



SUNTA MOTOR ELECTRIC LTD.

MODEL NO. 12025D*-HBAPL

Size: 120*120*25mm. (4.71*4.71*1.00 inch.)

Motor: Brushless DC Motor

Motor protected: 1, polarity+over current shutdown protected. (OCP)

Frame(Housing): Aluminum die-cast. AP: Painted black.

Impeller: PBT + 30% fiber glass. Black color, UL94V-0.

Lead wire: 1007#22AWG. UL/CSA.

Insulation resistance: Min.10M Ohm at 500 VDC between terminal and the frame.

Dielectric Strength: 1 min at 1500 VAC.50/60 HZ.

Bearing type: B: 2 ball bearing.

Operating Temp: Ball bearing: within-20~80 degree C

Sleeve bearing: within -10~56 degree C

Life expectancy: Ball bearing: 50,000 hours at 60 degree C.

Above measurements Tem. at: Within 20~30 degree C.

Above measurements humidity at: 65%+-15%.

Safety Approvals: CE

Net weight : 180 (grams)

CONNECTOR: L: lead wire



| MODEL NO. | RATED | RATED | RATED | VOLTAGE | MAX. AIR | | MAX.AIR | | NOISE |
|----------------|-------|-------|-------|-----------|----------|------|----------|----------|-------|
| | VDC | AMP | RPM | RATED VDC | FLOW | FLOW | PRESSURE | PRESSURE | |
| | | A | RPM | VDC | CMM | CFM | MM/H2O | NCH/H2C | DBA |
| 12025D1-HHABPL | | 0.60 | 4000 | | 3.2 | 115 | 8.1 | 0.32 | 45 |
| 12025D1-HBAPL | 12 | 0.45 | 3000 | 12~14 | 2.5 | 86 | 6.0 | 0.24 | 42 |
| 12025D1-MBAPL | | 0.35 | 2500 | | 2.0 | 70 | 4.9 | 0.19 | 35 |
| 12025D2-HHABPL | | 0.30 | 4000 | | 3.2 | 115 | 8.1 | 0.32 | 45 |
| 12025D2-HBAPL | 24 | 0.24 | 3000 | 16~28 | 2.5 | 86 | 6.0 | 0.24 | 42 |
| 12025D2-MBAPL | | 0.17 | 2500 | | 2.0 | 70 | 4.9 | 0.19 | 35 |
| 12025D4-HHABPL | | 0.18 | 4000 | | 3.2 | 115 | 8.1 | 0.32 | 45 |
| 12025D4-HBAPL | 48 | 0.13 | 3000 | 36~56 | 2.5 | 86 | 6.0 | 0.24 | 42 |

Remark :

- The above specification data are for reference only, general data tolerance $\pm 10\%$
- Ball Bearing types are 2 Ball Bearing
- Special design are requested available, please inform us now.
- Sunta reserves the right to change the data without notice.

Optional Function and Lead wire color

FG : Tachometer speed sensor output signal , open collector 2 square waves per revolution , **lead wire color is white**

RD: Alarm output signal : (motor run-Low, motor stop-High), lead wire color is yellow.

