



## MODEL NO. DFB1865\*\*\*-\*

**Size:** 180\*180\*65mm.

**Motor:** I phase full wave Brushless DC Motor

**Motor protected:** Polarity + oevr current shutdown,  
 + over voltage shutdown, + auto restart.

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

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

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

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

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

**Bearing type:** B: 2 ball bearing.

**Operating Temp:** Ball bearing: within-20~80 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 :** 1.5kgs

**CONNECTOR:** T: Terminal lead wire



MODEL NO.	RATED	RATED	RATED	VOLTAGE	MAX. AIR		MAX.AIR		NOISE
		AMP	RPM		FLOW		PRESSURE		
	VDC	A	RPM	VDC	CMM	CFM	MM/H20	INCH/H20	
DFB186512H	12	4.5	3200	12~14	11.978	423	19.6596	0.774	62
DFB186524H	24	2.2	3200	16~28	11.978	423	19.6596	0.774	62
DFB186548M	48	0.7	2500	36~56	9.34458	330	15.367	0.605	49
DFB186548H	48	1.0	3200	36~56	11.978	423	19.6596	0.774	62

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.

### 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 ther mister thermal control 1800~3000RPM/4.7~10K ohm

Vs 45~20C speed control, lead wire color is orange

**VR** speed control: VR adjustable speed control 0~3000RPM/0~10K ohm lead wire color is gray

**PWM** (Pulse Width Modulation): programmable MCU multiple speed control 10~100%, full stop  
 & 10 speed stages,1800~3000RPM each stage 300 RPM,  
 lead wire is Green trace of white

