

SUBMITTAL

Job Name: **HFK Housing**

Elevation: (ft) 108

Date: 11/24/2021

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Model: CSP-A700

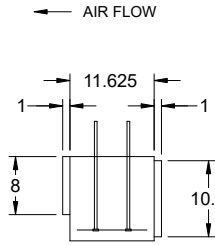
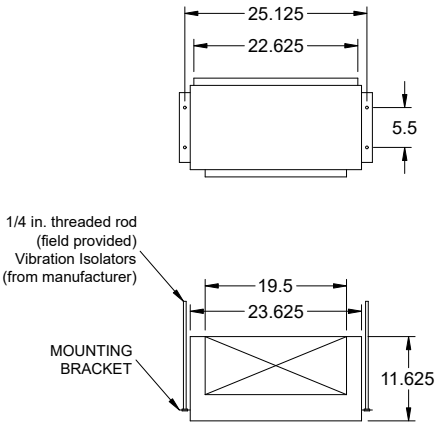
Inline Cabinet Fan

Standard Construction Features:

- Galvanized steel housing - Sound absorbing insulation - Outlet duct collar with integral spring loaded back draft damper - Forward curved wheel - Plug type disconnect - Adjustable mounting brackets - Square duct connection - Dual galvanized steel scroll design - Field rotatable discharge

Selected Options & Accessories:

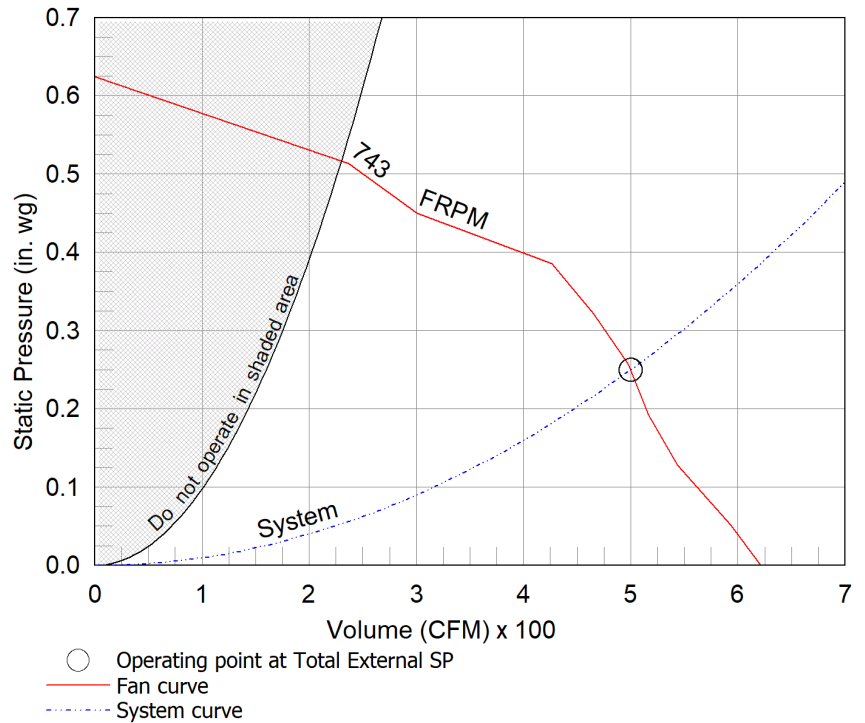
Motor rated for continuous use
Motor with Thermal Overload
Motor with CSA Approval
Motor with 40 Degree C Ambient Temperature
UL/cUL 507 Listed - Electric Fan
Solid State Speed Control, 6 Amp, Shipped Loose
Isolation Kit, (PN: VI KIT-SP/CSP), Shipped Loose
Adjustable easy installation mounting bracket
Polypropylene Wheel Material



Dimensional	
Quantity	1
Weight w/o Acc's (lb)	34
Weight w/ Acc's (lb)	36

Performance	
Requested Volume (CFM)	500
Actual Volume (CFM)	500
Total External SP (in. wg)	0.25
Fan RPM	743
* FLA (A)	3.3
Elevation (ft)	108
Airstream Temp.(F)	70
Air Density (lb/ft3)	0.075
Sones	2.0

Motor	
Motor Mounted	Yes
** Input Watts (W)	368
Voltage/Cycle/Phase	115/60/1
Enclosure	ODP



Notes:

All dimensions shown are in units of in.
*FLA is approximate and will vary slightly with the motor.
Sones - calculated using AMCA 301 at 5 ft
** Wattage is approximate and may vary between motors.



