

40MM BY 40MM BY 28MM, 12VDC AXIAL 4-WIRE PROGRAMMABLE FAN



UL File: E512161

AIRODYN 'Performance Series' high speed forward direction 40mm square by 28mm depth axial fan.

5th wire locked-rotor wire available upon request.

Designed operational life from -10 to +70 degrees C ambient. IP69 rotor board coatings, UL94V-0 rated (IP69K available).

CHARACTERISTICS

Rated Voltage	VDC	12
Start-up Voltage	VDC	≤ 7.0
Operational Voltage	VDC	10.8 to 13.2
Nominal Rated Speed	RPM	15,000 ± 10%
Fan (Nominal Rated Current)	A	0.61 (Max: 0.74)
Fan (Nominal Rated Power)	W	7.32 (Max: 8.88)
Rated Airflow	CFM	23.95 (Min: 21.55) 0.67 M3/min (Min: 0.61)
Rated Air Pressure	inch-H2O	1.47 (Min: 1.19) 37.42 mm-H2O (Min: 30.31)
Noise Level	dBA	58 (Max: 61)
Weight	grams	44.91
Operating Temperature Range	degrees C	-20 to +70
Storage Temperature Range	degrees C	-40 to +70

Features:

- PWM Input Signal (25KHz)
- Automotive grade
- Tachometer outputs
- Variable input PWM frequency range (100 to 30KHz)
- Frame: Black PBT (UL94V-0) flange
- Impeller: Black PBT (UL94V-0) 5 blades (in) 4 blades (out)
- Maximum operating humidity: 85%RH

