



i-maxx ACi4400 series tubeaxial fans

119 x 119 x 38mm (4.7 x 4.7 x 1.5 in)

Design Highlights:

- Very efficient EC motor with integrated electronics
- AC-line operated, speed is frequency independent

Advantages vs Equivalent AC fan:

- 75% less power consumption
- 3dB or more noise reduction
- Much longer service life
- Constant performance over a wide voltage range

General Characteristics:

- Air exhaust over struts, CW rotation looking at impeller
- Electrical connection via 2 flat pins, 2.8mm x 0.5mm (0.11" x .020")
- Fiberglass reinforced plastic; impeller PA, housing PBT
- Electronic locked rotor protection
- Ball bearings

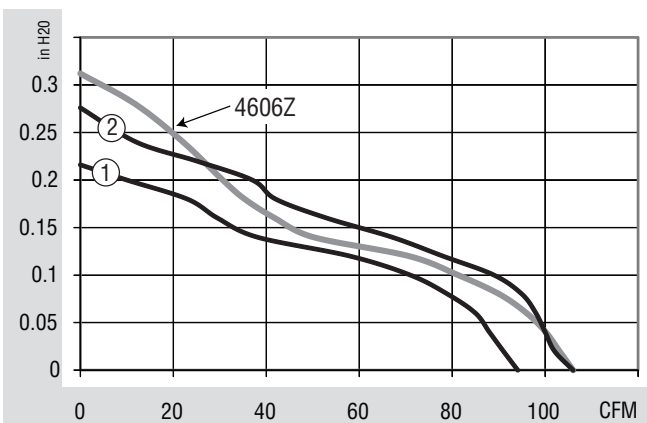
Part Number	Curve	CFM	VAC	Voltage Range	dB(A)	Bel(A)	Power Input (W)	Temp Range C	Speed (RPM)	Wgt. (lbs)	Service Life L ₁₀ (40° C)	Service Life L ₁₀ (T _{max})
ACi4420H	1	94.1	230	195 to 265	39	5.1	3.3	-20 to +75	3000	0.55	70,000	30,000
ACi4420HH	2	105.9	230	195 to 265	42	5.3	4.4	-20 to +75	3350	0.55	62,500	30,000
ACi4410HH	2	105.9	115	85 to 132	42	5.3	4.4	-20 to +75	3350	0.55	62,500	30,000

Comparison to ebm-papst AC fan (P/N 4606Z) with similar performance:

		ACi4410HH	4606Z*
Size	(mm)	119x119x38	119x119x38
Voltage Range	(VAC)	85-132	103.5-122
Nominal Speed	(rpm)	3350	3100
Flow @ 0" SP	(CFM)	105.9	105.9
Power @ 0" SP	(watts)	4.4	18
Ambient Temp Range	(°C)	-20 to +75	-40 to +85
Service Life L ₁₀ at 40C	(hours)	62,500	40,000
Sound Pressure	dB(A)	42	45
Sound Power	Bel(A)	5.3	5.6
Weight	lbs	0.55	1.19

*Other ebm-papst AC Fan Models

- 1) P/N 4606N has the same free air flow and mounting but opposite airflow direction.
- 2) P/N 4606X is the same as 4606N but with 3.7mm (0.146") diameter mounting holes.



ebmpapst

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Options:

- Flying Leads
- Protection from humidity, splash water or salt fog
- Speed variations
 - 3000rpm (94 CFM, 3.3 watts)
 - 2600rpm (82 CFM, 2.2 watts)
 - 2200rpm (70 CFM, 1.9 watts)
 - 1850rpm (59 CFM, 1.4 watts)

Safety Compliance

- CSA International File LR27697
Certificate #2335559
Class 3812-81, Fans & Blowers
Certified to US standards per UL507 requirements
Label marking



Dimensional Drawing: inches (mm)

