



# SUNTA MOTOR ELECTRIC LTD.

## MODEL NO. 12038D\*-HBAPL

**Size:** 120\*120\*38mm. (4.71\*4.71\*1.50 inch.)  
**Motor:** Brushless DC Motor  
**Motor protected:** 1, Polarity + Over current shutdown protected (OCP)  
**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 :** 298 (grams)  
**CONNECTOR:** L: lead wire



MODEL NO.	RATED	RATED	RATED	RATED	MAX. AIR		MAX.AIR		NOISE
	VDC	AMP	RPM	VDC	FLOW	PRESSURE	INCH/H2C	DBA	
12038D1-HHBPL	12	1.00	4000	12~14	4.9	173	9.3	0.37	51
12038D1-HBPL		0.60	3000		3.6	130	7.1	0.28	45
12038D1-MBPL		0.37	2500		2.9	105	5.9	0.23	35
12038D2-HHBPL	24	0.60	4000	16~28	4.9	173	9.3	0.37	51
12038D2-HBPL		0.32	3000		3.6	130	7.1	0.28	45
12038D2-MBPL		0.22	2500		2.9	105	5.9	0.23	35
12038D4-HHBPL	48	0.38	4000	36~56	4.9	173	9.3	0.37	51
12038D4-HBPL		0.28	3000		3.6	130	7.1	0.28	45
12038D4-LBPL		0.07	2000		2.5	86	4.7	0.19	30

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.

