

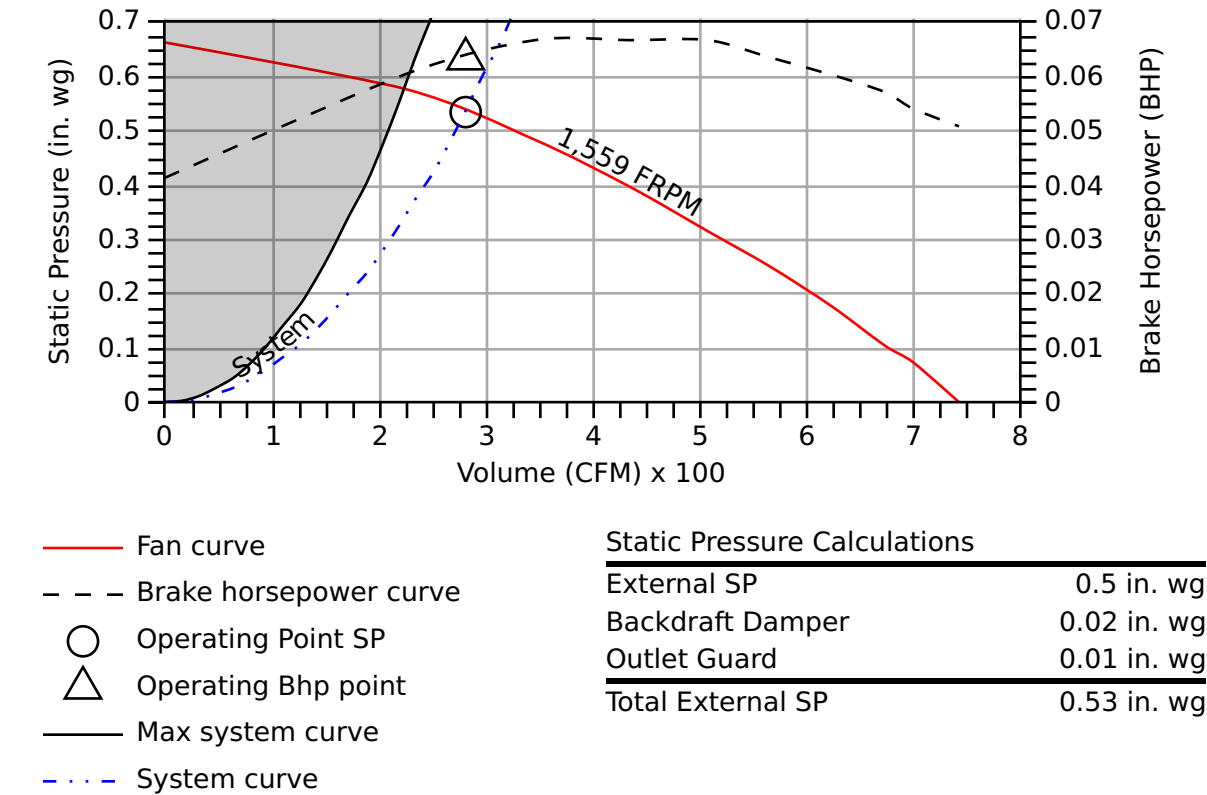
Model: SQ-90-VG

Direct Drive Inline Fan

Standard Construction Features: Galvanized steel housing (optional aluminum). Centrifugal backward inclined wheel. Direct driven motor in the air stream.

Fan Configuration	
Drive type	Direct

Performance	
Requested Volume (CFM)	280
Actual Volume (CFM)	280
Total External SP (in. wg)	0.53
Fan RPM	1,559
Operating Power (bhp)	0.06
Startup Power (bhp)	0.06
FEI	-
Air Stream Temp (F)	70
Start-up Temp (F)	70
Air Density (lbs/ft^3)	0.073
Elevation (ft)	904
Static Efficiency (%)	37
Outlet Velocity (ft/min)	280



Motor	
Size (hp)	1/6
V/C/P	230/60/1
NEC FLA (Amps)	1.5
Min Circuit Ampacity (MCA)	1.9
Max Overload Production (MOP)	15
Short Circuit Current Rating (SCCR)	5 kA

Sound

	Octave Bands (hz)								LwA	dBA	Sones
	62.5	125	250	500	1000	2000	4000	8000			
Inlet	77	74	69	62	58	55	51	43	66	54	7.5
Radiated	78	76	63	56	53	49	45	39	63	52	6.8

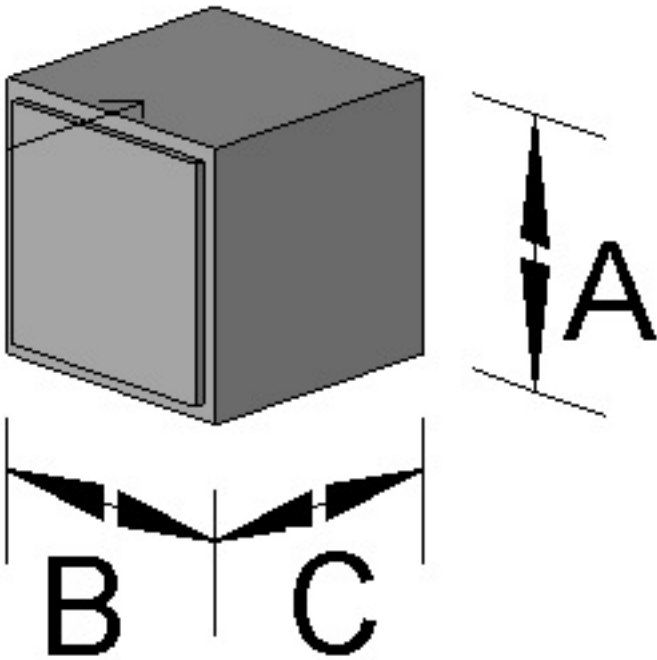
FLA - based on tables 150 or 148 of National Electric Code 2002. Actual motor FLA may vary, for sizing thermal overload, consult factory. MCA and MOP values shown only account for the motor, not accessories (damper actuator, field supplied VFD, etc.). SCCR is a rating on components and assemblies representing the maximum level of short-circuit current that a component or assembly can withstand without causing a fire or shock hazard. A short circuit exceeding this rating can cause catastrophic and violent equipment, component and enclosure failure.



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. The AMCA certified ratings seal applies to sound and air performance ratings only. Performance certified is for installation type B: Free inlet, ducted outlet. Power rating does not include transmission losses. Performance ratings do not include the effects of appurtenances. The AMCA licensed air and/or sound performance data has been modified for installation, appurtenances, etc. not included in the certified data. The modified performance is not AMCA licensed but is provided to aid in selection and applications of the product. The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: free inlet hemispherical sone levels. dBA levels are not licensed by AMCA International. The AMCA Certified Ratings Seal for Sound applies to inlet sone ratings only.



Dimensions and Weights		
Label	Value	Description
-	10.875	Impeller Diameter (in)
-	34	Weight w/o accessories (lbs)
A	15	Overall Height (in)
B	15	Overall Width (in)
C	16	Overall Length (in)
-	11.875	Inlet Width (in)
-	11.875	Inlet Height (in)
-	11.875	Outlet Width (in)
-	11.875	Outlet Height (in)



*All dimensions are in inches.