

AXIAL FAN FANTEC Series

FANTEC

Certificates

- UL and cUL Recognized, File Number E508880
- CE Compliant

Application

FANTEC series Axial Fans are designed to supply forced convection air to enclosures and electrical panels. By using the unique cooling features, FANTECs will cool down the inside of enclosures to a desired temperature to protect the electrical and electronic parts against heat.

Features

- Wide range of operating temperatures from -40 °C/-40 °F to 70 °C/158 °F
- Fans are available in 115, 230 VAC, 460 VAC and 12, 24, and 48 VDC
- Airflow from 24 CFM to 1000 CFM (40 m³/hr to 1700 m³/hr)
- Thermally, Electronically or Impedance Protected
- From 50,000 to 90,000 life cycle
- Aluminum Die Cast or UL94-V0 thermoplastic housing

Color

- Black



c **UL** US
E508880

CE

Technical Data

Model No.	Outline Dimension	Rated Voltage	Power Consumption	Rotating Speed	Max. Air Flow	Max. Static Pressure	Noise Level	Durability
AR8038115XBT	80 X 80 X 38 mm	100~120 VAC 50/60 Hz	12/9 W ± 10%	2400/2900 RPM ± 10%	0.68/0.80 m³/min	3.5/4.9 mmH2O	33/38 dB(A)	50,000 at 25 °C
	3-5/32" X 3-5/32" X 1-1/2"				24/28.4 CFM	0.14/0.19 inchH2O		
AR8038230XBT	80 X 80 X 38 mm	200~240 VAC 50/60 Hz	17/12 W ± 10%	2400/2900 RPM ± 10%	0.68/0.80 m³/min	3.5/4.9 mmH2O	33/38 dB(A)	50,000 at 25 °C
	3-5/32" X 3-5/32" X 1-1/2"				24/28.4 CFM	0.14/0.19 inchH2O		
AR8038115XBTP	80 X 80 X 38 mm	100~120 VAC 50/60 Hz	14/12 W ± 10%	2700/3250 RPM ± 10%	0.70.22 m³/min	4.06/5.59 mmH2O	29 dB(A)	80,000 at 45 °C
	3-5/32" X 3-5/32" X 1-1/2"				26/31 CFM	0.16/0.22 inchH2O		
AR8038230XBTP	80 X 80 X 38 mm	200~240 VAC 50/60 Hz	14/12 W ± 10%	2700/3250 RPM ± 10%	0.7/0.22 m³/min	4.06/5.59 mmH2O	29 dB(A)	80,000 at 45 °C
	3-5/32" X 3-5/32" X 1-1/2"				26/31 CFM	0.16/0.22 inchH2O		
AR802512XBTP	80 X 80 X 25 mm	12 VDC	2.2 W	3300 RPM ±10%	1.1 m³/min	5.84 mmH2O	33 dB(A)	60,000 at 45 °C
	3-5/32" X 3-5/32" X 1"				40 CFM	0.23 inchH2O		
AR802524XBTP	80 X 80 X 25 mm	24 VDC	2.9 W	3300 RPM ±10%	1.1 m³/min	5.84 mmH2O	33 dB(A)	60,000 at 45 °C
	3-5/32" X 3-5/32" X 1"				40 CFM	0.23 inchH2O		
AR802548XBTP	80 X 80 X 25 mm	48 VDC	3.8 W	3300 RPM ±10%	1.1 m³/min	5.84 mmH2O	33 dB(A)	60,000 at 45 °C
	3-5/32" X 3-5/32" X 1"				40 CFM	0.23 inchH2O		
AR12038115XBT	120 x 120 x 38 mm	100~120 VAC 50/60 Hz	20/17 W ± 10%	2650/3000 RPM ± 10%	2.38/2.72 m³/min	7.5/7.8 mmH2O	43/47 dB(A)	50,000 at 25 °C
	4-23/32" X 4-23/32" X 1-1/2"				84/96 CFM	0.30/0.31 inchH2O		