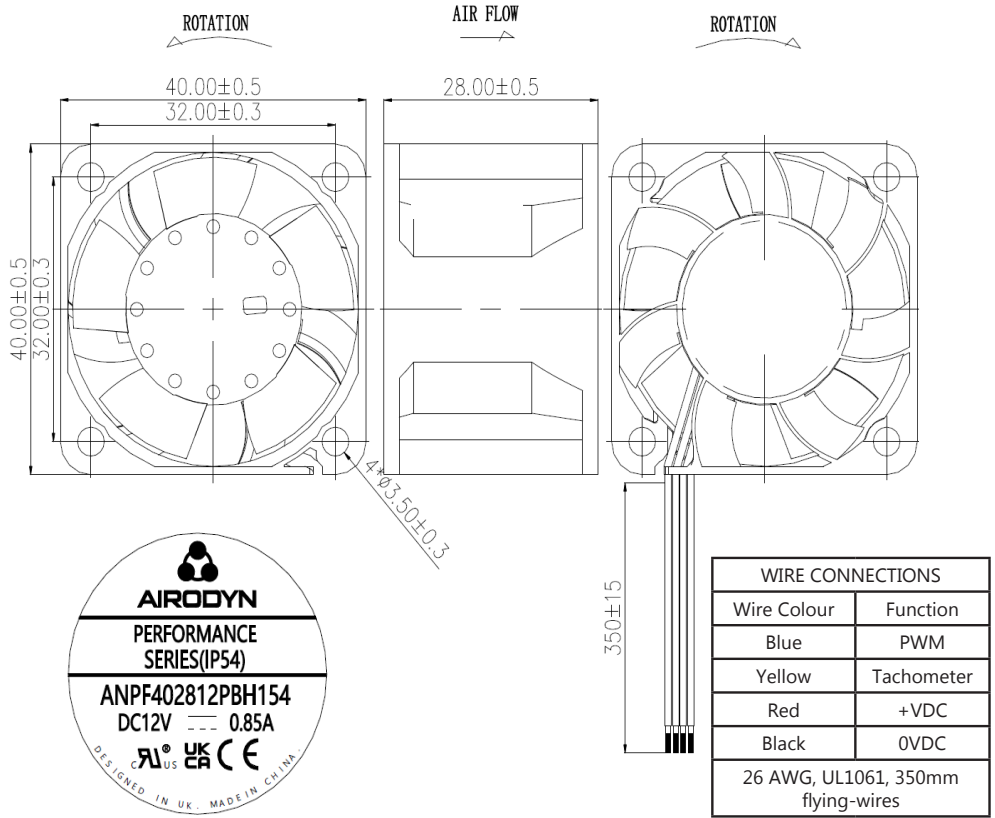


Airodyn is a sister brand of European Thermodynamics Limited

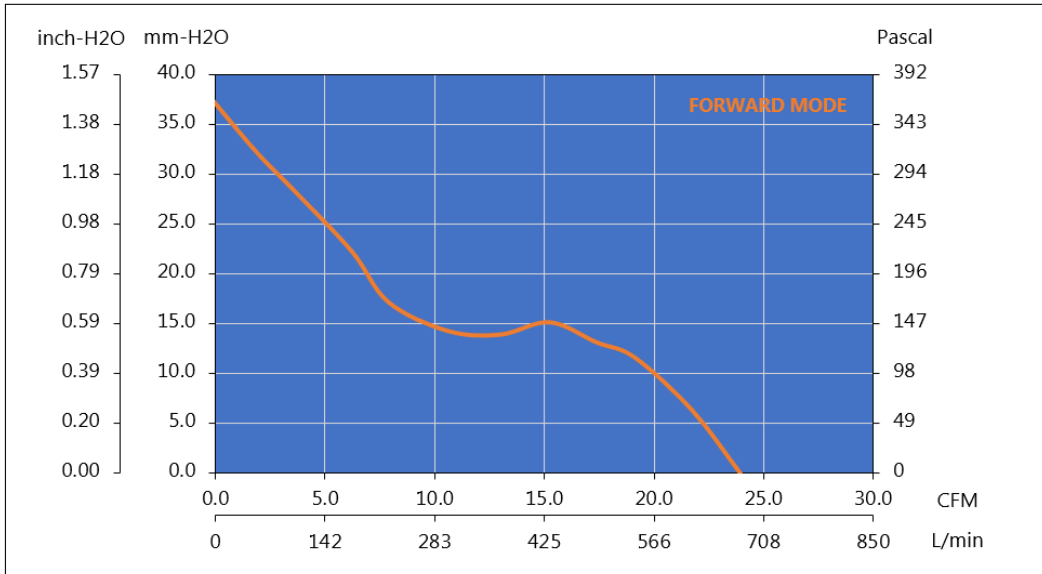
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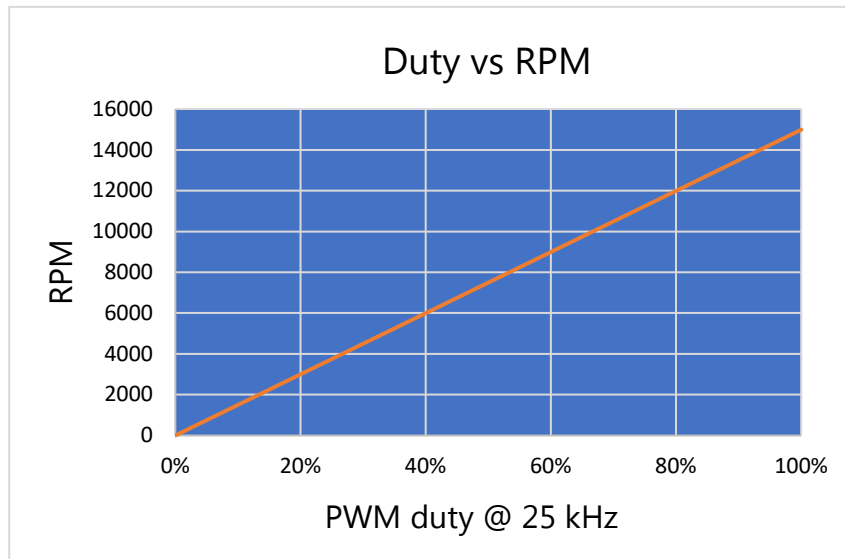
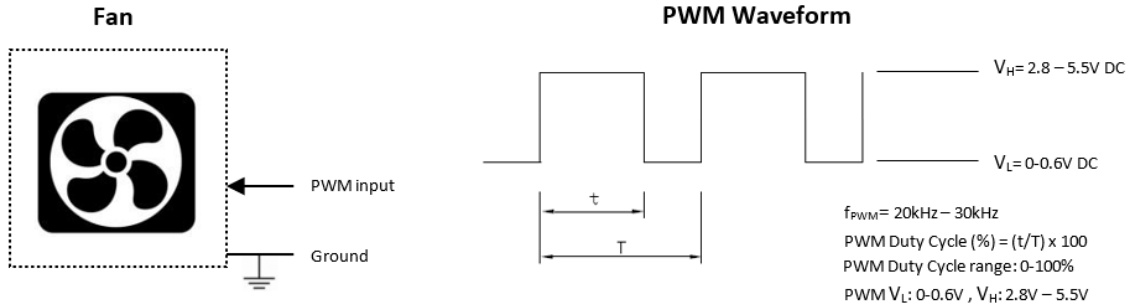
DIMENSIONS (mm)



