		Flow @ 12v	
LPM @ IN. Hg	LPM @ mbar								
IN. Hg	mbar (gauge)	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM
0 1.5 3.0 5.0 10.0	0 -100 -200 -400 -600	17.0 12.0 7.0 3.0	17.0 14.0 12.0 7.5 3.5	16.0 11.0 5.5 2.0	16.0 13.0 11.0 6.5 2.5	20.0 13.0 7.0 1.0	20.0 16.5 13.0 7.5 2.0	21.0 16.5 8.5 2.5	21.0 20.0 16.5 9.5 4.0
MAX. CONTINUOUS VACUUM:		8.9" hg	-300 mbar	8.9" hg	-300 mbar	8.9" hg	-300 mbar	—	—
MAX. INTERMITTENT VACUUM:		23.4" hg	-760 mbar	22.5" hg	-760 mbar	20.7" hg	-700 mbar	24.6" hg	-860 mbar
RPM:		5500		5500		5400		6200	
MOTOR TYPE:		PM		PM		PM		PM	
MOTOR VOLTAGE:		12vDC		12vDC		12vDC		12vDC	
POWER CONSUMPTION (WATTS):		1.9		2.0		2.3		2.9	
INSULATION CLASS:		E		E		E		F	
ROTATIONAL DIRECTION:		CW		CW		CW		CW	
WEIGHT:		1.32 lbs	0.6 Kg	1.5 lbs	0.7 Kg	1.1lbs	0.5 Kg	.88 lbs	0.4 Kg

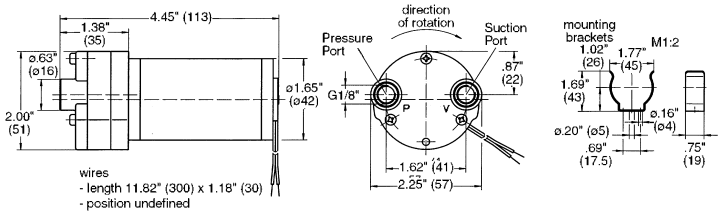


G08 & G09 SERIES PERFORMANCE DATA:

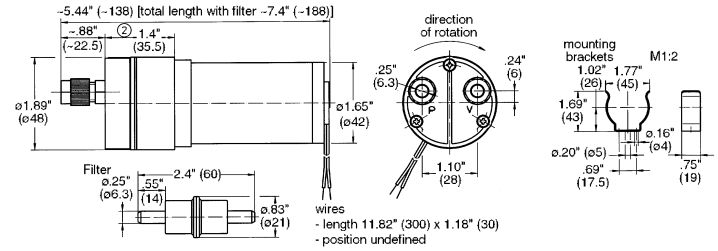
MODEL DESCRIPTION:		G12/09 V		G12/08-15 Watt V		G12/08-30 Watt V		G12/08-TP	
COMPRESSOR ARTICLE NUMBER:		50247		50003		50325		50242	
HEAD CONFIGURATION:		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum	
PRESSURE:		Flow @ 12v		Flow @ 12v		Flow @ 12v		Flow @ 12v	
LPM @ PSI	LPM @ mbar								
PSI	mbar	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM
0 1.0 1.5 3.0 5.0 7.5 10.0 15.0	0 50 100 200 400 600 800 1000	18.0 16.0 14.0 10.0 6.5 3.0 2.0	18.0 17.0 16.0 14.0 11.0 7.0 4.0 2.0	14.5 14.0 13.0 12.0 7.5 3.5	14.5 14.0 13.0 12.0 8.5 5.0	15.5 15.0 14.5 14.0 11.5 7.5 5.0 2.5	15.5 15.0 14.5 14.0 12.0 9.0 6.0 2.5	33.0 31.0 29.5 27.0 20.5 16.0 11.0 6.5`	33.0 30.5 29.5 27.0 22.0 17.0 12.0 7.0
MAX. CONTINUOUS PRESSURE:		—	—	—	—	4.3 PSI	300 mbar	—	—
MAX. INTERMITTENT PRESSURE:		20.0 PSI	1400 mbar	11.6 PSI	800 mbar	17.4 PSI	1200 mbar	20.3 PSI	1400 mbar
VACUUM:		Flow @ 12v		Flow @ 12v		Flow @ 12v		Flow @ 12v	
LPM @ IN. Hg	LPM @ mbar								
IN. Hg	mbar (gauge)	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM
0 1.5 3.0 5.0 10.0 15.0	0 -100 -200 -400 -600 -800	20.0 14.0 6.5 3.0	20.0 16.5 14.0 8.0 3.5	14.5 9.5 4.0 1.0	14.5 12.0 9.5 6.0 2.0	15.5 11.0 6.0 2.5	15.5 13.5 11.0 7.0 3.5	33.0 28.5 22.0 14.5	33.0 30.0 28.5 24.0 16.0 8.0
MAX. CONTINUOUS VACUUM:		—	—	—	—	8.9 PSI	-300 mbar	—	—
MAX. INTERMITTENT VACUUM:		22.2" hg	-750 mbar	23.4" hg	-790 mbar	23.4" hg	-800 mbar	24.8" hg	-840 mbar
RPM:		4900		3200		3300		#	
MOTOR TYPE:		PM		PM		PM		PM	
MOTOR VOLTAGE:		12vDC		12vDC		12vDC		12vDC	
POWER CONSUMPTION (WATTS):		2.9		1.5		1.5		3.35	
INSULATION CLASS:		E		E		E		E	
ROTATIONAL DIRECTION:		CW		CW		CW		CW	
WEIGHT:		1.54 lbs	0.7 Kg	1.4 lbs	0.65 Kg	1.7 lbs	0.75 Kg	2.8 lbs	1.3 Kg