AR12038230XBT	120 x 120 x 38 mm	200~240 VAC 50/60 Hz	17/15 W ± 10%	2650/3000 RPM ± 10%	2.38/2.72 m³/min	7.5/7.8 mmH2O	43/47 dB(A)	50,000 at 25 °C
	4-23/32" X 4-23/32" X 1-1/2"				84/96 CFM	0.30/0.31 inchH2O		
AR12038115XBTP	120 x 120 x 38 mm	100~120 VAC 50/60 Hz	16/14 W ± 10%	2600/3050 RPM ± 10%	3/3.5 m³/min	7.62/8.13 mmH2O	45 dB(A)	80,000 at 45 °C
	4-23/32" X 4-23/32" X 1-1/2"				106/125 CFM	0.30/0.32 inchH2O		
AR12038230XBTP	120 x 120 x 38 mm	200~240 VAC 50/60 Hz	16/14 W ± 10%	2600/3050 RPM ± 10%	3/3.5 m³/min	7.62/8.13 mmH2O	45 dB(A)	80,000 at 45 °C
	4-23/32" X 4-23/32" X 1-1/2"				106/125 CFM	0.30/0.32 inchH2O		
AR1203812XBTP	120 x 120 x 38 mm	12 VDC	10.6 (Max. 17) W	4200 RPM ± 10%	5.1 m³/min	24.89 mmH2O	54 dB(A)	65,000 AT 45 °C
	4-23/32" X 4-23/32" X 1-1/2"				180 CFM	0.988 inchH2O		
AR1203824XBTP	120 x 120 x 38 mm	24 VDC	10.3 (Max. 22) W	4200 RPM ± 10%	5.1 m³/min	24.89 mmH2O	54 dB(A)	65,000 AT 45 °C
	4-23/32" X 4-23/32" X 1-1/2"				180 CFM	0.988 inchH2O		
AR1203848XBTP	120 x 120 x 38 mm	48 VDC	10.6 (Max. 20) W	4200 RPM ± 10%	5.1 m³/min	24.89 mmH2O	54 dB(A)	65,000 AT 45 °C
	4-23/32" X 4-23/32" X 1-1/2"				180 CFM	0.988 inchH2O		
AR17251115XBT	ø 172 X 150 X 51 mm	100~120 VAC 50/60 Hz	43/40 W ± 10%	2700/3000 RPM ± 10%	4.96/5.10 m³/min	12/7.5 mmH2O	56/58 dB(A)	50,000 at 25 °C
	6-49/64" X 5-29/32" X 2-1/64"				175/180 CFM	0.47/0.30 inchH2O		
AR17251230XBT	ø 172 X 150 X 51 mm	200~240 VAC 50/60 Hz	38/36 W ± 10%	2700/3000 RPM ± 10%	4.96/5.10 m³/min	12/7.5 mmH2O	56/58 dB(A)	50,000 at 25 °C
	6-49/64" X 5-29/32" X 2-1/64"				175/180 CFM	0.47/0.30 inchH2O		
AR17251115XBTP	ø 172 X 150 X 51 mm	100~120 VAC 50/60 Hz	26/35 W ± 10%	5000 RPM ± 10%	10.2 m³/min	41.15 mmH2O	68 dB(A)	70,000 at 40 °C
	6-49/64" X 5-29/32" X 2-1/64"				360 CFM	1.62 inchH2O		
AR17251230XBTP	ø 172 X 150 X 51 mm	200~240 VAC 50/60 Hz	26/35 W ± 10%	5000 RPM ± 10%	10.2 m³/min	41.15 mmH2O	68 dB(A)	70,000 at 40 °C
	6-49/64" X 5-29/32" X 2-1/64"				360 CFM	1.62 inchH2O		
AR17251115XBTM	ø 172 X 150 X 51 mm	100~120 VAC 50/60 Hz	36/33 W ± 10%	2750/3150 RPM ± 10%	5.9/7.1 m³/min	13.9/14.73 mmH2O	56/58 dB(A)	50,000 at 55 °C
	6-49/64" X 5-29/32" X 2-1/64"				210/250 CFM	0.47/0.30 inchH2O		
AR17251230XTM	ø 172 X 150 X 51 mm	200~240 VAC 50/60 Hz	36/33 W ± 10%	2750/3150 RPM ± 10%	5.9/7.1 m³/min	13.9/14.73 mmH2O	56/58 dB(A)	50,000 at 55 °C
	6-49/64" X 5-29/32" X 2-1/64"				210/250 CFM	0.47/0.30 inchH2O		
AR1725112XBTP	ø 172 X 150 X 51 mm	12 VDC	64.8 W ± 10%	4100 RPM ± 10%	8.9 m³/min	25.91 mmH2O	60 dB(A)	90,000 at 35 °C
