D2E133-CI33-56 ebmpapst 230V AC Centrifugal Fan

SKU: D2E133-CI33-56

Price: $342.99

Categories: Fans

Tags: ebmpapst

Product Link:
https://www.elecspares.com/product/d2e133-ci33-56-ebmpapst-230v-ac-centrifugal-fan/

Product Description

The ebmpapst D2E133-CI33-56 is a high-performance AC Forward-Curved Centrifugal Fan (Dual-Intake) with an impeller diameter of 133 mm and overall measuring dimensions of approximately 203 x 213 x 168 mm. It utilizes durable Ball Bearings and operates on a nominal voltage of 230VAC, supporting dual-frequency operation at both 50 Hz and 60 Hz. At 50 Hz, the fan runs at 1700 RPM, consumes 175 W, and achieves a maximum static pressure of approximately 390 Pa (1.56 inAq); at 60 Hz, the speed increases to 2100 RPM, consuming 190 W, and reaching a maximum static pressure of approximately 480 Pa (1.93 inAq). This fan can deliver a maximum airflow of approximately 509.7 m³/h (300 CFM) at 60 Hz, is rated with IP44 ingress protection, and includes an internal Thermal Overload Protector (TOP) for enhanced motor safety.

Parameter	Value
Model	D2E133-CI33-56
Manufacturer	ebmpapst
Type	AC Forward-Curved Centrifugal Fan (Dual-Intake)
Nominal Voltage	230VAC (Single Phase)
Frequency	50 Hz / 60 Hz
Speed (50 Hz / 60 Hz)	1700 RPM / 2100 RPM
Current Draw (50 Hz / 60 Hz)	0.77 A / 0.84 A
Power Consumption (50 Hz / 60 Hz)	175 W / 190 W
Maximum Airflow	~ 509.7 m³/h (~ 300 CFM)
Max Static Pressure (50 Hz)	~ 390 Pa (1.56 inAq)

Parameter	Value
Max Static Pressure (60 Hz)	~ 480 Pa (1.93 inAq)
Noise Level (60 Hz)	~ 58 dBA
Dimensions	~ 203 x 213 x 168 mm
Impeller Diameter	133 mm
Bearings	Ball Bearings
Weight	3.3 kg
Capacitor	4 uF
Capacitor Voltage	400 VDB
Min. Ambient Temperature	-25 deg C
Max. Ambient Temperature	25 deg C (for 60 Hz); 35 deg C (for 50 Hz)
Motor Protection	Thermal Overload Protector (TOP)
Insulation Class	"B"
Degree of Protection	IP44
Protection Class	I
Leakage Current	< 0.75 mA
Rotation	Counterclockwise (viewed toward rotor)
Housing Material	Sheet steel, hot-dip galvanized
Impeller Material	Sheet steel, hot-dip galvanized
Termination	4 Wire Leads (PVC cable)

The D2E133-CI33-56 centrifugal fan's high static pressure capability and flexible dual-frequency operation make it ideal for industrial air movement tasks where air must be delivered against high system resistance or over long duct runs. Typical applications include cooling industrial control cabinets, ventilation systems, heat exchangers, and high-efficiency HVAC equipment that requires precise and consistent airflow.

Product Images


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