007 Series

THOMAS
by Gardner Denver

FEATURES

> Oil-less operation
> RoHS and REACH compliant
> Quiet, low pulsating head design
> Reinforced plastic head and connecting rods
> Balanced for smooth, low vibration
> Long-life diaphragms
> Dedicated vacuum or pressure/vaccum performance
> Lightweight design
> 12V or 24V DC motor
> Easily integrated into system

Declaration documentation available upon request

BASE MODELS

007BDC19
(12V DC or 24V DC)
007CDC19
(12V DC or 24V DC)





TYPICAL APPLICATIONS

> Medical Aspirators
> Laboratory Analyzers
> Emergency Vehicle Equipment
> Vacuum Handling
> Leak Detection
> Air & Gas Samplers
> Hydraulic Evacuation



Diaphragm

007 Series

Flow	1.4 cfm (39.5 l/min)
Max. pressure	15 psi (1.0 bar)
Max. vacuum	85% local barometer

Available in 12V DC or 24V DC

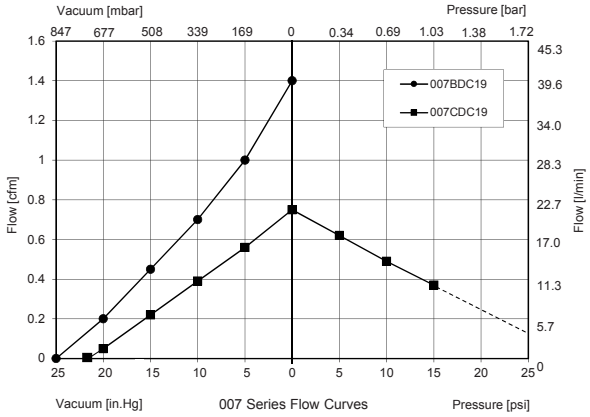
Oil-less



007BDC19



007CDC19



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	T13-0117	T03-0628	T04-0276	T04-0279
Model Number	007BDC19	007BDC19/24	007CDC19	007CDC19/24
Head Configuration	Vacuum	Vacuum	Pressure/vacuum	Pressure/vacuum
Stroke	0.19 in. (4.8 mm)	0.19 in. (4.8 mm)	0.19 in. (4.8 mm)	0.19 in. (4.8 mm)
Nominal voltage input	12V DC	24V DC	12V DC	24V DC
Max. open air flow	1.4 cfm (39.5 l/min)	1.4 cfm (39.5 l/min)	.80 cfm (23.0 l/min)	.80 cfm (23.0 l/min)
Max. rated pressure	N/A	N/A	15 psi (1.0 bar)	15 psi (1.0 bar)
Current at rated pressure	N/A	N/A	3.8A	1.92A
Power at rated pressure	N/A	N/A	46W	46W
Max. rated vacuum	85% local barometer	85% local barometer	78% local barometer	78% local barometer
Current at rated vacuum	2.0A	1.0A	1.9A	0.9A
Power at rated vacuum	24W	24W	23W	21W
Max. restart	85% local barometer	85% local barometer	15psi / 78% local barometer	15psi / 78% local barometer

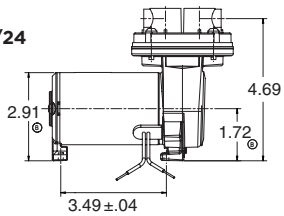
ELECTRICAL DATA				
Motor type	Permanent magnet DC motor	Permanent magnet DC motor	Permanent magnet DC motor	Permanent magnet DC motor
Motor locked rotor current	32A	17A	32A	17A
Motor insulation class	F	F	F	F
Thermal switch	No	No	No	No
Lead wire color, gauge	Red, black, 18 AWG	Red, black, 18 AWG	Red, black, 18 AWG	Red, black, 18 AWG

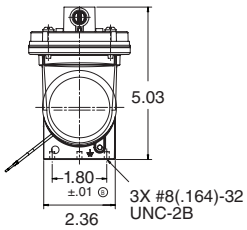
GENERAL DATA				
Operating ambient tempera-	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
Safety Certification	TUVE11	Consult Factory	TUVE11	Consult Factory
Net weight	2.9 lbs (1.3 kg)	2.9 lbs (1.3 kg)	2.9 lbs (1.3 kg)	2.9 lbs (1.3 kg)

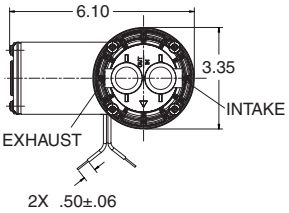
PRODUCT DIMENSIONS

Dimensions in inches (mm)

007BDC19
007BDC19/24

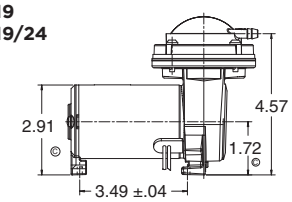


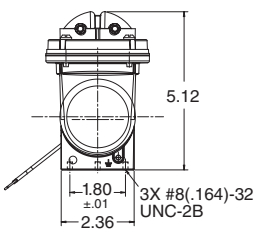


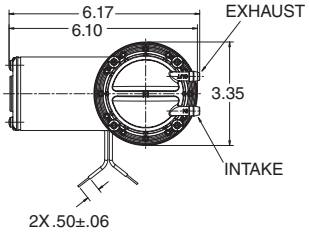


NOTE: ALL TAPPED PORTS
ARE 1/8-27 NPT

007CDC19
007CDC19/24







PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE
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