PIH040M12Q-P30-EB Foxconn 12VDC 40x40x56mm Dual Rotor Fan Datasheet

Brand: Foxconn

SKU: 965775331402

Category: Axial & Centrifugal Fans

Price: **$19.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/pih040m12q-p30-eb-foxconn-12vdc-40x40x56mm-dual-rotor-fan

Product Description

The Foxconn PIH040M12Q-P30-EB is a specialized counter-rotating axial fan designed for high-density server environments requiring extreme static pressure capabilities. This unit features a dual-motor architecture housed within a compact 40x40x56mm frame, utilizing advanced DC motor technology to deliver exceptional aerodynamic performance. Engineered with precision ball bearings, the fan ensures structural rigidity and long-term reliability under continuous high-speed operation. The design optimizes thermal impedance management, making it ideal for forcing air through restrictive heatsinks and dense chassis configurations where standard single-rotor fans fail to overcome system resistance.

Model Number: PIH040M12Q-P30-EB
Brand: Foxconn
Product Type: Counter-Rotating Axial Fan (Dual Motor)
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 5.00 A
Power Consumption: 60.0 W
Rated Speed: High Speed (Dual Rotor Configuration)
Bearing Type: Dual Ball Bearing
Max. Air Flow: High Output (Supercharging Profile)

Max. Static Pressure: High Static Pressure (Server Grade)
Dimensions: 40 x 40 x 56 mm
Weight: Approx. 85g
Life Expectancy: 70,000 Hours @ 40°C
Speed Control: PWM (Pulse Width Modulation)
Ingress Protection: IP40
Insulation Class: Class A
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Termination: 4-Wire / 8-Wire Interface
Operating Temperature: -10°C to +70°C
Mounting Orientation: Any
Motor Protection: Locked Rotor Protection, Polarity Protection

The PIH040M12Q-P30-EB is engineered primarily for 1U server racks and blade chassis systems where space is limited but cooling requirements are critical. Due to its high static pressure capabilities, the PIH040M12Q-P30-EB is effectively deployed in telecommunications equipment, network switches, and high-performance computing clusters to drive airflow through dense component layouts and restrictive heatsinks.

Supplemental Images