AMCA



AMCA Licensed for Air Performance Without Appurtenances and Accessories. Power rating (BHP/kW) does not include transmission losses.

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 comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings seal applies to air performance ratings only. Performance certified is for installation type D: Ducted inlet, Ducted outlet. Performance ratings include the effects of a backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are for loudness values in spherical sones at 5 ft. (1.5m) in a spherical free field calculated per Annex B of AMCA 311. Values shown are for installation type D: ducted inlet spherical sone levels. Ratings do not include the effects of duct end correction. Ratings are based on 10 ft. of insulated duct.

The AMCA licensed air and/or sound performance data has been modified for installation, appurtenances or accessories, 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.

IDHB Duct Heater

APPLICATION & DESIGN

The IDHB series is a basic lower cost duct heater with limited sizes. The IDHB has the following features:

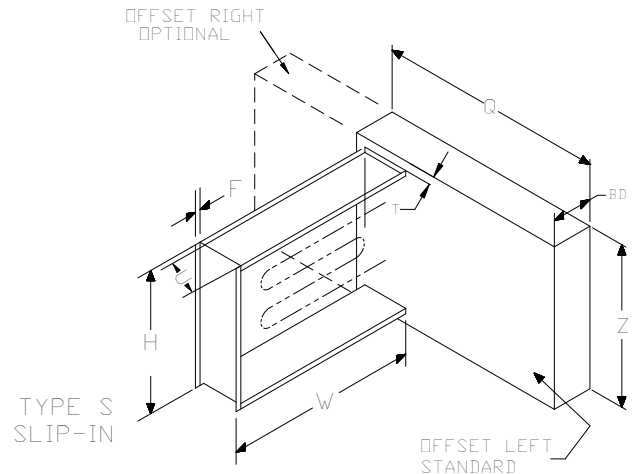
- UL 1996 certified
- 50/60 Hz compatibility
- Zero clearance rating
- Fan interlock
- Power and control terminal boards
- Automatic reset thermal safety switch for primary over temperature protection
- Heavy gage G60 construction with hinged access cover

PRODUCT DETAILS

Airflow Direction	Horizontal
Control Box Offset	Left
Control Voltage	24 VAC
Deration	None
Element Wire	Standard
Heater Type	Slip In
Heater Voltage/Phase	208/1
Stainless Hardware	No
Power Fusing	No Preference

OPTIONS & ACCESSORIES

Airflow Switch	None
Control Transformer	Unfused
Contactors	Magnetic
Disconnect Switch	Yes
Thermostat	Room
Fan Interlock	Yes
Vapor Barrier	No
Dust Tight Box	No
Pilot Light	None
Time Delay Relay	None



