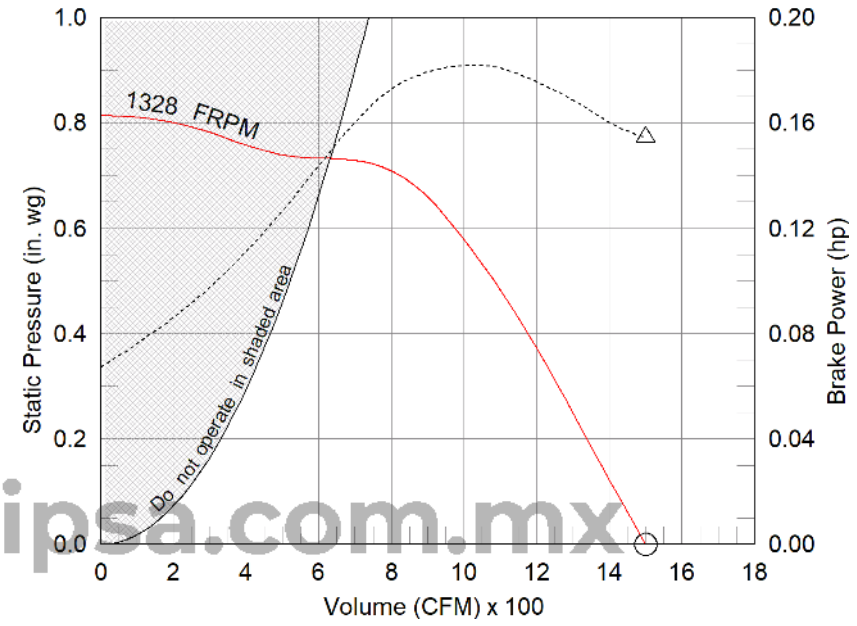
Model: SQ-120-VG

Direct Drive Centrifugal Inline Fan

Dimensional	
Quantity	2
Weight w/o Acc's (lb)	51
Weight w/ Acc's (lb)	60

Performance	
Requested Volume (CFM)	1,500
Actual Volume (CFM)	1,500
Total External SP (in. wg)	0
Fan RPM	1328
Operating Power (hp)	0.15
Elevation (ft)	5,138
Airstream Temp.(F)	70
Air Density (lb/ft3)	0.062
Tip Speed (ft/min)	4,564
Static Eff. (%)	0

Misc Fan Data	
Fan Energy Index (FEI)	-
Outlet Velocity (ft/min)	872



Operating Bhp point
Operating point at Total External SP
Fan curve
System curve
Brake horsepower curve

Motor	
Motor Mounted	Yes
Size (hp)	1/2
Voltage/Cycle/Phase	115/60/1
Enclosure	ODP
Motor RPM	1725
Windings	1
FLA (Amps)	6.4
Min. Circuit Ampacity (MCA)	8
Max. Overcurrent Protection (MOP)	15
Short Circuit Current Rtg (SCCR)	5 kA

Nameplate Model: SQ-120-VG-X

Sound Power by Octave Band

Sound Data	62.5	125	250	500	1000	2000	4000	8000	LwA	dBA	Sones
Inlet	69	70	72	70	63	61	58	51	71	59	9.2
Radiated	70	71	66	64	58	56	53	47	66	54	7.1

Notes:

All dimensions shown are in units of in.
*NEC FLA, MCA and MOP are for reference only – based on tables 430.248 or 430.25 of National Electric Code 2020. 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).
LwA - A weighted sound power level, based on ANSI S1.4
dBA - A weighted sound pressure level, based on 11.5 dB attenuation per Octave band at 5 ft - dBA levels are not licensed by AMCA International
Sones - calculated using AMCA 301 at 5 ft

pipsa.com.mx

Model: SQ-120-VG

Direct Drive Centrifugal Inline Fan

Greenheck model SQ Mixed Flow meets or exceeds legacy centrifugal models SQ/BSQ in performance and features. SQ Mixed flow is an approved equal and can be considered a direct replacement for these models.

