

4715MS-12T-B20-A00 NMB 115VAC 7.0W 12038 AC Axial Fan

SKU: 4715MS-12T-B20-A00

Price: \$23.25

Categories: Fans

Tags: NMB

Product Link:

<https://www.electspares.com/product/4715ms-12t-b20-a00-nmb-115vac-7-0w-12038-ac-axial-fan/>

Product Description

The NMB 4715MS-12T-B20-A00 is a high-efficiency 115 VAC industrial AC axial fan with dimensions of 120 x 120 x 38 mm, engineered for continuous thermal regulation in demanding environments. This unit utilizes a precision-engineered 5-blade impeller driven by a shaded-pole induction motor, which maintains a low 7.0 W power profile across both 50 Hz and 60 Hz frequencies. Its structural integrity is anchored by a die-cast aluminum frame and a premium dual ball bearing system, ensuring exceptional mechanical longevity. The "T" suffix specifies a terminal-type interface (Faston #110), offering a robust and modular electrical connection ideal for high-reliability systems such as industrial control cabinets, medical instrumentation, and power infrastructure.

4715MS-12T-B20-A00 Fan Parameters

Manufacturer: NMB (MinebeaMitsumi)

Model Number: 4715MS-12T-B20-A00

Industry Size Code: 12038

Type: AC axial fan

Bearing Type: Dual Ball Bearing

Nominal Voltage: 115 VAC

Frequency: 50/60 Hz

Voltage Range: 100 - 125 VAC

Starting Voltage: 65 VAC

Dimensions: 120 x 120 x 38 mm

Weight: 490 g

[Electrical Data]

Input Power: 7.0 W (at 50/60 Hz)

Nominal Current: 0.08 A (at 60 Hz) / 0.09 A (at 50 Hz)

Nominal Speed: 2600 RPM (at 60 Hz) / 2100 RPM (at 50 Hz)

Motor Design: Shaded-Pole Induction Motor

Motor Protection: Impedance Protected

Insulation Class: Class E (120 °C)

Insulation Resistance: >100M ohm at 500 VDC between frame and terminals

Dielectric Strength: 1500 VAC for 1 minute

Termination: 2-Terminal Type (Faston #110 / 2.8 mm x 0.5 mm)

[Performance & Acoustics]

Max. Air Flow: 88.2 CFM (150.0 m³/h / 2.50 m³/min)

Max. Static Pressure: 4.58 mmH₂O (45.0 Pa / 0.18 inH₂O)

Sound Pressure Level: 33.0 dB(A) (Measured at 1 meter)

Number of Blades: 5

Direction of Rotation: Counter-clockwise (viewed toward impeller)

Airflow Direction: Intake over struts

[Materials & Construction]

Frame Material: Aluminum (Die-Cast ADC12, Black Paint)

Impeller Material: Thermoplastic PBT (Black, UL94V-0)

Installation Position: Any

Degree of Protection: IP33

[Reliability & Safety Standards]

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Life Expectancy (L10): 50,000 hours at 25 °C

Standard Compliance: IEC 60335-1, EN 60950-1, CSA C22.2 No.113

Approval Agency: UL, CSA, VDE, CE, RoHS

Application

The NMB 4715MS-12T-B20-A00 axial fan is used in electrical control cabinets, commercial foodservice equipment, laboratory incubators, welding machines, telecommunications racks, and industrial power supplies.

Product Images



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