6025SE Series

THOMAS
by Gardner Denver

FEATURES

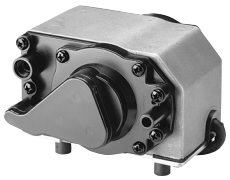
> Low power consumption
> High efficiency
> Quiet operation
> Very low pulsations
> Low vibration
> Fewer moving parts
> Low starting current
> AC models Agency approved
> DC models available with optional 4-20mA controller input
> RoHS/Reach compliant

Declaration documentation available upon request

BASE MODELS

6025SE 115/60/1
6025SE 230/50/60/1
6025SE 12VDC
6025SE 12VDC*
6025SE 24VDC
6025SE 24VDC*

* with optional control input leads



6025SSE

TYPICAL APPLICATIONS

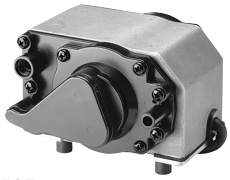
> Air and Gas Samplers
> Compression Therapy Devices
> De-Soldering Machines
> Hospital Beds/Air Mattresses
> Laser Machines
> Machine Tools
> Printing/Paper Handling
> Vacuum Handling



Diaphragm

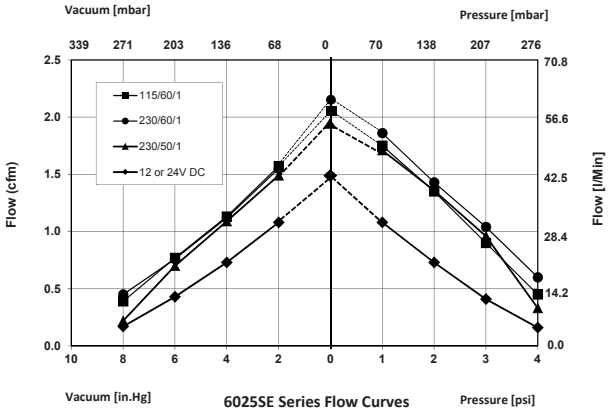
6025SE Series

Flow	up to 2.13cfm (60.3 l/min)
Maximum pressure	up to 4.0 psi (276 mbar)
Maximum vacuum	**up to -270 mbar**



6025SE

Oil-less



6025SE Series Flow Curves

See Flow at Variable Input at Pressure curve below for 150112 & 150113
Free flow operation not reccommended. Operate within specified pressure/vaccum ranges.

NOTE: All test values are nominal and for reference only. They are not guaranteed maximum or minimum limits, nor do they imply mean or median.

PERFORMANCE DATA	T13-0180	T13-0172		
Model Number	6025SE-AC	6025SE-AC	6025SE-DC	6025SE-DC
Manufacturing Code	150057	150058	150108 150112* *with optional control input leads	150109 150113* *with optional control input leads
Head Configuration	Pressure/vacuum	Pressure/vacuum	Pressure/vacuum	Pressure/vacuum
Nominal voltage input	115V 60Hz	230V 50/60Hz	12V DC	24V DC
Maximum open air flow*	2.05 cfm (58 l/min)	1.95/2.13 cfm (55.2/60.3 l/min)	1.50 cfm (42.5 l/min)	1.50 cfm (42.5 l/min)
Operating Range - Pressure	1.0 to 4.0 psi (69 to 276 mbar)	1.0 to 4.0 psi (69 to 276 mbar)	1.0 to 4.0 psi (69 to 276 mbar)	1.0 to 4.0 psi (69 to 276 mbar)
Max. rated continuous pressure	4.0 psi (276 mbar)	4.0 psi (276 mbar)	4.0 psi (276 mbar)	4.0 psi (276 mbar)
Current at rated pressure	0.32A	0.20/0.15A	1.5A	0.7A
Power at rated pressure	21W	24/22W	18W	18W
Operating Range - Vacuum	2.0 to 8.0 "Hg (68 to 270 mbar)	2.0 to 8.0 "Hg (68 to 270 mbar)	2.0 to 8.0 "Hg (68 to 270 mbar)	2.0 to 8.0 "Hg (68 to 270 mbar)
Max. rated continuous vacuum	27% local barometer	27% local barometer	27% local barometer	27% local barometer

