

# PRODUCT SPECIFICATION

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## A. General Specification

Item		Specification / Condition
1	Model No.	DF43198V12BR
2	Outline Dimension	Ø 43mm, Blade Length 198mm
3	Voltage	DC 12V
4	Rated Current	0.40 A
5	Rated Speed	<b>2700 RPM</b> +/- 270
6	Start Voltage	8V
7	Max. Airflow	2.30 m <sup>3</sup> /min
8	Max. Static Pressure	1.6 mmH <sub>2</sub> O
9	Temperature Raising	Temperature of Motor Coil Raising under 60 Degree
10	Noise Level	Under 43dB(A), But Depends on 1 Meter in front of Air Outlet and Above 45° Position
11	Life	30,000 Hours at 25°C
12	Output Direction	Horizontal Output Shaft

## B. Main Materials / Parts Specification

Materials / Parts		Specification
1	Housing	Steel plate, Black
2	Blade	Aluminum Alloy
3	Bearing	Three Ball Bearing
4	Lead Wire	Lead Wire AWG #26 UL 1007 (300mm)
5	Connector	None

## C. Safety Approvals :

Safety Approvals	File No.	Safety Approvals	File No.
CE			

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## D. Environmental Specification

Item		Specification / Condition
1	Operating Temp. Range	Temperature : 0°C ~ + 45°C Humidity : 35% - 85% RH
2	Storage Temperature	Temperature : -20°C ~ + 60°C Humidity : 35% - 85% RH
3	Humidity	Per MIL-STD 202F Method 103B; Life: 96 hours; Humidity : 95% RH; Temperature: 40 ± 2°C
4	Thermal Shock	Per MIL-STD 202F Method 107D, Condition D
5	Insulation Shock	UL: Class A
6	Packing Vibration Test	Packing Condition: X, Y, Z 3directions, 1.1 G load vibration test for 30 min.
7	Packing Shock Proof Test	1 corner, 3 edges, 6 faces natural drop from 60 cm high packing

## E. Electrical Specification

Item		Specification/Condition
1	Insulation Resistance	500MΩ between frame and unshielded wire at 500VAC/min
2	Dielectric Strength	0.5mA Max. / Measured b/w lead wire (+) and frame at 1800VAC/min
3	Locker Rotor Protection	a. No damage will be made for a continuous 72-hour rotation lock at rated voltage. b. Signal Alarm-Optional
4	Polarity Protection	Circuit is protected when Vcc & GND are exchanged.

