

107 SERIES

FEATURES

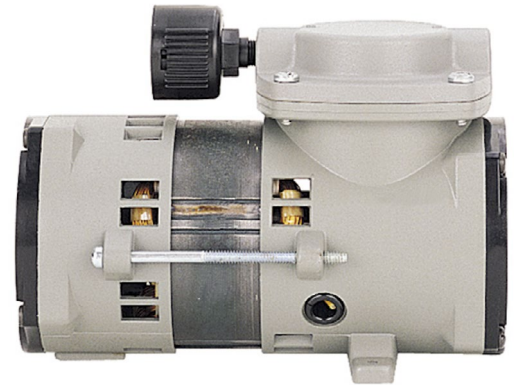
- > Oil-less operation
- > Permanently lubricated bearings
- > Stainless steel valves
- > Durable Die-cast aluminum components
- > Field service capability
- > Pressure or vacuum capability
- > Robust diaphragm pump technology
- > Integrated cooling fan for simple thermal management
- > Inlet filter/exhaust muffler
- > Jacketed leads featured on 107CAB18, 107CAB 18TFEL and 107CCD18
- > Designed and tested per Agency standards

TYPICAL APPLICATIONS

- > In-Vitro Diagnostics
- > Dental Equipment
- > Lab Analyzers
- > Air & Gas Samplers

BASE MODEL

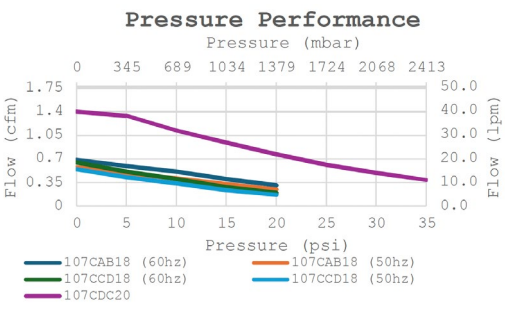
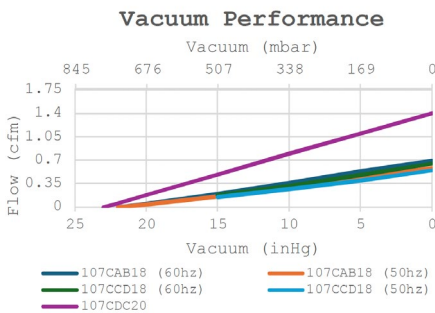
- 107CAB18 (115/60/1 AC)
- 107CAB18TFEL (115/60/1 AC)
- 107CCD18 (230/60/1, 220/50/1 AC)
- 107CDC20 (12V DC)



DIAPHRAGM

107 SERIES

Flow	Up to 1.4 cfm (39.6 lpm)
Max. pressure	35 psi (2.4 bar)
Max. vacuum	Up to 78% local barometer



NOTE: Photos for reference only. 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			
Model Number	107CAB18 / 107CAB18TFEL*	107CCD18	107CDC20
Head Configuration	Pressure/Vacuum	Pressure/Vacuum	Pressure/Vacuum
Stroke	0.18 in	0.18 in	0.20 in
Nominal voltage input	115/60/1-110/50/1	230/60/1-220/50/1	12v DC
Max. open air flow	0.69 / 0.58 cfm (19.5 / 16.4 lpm)	0.65 / 0.55 cfm (18.4 / 15.6 lpm)	1.40 cfm (39.6 lpm)
Max. rated pressure	20 psi (1.38 bar)	20 psi (1.38 bar)	35 psi (2.4 bar)
Current at rated pressure	1.69 / 2.18 A	0.8 / 1.0 A	9.5 A
Power at rated pressure	107 / 136 W	100 / 120 W	
Speed at rated pressure	1630 / 1260 RPM	1620 / 1220 RPM	2970 RPM
Max. pressure restart	N/A	N/A	15 psi (1.03 bar)
Max. vacuum	75%	75%	78%

*For operation in aggressive environments, please refer to the 107CAB18TFEL with PTFE coated wetted parts

ELECTRICAL DATA			
Motor type	Shaded Pole	Shaded Pole	Permanent Magnet
Motor locked rotor current	2.77 / 3.09 A	1.2 A	40.0 A
Motor insulation class	B	B	
Line lead wire color	Brown (hot), blue (neutral), green/yellowstripe (ground)	Brown (hot), blue (neutral), green/yellow stripe (ground)	Red (+), black (-)
Lead Length	23.5" (59.7 cm)	23.5" (59.7 cm)	10.25" (26.04 cm)

GENERAL DATA			
Operating ambient temperature	50° to 104°F (10°C TO 40°C)	50° to 104°F (10°C TO 40°C)	50° to 104°F (10°C TO 40°C)
Safety certification	UR	UR	
Net weight	5.1 lbs (2.3 kg)	5.1 lbs (2.3 kg)	4.5 lbs (2.0 kg)
Service kit	SK107B / SK107TFEL*	SK107B	SK107B

PRODUCT DIMENSIONS	
<p>Dimensions in inches</p> <p>107CAB18</p> <p>107CAB18TFEL</p>	<p>107CDC20</p>
<p>107CCD18</p>	

