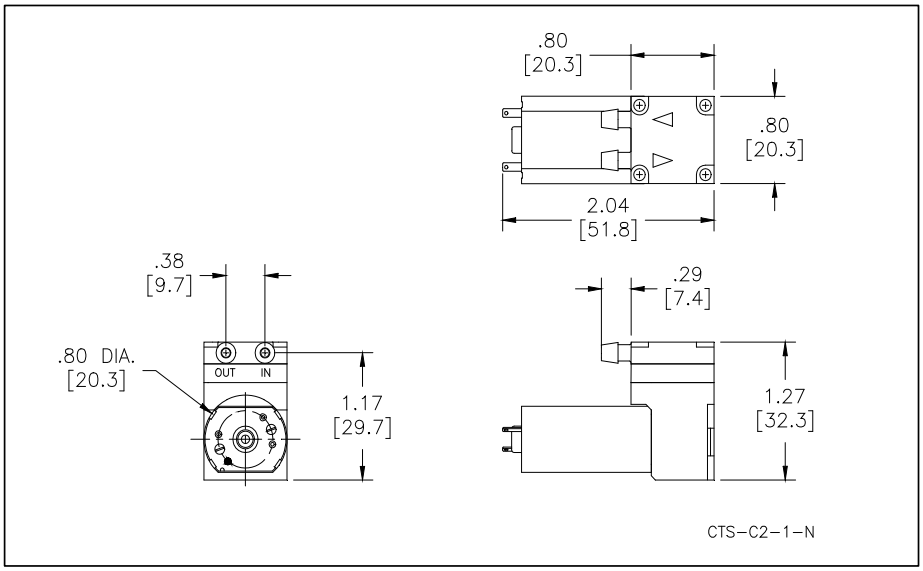
Part No.: **E107-13-050**
Model No.: **A.1C13N1.C05VDC**
Description: **CTS Diaphragm Pump, Brush Motor**

Mooresville, North Carolina 28117
T: 704-662-3500 F: 704-662-8744
www.hargravesfluidics.com

Dimensional Layout:



Specifications:

1. Wetted Materials:

Pump Head:	Polysulfone
Retainer Washer:	Polysulfone
Retainer Screw:	18-8 Stainless
Valves:	EPDM [65]
Diaphragm:	AEPDM [C80]

2. Performance:

	Continuous	Maximum
- Pressure: PSIG [Air]	12.0	23.0

3. Electrical:

Motor:	Brush Sleeve Bearing
Operating Voltage:	5.0 VDC
In-rush Current:	5 x Operating current for up to 50 ms
Recommended Fusing:	Slow Blow @ 2 x Operating Current

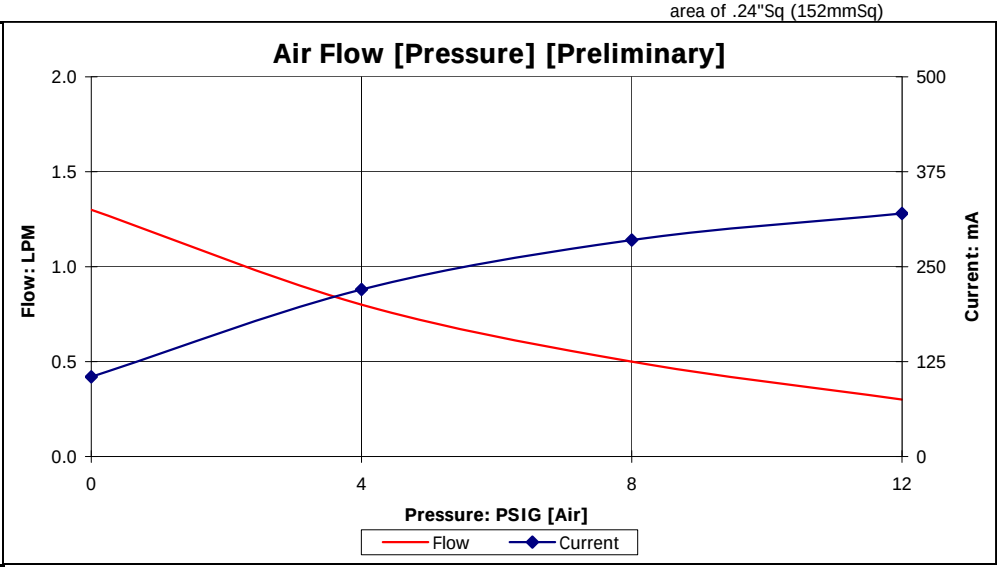
4. Other:

Temperature Range:	5 - 50° C
Free Flow RPM:	4125
Eccentric:	E535

5. Operating Limitations: Not configured for vacuum operation

6. Recommended Filtration: 40 Micron media w/ a minimum surface area of .24"Sq (152mmSq)

Press	Flow	Current
0	1.3	105
4	0.8	220
8	0.5	285
12	0.3	320



The above graph denotes nominal performance at 800' above sea level, 24°C, and at the specified voltage. **PR**