Standard Construction Features:

- Galvanized steel housing - Backward inclined composite (sizes 60-95) or aluminum (sizes 97-160) wheel - Two bolted access panels - Integral duct connection flanges - Ball bearing motors (sizes 97-160 and all vari-green motors), sleeve bearing motors (sizes 60-95) - Corrosion resistant fasteners

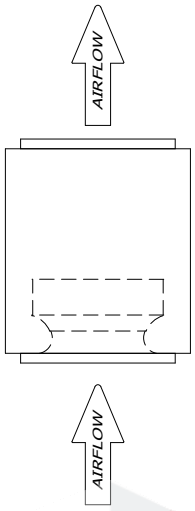
Selected Options & Accessories:

Motor - Vari-Green EC motor
Control - Vari-Green Dial on Exterior of Fan Housing, Mounted and Wired
UL/cUL 705 Listed - "Power Ventilators"
Junction Box Mounted and Wired
Switch, NEMA-1, Toggle, Shipped Separate
Galvanized Housing
Aluminum Centrifugal Wheel
Motor Cover, Galvanized
Unit Warranty: 1 Yr (Standard)

pipsa.com.mx

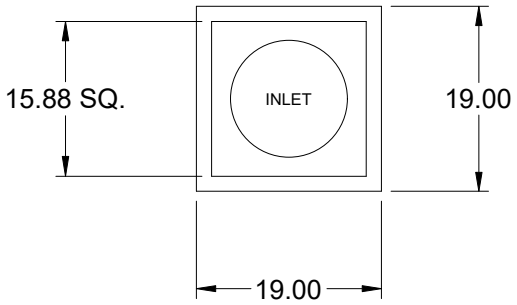
SQ-120-VG

Direct Drive Centrifugal Inline Fan

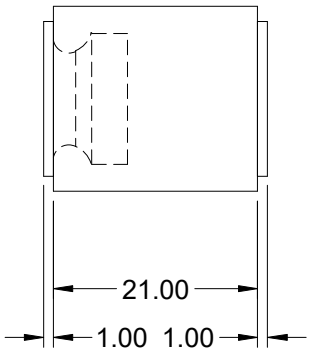


TOP VIEW

pipsa.com.mx



END VIEW



SIDE VIEW

Notes: All dimensions shown are in units of in.

Vari-Green
Motor & Control Options

An EC motor that uses AC input power and internally converts it to DC power. Motor accepts a 0-10VDC control signal along with a 24V source to power controls in the motor. Motor is operable in the 2-10VDC range and off while in the 0-1.9VDC range. Vari-Green motors feature a soft-start and inherent thermal and current protection built into each unit. Inrush current at start up is eliminated and the motor will automatically reduce speed or turn off if overloaded or it becomes too hot.
A control that allows remote adjustment to the motor rpm (fan speed). This control includes a wall plate with dial that may be mounted to a standard 2x4 electrical junction box. This control requires an input voltage of 24V (by others) to power the controller.

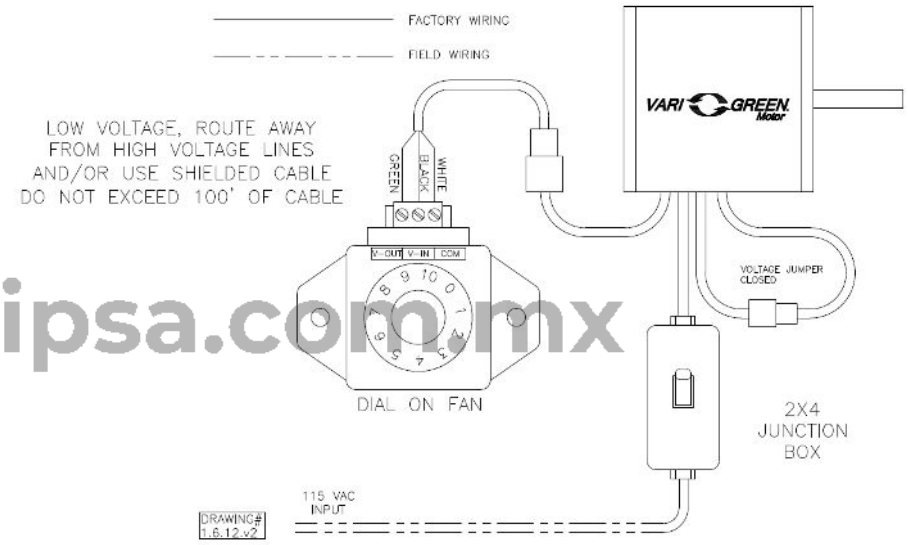
Motor Configuration

Input Voltage:	115
Speed Reference:	0-10VDC
Permanent Dial:	No
Balance Dial Included:	No

Control Configuration

Control Type:	Dial on Fan
Transformer:	None

Vari-Green



pipsa.com.mx

Dimensional Detail