

# JDR0362012UBFA01 JARO 12VDC 36mm PWM Round Cooling Fan Datasheet



**Brand:** JARO

**SKU:** [653232245751](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$12.99**

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Product Page:

<https://www.equipspares.com/product/jdr0362012ubfa01-jaro-12vdc-36mm-pwm-round-cooling-fan>

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## Product Description

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The JARO JDR0362012UBFA01 is a precision-engineered round DC cooling fan designed for high-density electronic applications requiring efficient thermal management within restricted geometries. Featuring a robust motor architecture and an advanced aerodynamic impeller design, this unit optimizes airflow while maintaining structural rigidity under high-stress operations. The 36mm circular frame integrates seamlessly into compact enclosures, significantly reducing thermal impedance in critical components. Equipped with Pulse Width Modulation (PWM) control, it allows for dynamic speed adjustment, ensuring optimal cooling performance relative to system load while maximizing energy efficiency and operational lifespan. The unit utilizes high-grade bearing technology to ensure stability and longevity in continuous-duty environments.

Model Number: JDR0362012UBFA01

Brand: JARO

Product Type: DC Round Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.45 A

Power: 5.40 W

Rated Speed: 11000 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 10.8 CFM (18.3 m<sup>3</sup>/h / 0.30 m<sup>3</sup>/min)  
Max. Static Pressure: 11.5 mmH<sub>2</sub>O (112.7 Pa / 0.45 inH<sub>2</sub>O)  
Dimensions: 36mm (Diameter) x 20mm (Thickness)  
Weight: 28 g  
Life Expectancy: 70,000 Hours at 40°C  
Speed Control: PWM (Pulse Width Modulation)  
Termination: 4-Wire Lead  
Housing Material: Thermoplastic PBT (UL94V-0)  
Impeller Material: Thermoplastic PBT (UL94V-0)  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Mounting Orientation: Any  
Ingress Protection: IP40  
Certifications: CE, UL, TUV, RoHS

This compact cooling solution is frequently utilized in specialized industrial and consumer electronics, including portable projection systems, medical instrumentation, and compact server modules. The JDR0362012UBFA01 excels in restricted spaces where standard square frames cannot fit, providing targeted airflow to heatsinks and processors. Engineers rely on the JDR0362012UBFA01 for its precise PWM speed regulation, making it ideal for variable-load applications in telecommunications equipment and high-performance optical devices where vibration control and thermal stability are paramount.

## Supplemental Images

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