



Low to moderate airflow resin fans for various applications

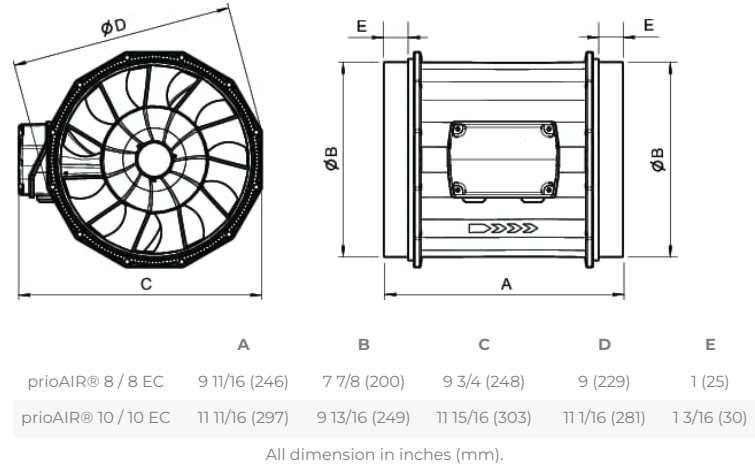
- 100% Leak-Free Housing
- Up to 7.0 cfm/W of Efficacy
- Quiet Operation
- Comes with Mounting Bracket

[Find more details in our online catalogue](#)

Technical parameters

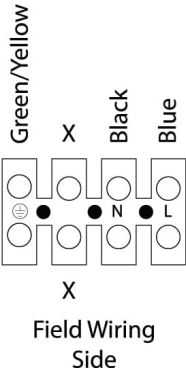
Nominal data	
Voltage (nominal)	120 V
Frequency	60 Hz
Phases	1~
Input power	96 W
Input current	0.801 A
Impeller speed	2899 rpm
Air flow	max. 646 cfm
Temperature of transported air	max. 131 °F
Protection/Classification	
Enclosure class, motor	IP44
Insulation class	B
Dimensions and weights	
Duct dimension; Circular, inlet	8 in.
Duct dimension; Circular, inlet	8 in.
Duct dimension; Circular, outlet	8 in.
Weight	7.5 lb
Optional	
Duct connection type	Circular
Color name, casing	Black
Motor type	AC
Material	Plastic

Dimension



Wiring

Motor Side



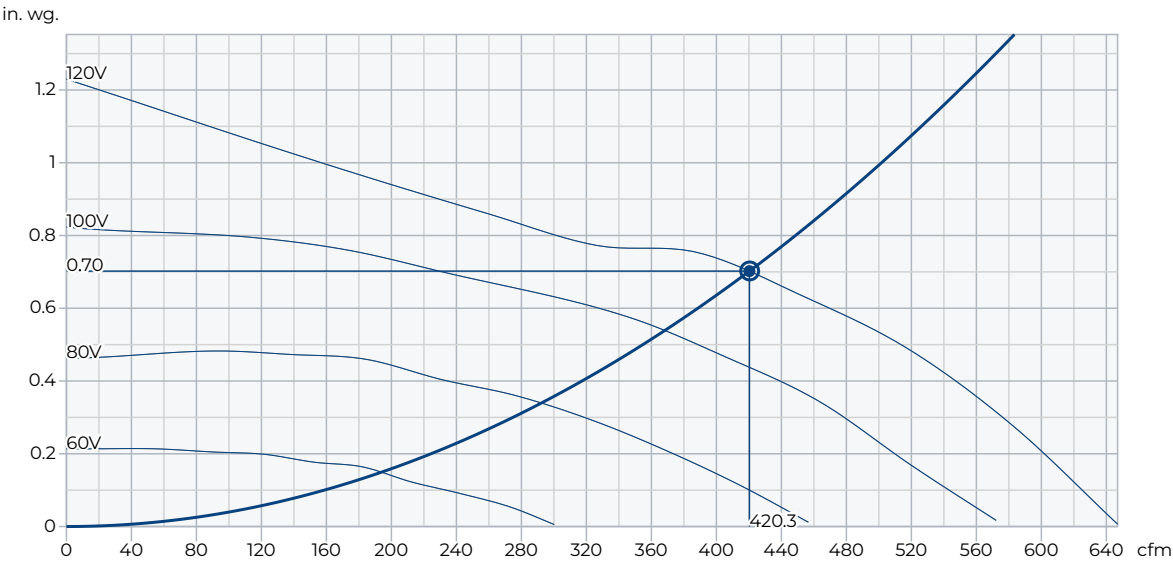
Factory Motor Wiring (For reference only)	Terminal Marking	Field Marking (to be completed by installer)
Color	Function	
Blue	L	Power supply 120VAC, 50/60 Hz
Black	N	Neutral conductor
Green/Yellow	PE	Protective conductor

Performances

CFM Table

Model	0.0" Ps	0.2" Ps	0.4" Ps	0.6" Ps	0.8" Ps	1.0" Ps	1.5" Ps	2.0" Ps
prioAIR® 6	295	252	195	38	-	-	-	-
prioAIR® 8	646	606	553	487	300	160	-	-
prioAIR® 10	1380	1324	1264	1200	1127	1043	546	37

Performance curve



Performance data														
Required air flow					420 cfm									
Required static pressure					0.70 in. wg.									
Working air flow					420 cfm									
Working static pressure					0.70 in. wg.									
Air density					0.075 lb/ft³									
Power					94 W									
Fan control - RPM					2,917 rpm									
Current					0.79 A									
Airflow efficiency					4.5 cfm/W									
Control voltage					120.0 V									
Supply voltage					120 V									
Sound power level					63	125	250	500	1k	2k	4k	8k	Total	
Inlet					dB(A)	63	57	65	64	64	61	57	50	71

AHU Accessories

- DHS 05 Humidity/Fan control (494044)
- FML 8 Metal Hood Supply Air (45148)
- LD 8 Silencer (411125)
- RSK 8 Backdraft Damper (411115)
- FC 8 Mounting Clamps (2 pcs) (411121)
- IPF05 Speed control (484164)
- PT6 Attic Thermostat (494085)
- WC 15 Speed control (411102)

Documents

- 484065 prioAIR® IOM
- E1474 prioAIR® EN
- prioAIR® AC CSI Specification