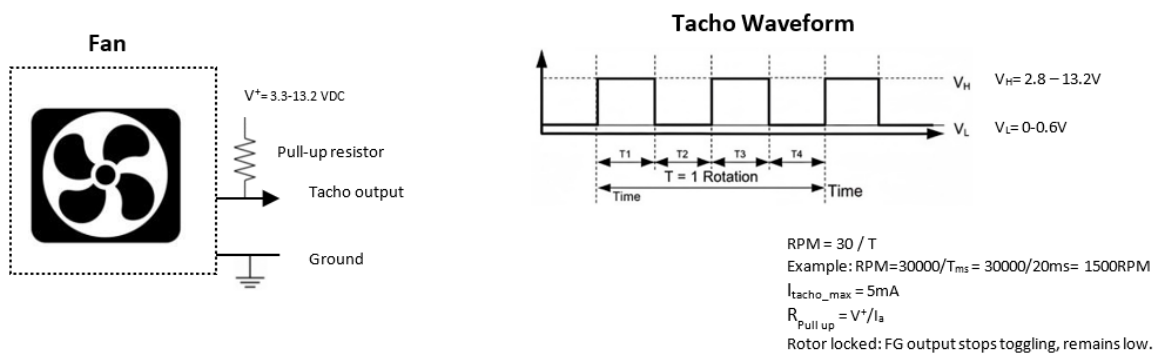
AIRFLOW / PRESSURE CURVE



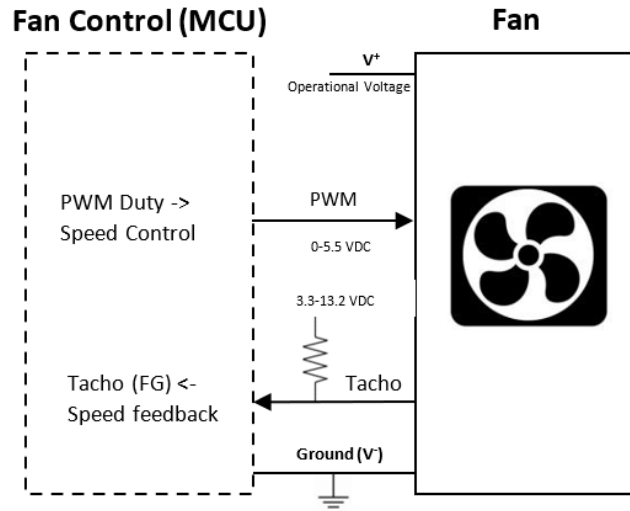
PWM CIRCUIT



TACHOMETER CIRCUIT



WIRING DIAGRAM



SAFETY NOTES

Min 10MΩ between frame and positive terminal at 500VDC.
Dielectric strength: Max 5mA between frame and positive terminal at 500VAC/60Hz for 1 minute.
Insulated Type: UL: Class A (105 DEGREES C)

REVISION HISTORY

rev.	Description	Date
1.0	Initial release	22 DEC 25

