

Sensorless BLDC Fan for Railway Carriage (400mm sweep)



RDSO Specification No- TL/0021-2005 (Rev3)

Features:

- Sensor less Brushless DC Motor Design
- Microcontroller Based Driver for accurate control
- Reverse Polarity Protection
- Reverse Direction Protection
- Locked Rotor Protection
- Input Under voltage Protection
- Input Over voltage Protection
- Constant Speed Over Entire Operating range of Input Supply
- Modular Construction
- Unbreakable FRP Blade
- Sealed Bearing
- Approved by RDSO/IRO

Technical Specifications:

Nominal Input	-	110V DC	Fan Sweep	-	400mm
Input Variation	-	90 to 140V	Air Delivery	-	>60m ³ /min
Input Power	-	<32W	Service Value	-	> 2 m ³
Allowable Input Ripple	-	< 15%	Noise level	-	< 55Db
Min On Voltage	-	75V	Operating Temp	-	UP TO 55 degree C
Max on Voltage	-	155V	Isolation level	-	1.72 Kv AC (RMS) for 1 minute
Speed	-	1300 RPM±2.5%	Insulation Level	-	> 20M Ohms
Cooling	-	Natural Air	Net Weight (Approx)	-	<7.00kg

*Due to continuous improvement in products, specification subject to change

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