



## SUNTA MOTOR ELECTRIC LTD.

### MODEL NO. 6010D\*-\*SERIES

**Size:** 60\*60\*10mm.

**Motor:** Brushless DC Motor

**Motor protected:** 1, Polarity + impedance. ( ZP )

**Frame(Houseing):** 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. Sleeve bearing S: one Sleeve bearing

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

Sleeve bearing: within-10~56 degree C

**Sleeve bearing:** within -10~56 degree C

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

Sleeve bearing: 20,000 hours at 45 degree C.

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

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

**Safety Approvals:** CE

**Net weight :**

**CONNECTOR:** L: lead wire



| MODEL NO.    | RATED | RATED | RATED | VOLTAGE   | MAX. AIR |      | MAX.AIR  |         | NOISE |
|--------------|-------|-------|-------|-----------|----------|------|----------|---------|-------|
|              | VDC   | AMP   | RPM   | RATED VDC | FLOW     |      | PRESSURE |         |       |
|              |       | A     | RPM   | VDC       | CMM      | CFM  | MM/AQ    | INCH/AQ | DBA   |
| 6010D05-HBPL | 5     | 0.16  | 5000  | 4~8       | 0.42     | 16.5 | 4.0      | 0.16    | 31    |
| 6010D05-HSPL |       |       |       |           |          |      |          |         |       |
| 6010D05-MBPL |       | 0.10  | 4000  |           | 0.36     | 14.0 | 2.8      | 0.11    | 28    |
| 6010D05-MSPL |       |       |       |           |          |      |          |         |       |
| 6010D1-HBPL  | 12    | 0.11  | 5000  | 6~13.8    | 0.42     | 16.5 | 4.0      | 0.16    | 31    |
| 6010D1-HSPL  |       |       |       |           |          |      |          |         |       |
| 6010D1-MBPL  |       | 0.09  | 4000  |           | 0.36     | 14.0 | 2.8      | 0.11    | 28    |
| 6010D1-MSPL  |       |       |       |           |          |      |          |         |       |
| 6010D2-HBPL  | 24    | 0.05  | 5000  | 12~28     | 0.42     | 16.5 | 4.0      | 0.16    | 31    |
| 6010D2-HSPL  |       |       |       |           |          |      |          |         |       |
| 6010D2-MBPL  |       | 0.04  | 4000  |           | 0.36     | 14.0 | 2.8      | 0.11    | 28    |
| 6010D2-MSPL  |       |       |       |           |          |      |          |         |       |

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.

