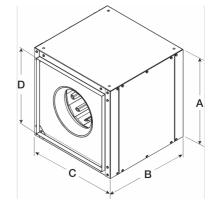
Job Name: Mark: Submitted By: Date: 08/12/2025

# Centrifugal Inline Fan, Variable Speed, Model SQ-100, Direct Drive, Vari-Green EC motor, 1/4HP, 115/208-230V, 1Ph, 459-1455 CFM



Model SQ, direct drive centrifugal inline fans feature a unique combination fo installation flexibility, rugged construction, ease of service, high efficiency and low sound levels. These compact fans are ideal for indoor clean air applications including exhaust, return or make-up where space is a prime consideration.

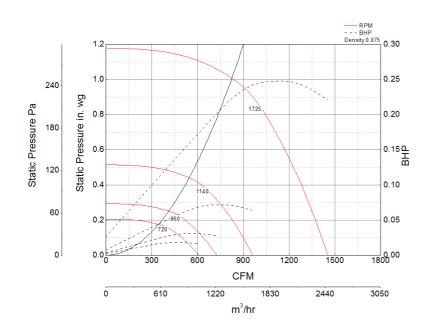
- •Compact size for height-restricted areas
- Aluminum backward inclined, nonoverloading centrifugal wheel design
- Inlet and discharge duct collars for easy duct connection
- Removable access panels permit easy access to interior components for cleaning and servicing
- Energy efficient, Vari-Green motor for maximum motor controllability.



#### Certifications

AMCA Sound & Air Performance UL/cUL 705

### **Performance Characteristics**



#### **Construction Features**

Drive Type	Direct Drive				
Impeller Type	Centrifugal Wheel				
Impeller Material	Aluminum				
Housing Material	Galvanized Steel				
Includes	Access Panel				
Includes	Disconnect switch				
Certifications	AMCA Sound &Air Performance				
Certifications	UL/cUL 705				
Speed Controllable	Yes				

## **Motor Information**

Service Factor	1.25
Phase	1
Voltage	115
Voltage	208
Voltage	230
Voltage	277
HP	1/4
Motor Enclosure	n/a
Motor Insulation	В
Thermal Protection	AutoOverload

# Air and Sound Performance

Motor HP	Max BHP	Max Fan RPM	Min Fan RPM	Ps (in. wg)	0	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1
1/4 0.02	0.02	720	0	CFM	607	459	786	657	1,227	1,156	1,078	982	831
	720	0	Sones	2.8	2	6.1	5.6	11.1	10.7	10.4	10	9.7	
1/4 0.03	860	0	CFM	607	459	786	657	1,227	1,156	1,078	982	831	
			Sones	2.8	2	6.1	5.6	11.1	10.7	10.4	10	9.7	
1/4 0.07	0.07	0.07 1140	0	CFM	607	459	786	657	1,227	1,156	1,078	982	831
	0.07			Sones	2.8	2	6.1	5.6	11.1	10.7	10.4	10	9.7
1/4	0.25	1725	0	CFM	607	459	786	657	1,227	1,156	1,078	982	831
				Sones	2.8	2	6.1	5.6	11.1	10.7	10.4	10	9.7



- •Greenheck Fan Corporation certifies that the model shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.
- •Performance certified is for installation type B: Free inlet, Ducted outlet.
- ${}^{\bullet}\textsc{Power}$  rating (BHP/kW) does not include transmission losses.
- ${}^{\bullet}\textsc{Performance}$  ratings do not include the effects of appurtenances (accessories).
- •The inlet sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type B: free inlet hemispherical sone levels.