	6-49/64" X 5-29/32" X 2-1/64"				315 CFM	1.02 inchH2O		
AR1725124XBTP	ø 172 X 150 X 51 mm	24 VDC	63.6 W ± 10%	4100 RPM ± 10%	8.9 m³/min	26.67 mmH2O	60 dB(A)	90,000 at 35 °C
	6-49/64" X 5-29/32" X 2-1/64"				315 CFM	1.05 inchH2O		
AR1725148XBTP	ø 172 X 150 X 51 mm	48 VDC	62.4 W ± 10%	4100 RPM ± 10%	8.9 m³/min	26.67 mmH2O	60 dB(A)	90,000 at 35 °C
	6-49/64" X 5-29/32" X 2-1/64"				315 CFM	1.05 inchH2O		
AR25089C115XBTP	ø 254 X 89 mm	100~120 VAC 50/60 Hz	23/35 W ± 10%	1450/16800 RPM ±10%	13/15.5 m³/min	10.92/11.94 mmH2O	45 dB(A)	80,000 at 35 °C
	ø 10" X 3-1/2"				460/550 CFM	0.43/0.47 inchH2O		
AR25089C230XBTP	ø 254 X 89 mm	200~240 VAC 50/60 Hz	23/35 W ± 10%	1450/16800 RPM ±10%	13/15.5 m³/min	10.92/11.94 mmH2O	45 dB(A)	80,000 at 35 °C
	ø 10" X 3-1/2"				460/550 CFM	0.43/0.47 inchH2O		
AR25089S115XBTP	ø 254 X 89 mm	100~120 VAC 50/60 Hz	60/75 W ± 10%	2600/2700 RPM ± 10%	23.2/24.4 m³/min	19.81/18.54 mmH2O	65 dB(A)	80,000 at 35 °C
	ø 10" X 3-1/2"				820/860 CFM	0.78/0.73 inchH2O		
AR25089S230XBTP	ø 254 X 89 mm	200~240 VAC 50/60 Hz	60/75 W ± 10%	2600/2700 RPM ± 10%	23.2/24.4 m³/min	19.81/18.54 mmH2O	65 dB(A)	80,000 at 35 °C
	ø 10" X 3-1/2"				820/860 CFM	0.78/0.73 inchH2O		
AR25089G115XBTM	ø 254 X 89 mm	100~120 VAC 50/60 Hz	95/105 W ± 10%	2800/3250 RPM ± 10%	23.8/28.3 m³/min	19.81/15.24 mmH2O	70/68 dB(A)	50,000 at 55 °C
	ø 10" X 3-1/2"				840/1000 CFM	0.78/0.60 inchH2O		
AR25089G230XBTM	ø 254 X 89 mm	200~240 VAC 50/60 Hz	95/105 W ± 10%	2800/3250 RPM ± 10%	23.8/28.3 m³/min	19.81/15.24 mmH2O	70/68 dB(A)	50,000 at 55 °C
	ø 10" X 3-1/2"				840/1000 CFM	0.78/0.60 inchH2O		
AR25089G440XBTM	ø 254 X 89 mm	440~480 VAC 50/60 Hz	95/105 W ± 10%	2800/3250 RPM ± 10%	23.8/28.3 m³/min	19.81/15.24 mmH2O	70/68 dB(A)	50,000 at 55 °C
	ø 10" X 3-1/2"				840/1000 CFM	0.78/0.60 inchH2O		
AR25089S12XBTP	ø 254 X 89 mm	24 VDC	64.8 W ± 10%	2400 RPM ± 10%	23.5 m³/min	19.81 mmH2O	60 dB(A)	90,000 at 35 °C
	ø 10" X 3-1/2"				830 CFM	0.78 inchH2O		
AR25089S24XBTP	ø 254 X 89 mm	24 VDC	63.6 W ± 10%	2500 RPM ± 10%	24.1 m³/min	21.08 mmH2O	60 dB(A)	90,000 at 35 °C
	ø 10" X 3-1/2"				850 CFM	0.83 inchH2O		
AR2508948XBTP	ø 254 X 89 mm	48 VDC	62.4 W ± 10%	2500 RPM ± 10%	20.31 m³/min	25.5 mmH2O	60 dB(A)	90,000 at 35 °C
	ø 10" X 3-1/2"				718 CFM	1.00 inchH2O		

Ariel Technology Inc.
9-1111 Gorham Street
Newmarket, Ontario
Canada L3Y 8X8

ARIELTECH®

Tel:905-895-5900
Toll Free:1-855-895-5900
www.arieltech.ca
sales@arieltech.ca