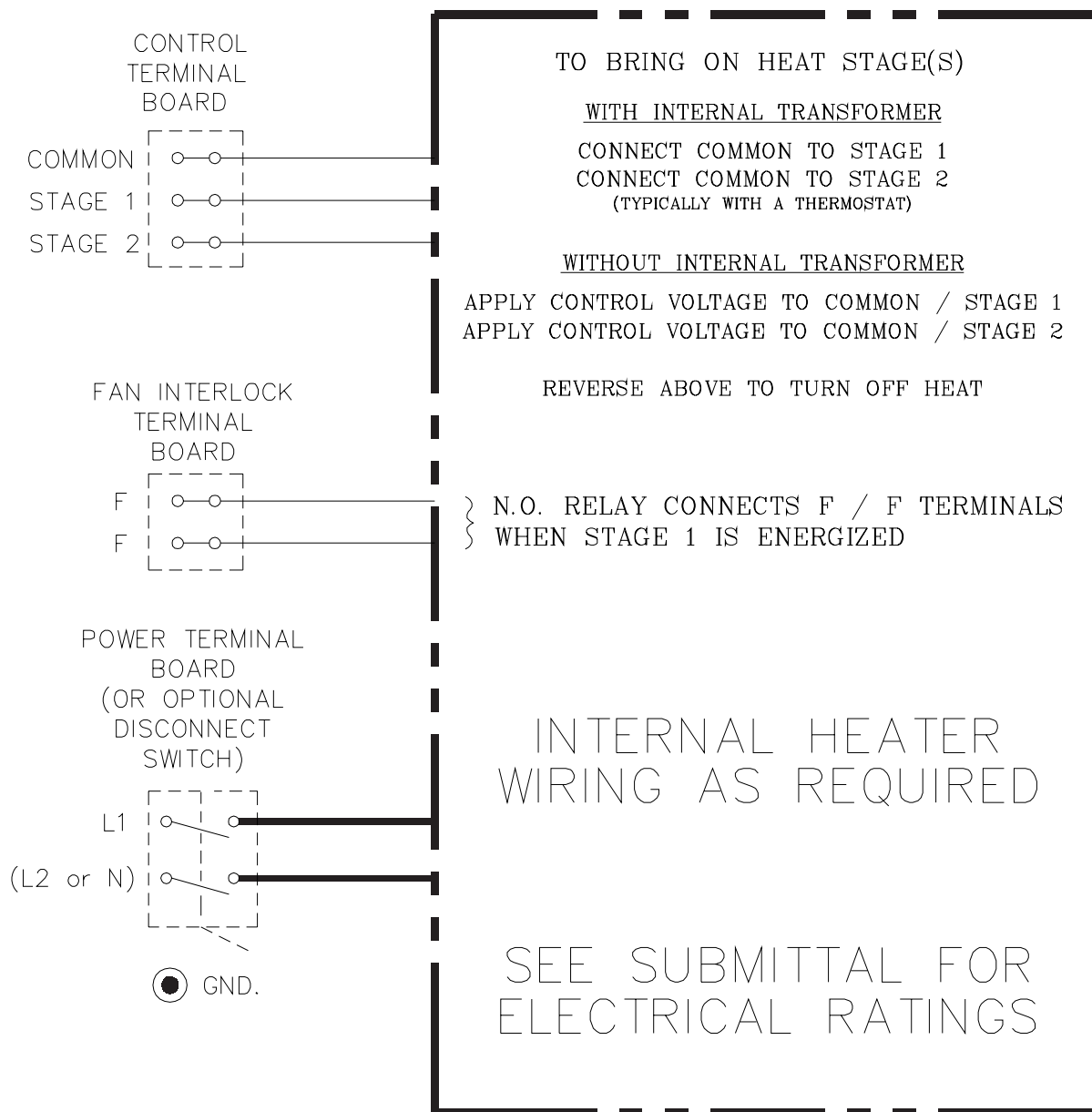
- This drawing shows a general damper configuration and is not intended to depict the exact configuration of the heater.
- All dimensions shown are in units of in.
- Individual maximum capacities are dependent on voltage/phase, control type and heater dimensions.
- Capacity: 39.9 kW maximum
- Greenheck duct heaters are universally configured to allow airflow in either direction in horizontal ducts.

ID #	TAG	QTY	WIDTH	HEIGHT	CONFIGURATION			
					Kilowatts: 5	Stages: 2	Amps: 24.038	Heater Control: Stage
1-1		1	20.000 in.	8.000 in.	Power Fusing: No	Dimension Q: 20.000 in.	Dimension Z: 10.000 in.	Dimension BD: 4.500 in.
					Dimension U: 4.875 in.	Dimension T: 1.000 in.		

Air Velocities

ID #	BELOW 78°F INLET AIR (CFM)	78-90°F INLET AIR (CFM)	91-110°F INLET AIR (CFM)	BELOW 78°F INLET AIR (FPM)	78-90°F INLET AIR (FPM)	91-110°F INLET AIR (FPM)
Row ID 1-1	405	505	675	365	455	605

DIAGRAM GQ-106



1-PHASE
ELECTRICAL CONNECTIONS FOR
A DUCT HEATER WITH A
FAN INTERLOCK RELAY &
BASIC 24VAC OR 120VAC CONTROL
(2 STAGES)



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