



# SUNTA MOTOR ELECTRIC LTD.

## MODEL NO. H17251D\*-HBAPL

**Size:** 172\*150\*51mm. (6.77\*5.91\*2.10 inch.)

**Motor:** Brushless DC Motor

**Motor protected:** Polarity+ over current shutdown protected

**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.

**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 :** 930 (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	
	VDC	A	RPM	VDC	CMM	CFM	MM/H2O	INCH/H2O	DBA
H17251D2-HBAPL	24	1.2	3250	16~28	9.1	320	28	1.1	60
H17251D4-HBAPL	48	0.6	3250	36~56	9.1	320	28	1.1	60

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.

**VR:** NTC speed control, NTC thermistor thermal control 1800~3550RPM/4.7~10K ohm  
 Vs 45~20C speed control, lead wire color is orange

**VR** speed control: VR adjustable speed control 0~3550RPM/0~10K ohm lead wire color is gray

**PWM** (Pulse Width Modulation): programmable MCU multiple speed control 10~100%, full  
 800~3800RPM each stage 300 RPM, lead wire is Green trace of white