G07, G08, G09 SERIES DIMENSIONS: Millimeters are in ( )



G_07-N



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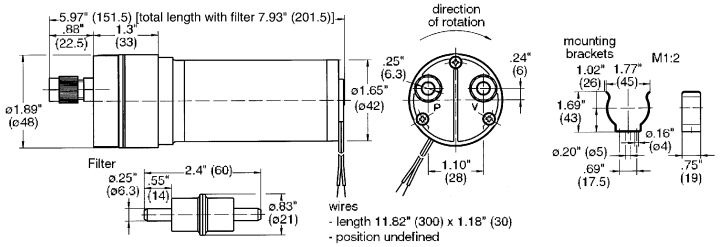
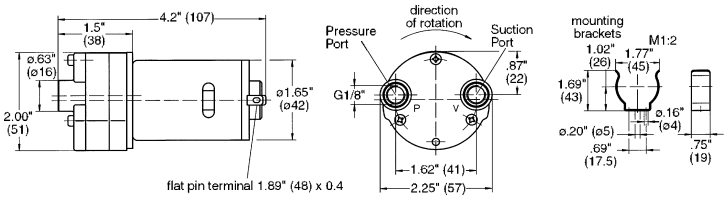
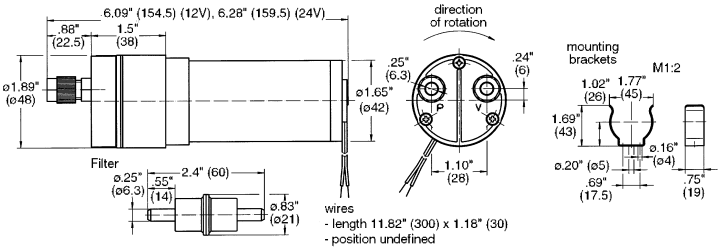


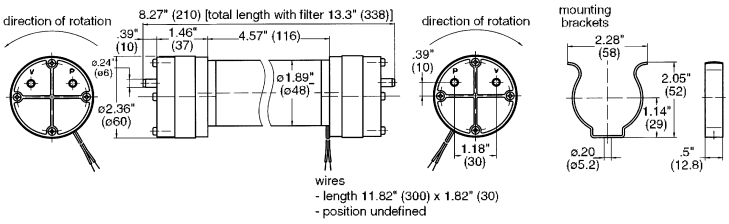
G_07-30



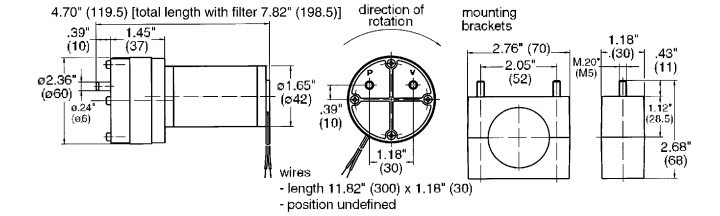
G_07-N-LC



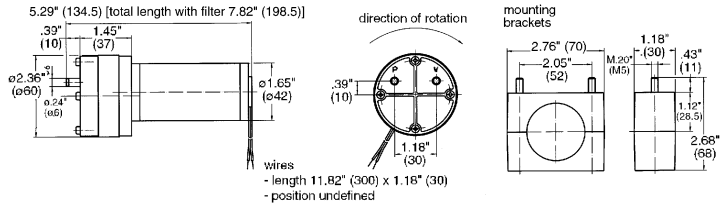
G_09V



G_08-T



G_12/08-15



G_08-30

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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