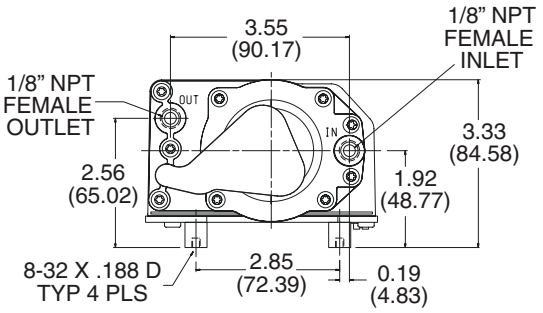
* Note: Do not operate pump at free flow or no load as this can cause damage to diaphragm. See specified operating ranges above.

ELECTRICAL DATA				
Motor type	Linear magnetic	Linear magnetic	Linear Magnetic	Linear Magnetic
Thermal protector	Single trip	Single trip	none	none
Motor insulation class	B	B	B	B

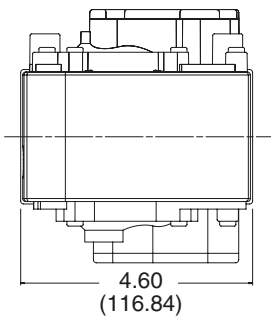
GENERAL DATA				
Operating ambient temperature	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)
Safety certification	cRUus	cRUus	Consult factory	Consult factory
Net weight	3.3 lbs (1.5 kg)	3.3 lbs (1.5 kg)	3.3 lbs (1.5 kg)	3.3 lbs (1.5 kg)

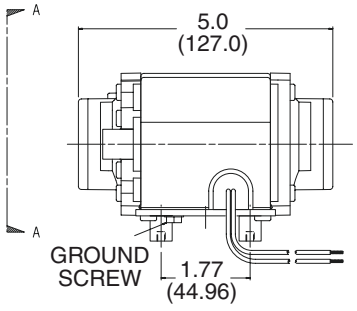
PRODUCT DIMENSIONS

Dimensions shown in inches (mm)



POWER LEADS 16.3"± 1.0"
FROM LEAD ENDS TO HOUSING

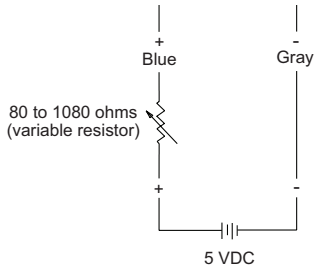




ELECTRICAL CONNECTIONS
SHOWN IN THIS VIEW ONLY

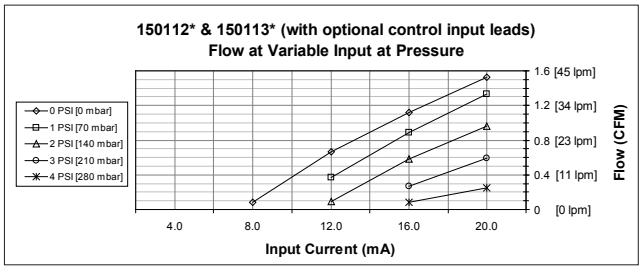
*** Optional Control Input Leads Schematic**

(Variable resistor & DC power supply not included)



WIRING LEGEND				
	12VDC	24VDC	115VAC	230VAC
Black	(-)	(-)	X	X
White			X	X
Red	(+)			
Yellow		(+)		
Gray (-) & Blue (+) 4-20 mA control input leads*				

* Optional control input leads on Mfg. Codes 150112 and 150113



PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE

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