



# Oilless Diaphragm Pump to 1.3 cfm



AC Model

DC Model

## Miniature Diaphragm 22D1180 Series

### SHADED POLE MOTOR

20 PSI CONTINUOUS PRESSURE (25 PSI INTER.)  
22" HG MAX. VACUUM, 0.66 CFM OPEN FLOW (60Hz)

### PSC MOTOR

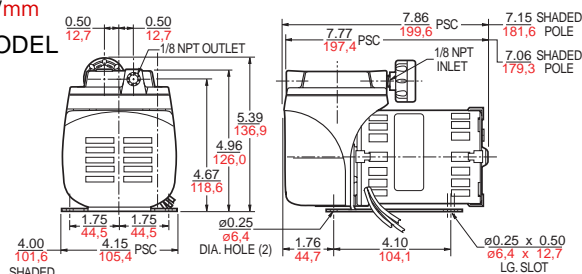
25 PSI MAX. PRESSURE, 23" HG MAX. VACUUM  
0.7 CFM OPEN FLOW (60Hz)

### DC MOTOR

25 PSI MAX. PRESSURE, 22.5" HG MAX. VACUUM  
1.3 CFM OPEN FLOW

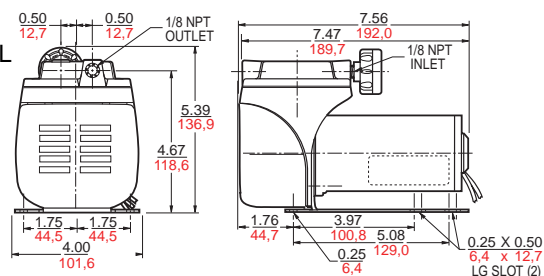
inches/mm

AC MODEL



Shown with attached filter/muffler

DC MODEL



### Product Specifications

Model Number	Motor	RPM	Running Amps	HP	kw	Net Wt. lbs.	kg
22D1180-201-1003	115-60-1*	1725	1.6	1/20	0,04	4,8	2,16
22D1180-201-1013	PSC 115-60-1	1725	0.7	1/20	0,04	5,5	2,48
22D1180-201-1019	PSC 230-50/60-1	1725 †	0.8	1/20	0,04	5,5	2,48
22D1180-201-1002	12V DC	3200	6.2	1/8	0,09	4,9	2,21
22D1180-201-1005	24V DC	3200	3.5	1/8	0,09	4,9	2,21

\*Shaded Pole

†@60 Hz – 50 Hz is 1425 RPM

### PRODUCT FEATURES

- Permanently lubricated ball bearings on rod and motor drive bearing
- Rear sleeve bearing (DC 1002, 1005 models have ball bearing for higher pressure)
- Field service capability
- PSC models include attached capacitor
- Includes AJ988 filter assembly, unattached

### MATERIALS OF CONSTRUCTION

- Head assembly and bracket made of polyphenylene sulfide (PPS) for excellent chemical and heat resistance
- Stainless steel valves
- Neoprene/nylon diaphragm standard
- Other diaphragm materials available

### RECOMMENDED ACCESSORIES

- AA640 Vacuum gauge
- AA204 Vacuum relief valve
- AA644B Pressure gauge
- AA203 Pressure relief valve
- AF584A Rubber feet (3)
- B300Q Muffler/filter (high capacity; to be used in dirty environments or when superior noise reduction is required)

### Product Performance (Metric, U.S.)

AC model shows 60 Hz performance. Consult factory for 50 Hz performance

