

Performance Data HF05 35 CFM (59 m<sup>3</sup>/hr.) Side-Mount Filter Fans


ELECTRICAL DATA				
Rated Voltage	115	230	24*	48*
Frequency (Hz)	50/60	50/60	—	—
Nominal Current Maximum (Amps)	.16/.14	.12/.10	.35	.17
Power Consumption Maximum (Watts)	11.0/10.0	15.0/14.0	8.4	8.2
Power Connection	Terminal Block			
TYPE 12 / IP54 FILTER FANS				
RAL 7035 Light Gray:				
Catalog Number	HF0516414	HF0526414	HF0524414	HF0548414
RAL 9011 Black:				
Catalog Number	HF0516413	HF0526413	HF0524413	HF0548413
Free Airflow (CFM / m <sup>3</sup> /hr.)	35/59	35/59	35/59	35/59
Airflow with 1 Exhaust Grille (CFM / m <sup>3</sup> /hr.)	23/39	23/39	23/39	23/39
Airflow with 2 Exhaust Grilles (CFM / m <sup>3</sup> /hr.)	28/48	28/48	28/48	28/48
TYPE 12 / IP55 FILTER FANS				
RAL 7035 Light Gray:				
Catalog Number	HF0516514	HF0526514	HF0524514	HF0548514
RAL 9011 Black:				
Catalog Number	HF0516513	HF0526513	HF0524513	HF0548513
Free Airflow (CFM / m <sup>3</sup> /hr.)	12/20	12/20	12/20	12/20
Airflow with 1 Exhaust Grille (CFM / m <sup>3</sup> /hr.)	8/14	8/14	8/14	8/14
Airflow with 2 Exhaust Grilles (CFM / m <sup>3</sup> /hr.)	9/15	9/15	9/15	9/15
FILTER FAN UNIT CONSTRUCTION				
Fan RPM	2600/2900	2600/2900	3200	3200
Sound Pressure (dBA at 50/60 Hz)	40/44	40/44	40/44	40/44
Operating Temperature Range:				
Maximum (°F / °C)	131/55	131/55	149/65	149/65
Minimum (°F / °C)	14/-10	14/-10	-4/-20	14/-10
Service Life (hours) at 40 C	40,000	40,000	100,000	100,000
Unit Dimensions - H x W x D (in. / mm)	6.15 x 6.16 x 3.98/156 x 157 x 101			
Cutout Dimensions - H x W (in. / mm)	4.92 x 4.92/125 x 125			
Weight (lb. / kg)	1.77/.80			
TYPE 12 / IP54 EXHAUST GRILLES				
RAL 7035 Light Gray:				
Catalog Number	HG0500404	HG0500404	HG0500404	HG0500404
RAL 9011 Black:				
Catalog Number	HG0500403	HG0500403	HG0500403	HG0500403
TYPE 12 / IP55 EXHAUST GRILLES				
RAL 7035 Light Gray:				
Catalog Number	HG0500504	HG0500504	HG0500504	HG0500504
RAL 9011 Black:				
Catalog Number	HG0500503	HG0500503	HG0500503	HG0500503
ACCESSORIES				
Replacement Filters:				
Type 12 / IP54 Catalog Number	89134424R	89134424R	89134424R	89134424R
Type 12 / IP55 Catalog Number	89136408R	89136408R	89136408R	89136408R
Thermostat Catalog Number (°F)	THERM16F	THERM26F	—	—
Thermostat Catalog Number (°C)	THERM16C	THERM26C	—	—
Shroud Catalog Number	HH05GS35001, HH05GS61001, HH05SS04001			

Above airflow rates at 60 Hz; see performance curves for airflow at 50 Hz and more details.

Unit depth is from the back edge of the grille to the back of the fan.

Exhaust Grilles sold separately.

\* This indicates a DC Voltage.

## THERMOSTAT CONTROLLER



### FEATURES

- Mechanical thermostat for controlling filter fans and heaters
- Registers surrounding air and can switch inductive and resistive loads via snap-action contact
- Clips for vertically mounting on 35 mm DIN rail (EN 60715)
- An integrated resistor (RF) can be connected to improve the switch temperature difference



### FINISH

- RAL7035 light gray
- Plastic housing UL94V-0

### NOTES

- The contact system of the regulator is subjected to environmental influences and contact resistance may change which can lead to a voltage drop and/or self-heating of contacts
- If the Normally Closed contact is used, the switch temperature difference could be reduced by connecting terminal "N" (RF heating resistor). It causes thermal feedback which is subject to surrounding conditions and thus has to be determined for each individual application.
- Voltage only needs to be specified if the optional use of the RF resistor is desired

### INDUSTRY STANDARDS

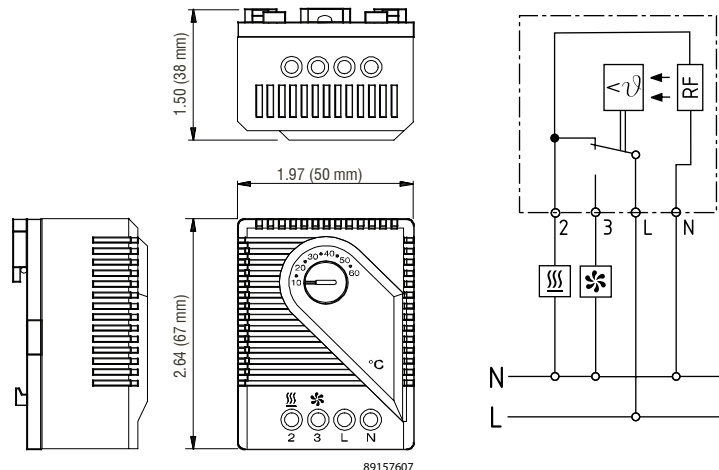
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CE

### Performance Data Thermostat Controller

CATALOG NUMBERS				
	THERM16F	THERM26F	THERM16C	THERM26C
<b>DESIGN DATA</b>				
Control Range	40 to 140 F		5 to 60 C	
Switching Differences:	Approximately 9 F (5K), tolerance -5.4/+3.6 F (-3/+2K)			
Bimetal controllers	Snap contact as break contact-NC			
Contact	Make contact-NO			
Switching Capacity:				
Minimum switching capacity	10 mA			
Maximum switching capacity, NC	10 A resistive / 4 A inductive @ AC 115V 10 A resistive / 4 A inductive @ AC 250V DC 30 W			
Maximum switching capacity, NO	5 A resistive / 2 A inductive @ AC 115V 5 A resistive / 2 A inductive @ AC 250V DC 30 W			
<b>Supply Voltage</b>	<b>115V</b>	<b>230V</b>	<b>115V</b>	<b>230V</b>
Protection	IP20			
Sensor	Bimetal			
Power Connection	4-pole terminal, clamping torque 0.5 Nm maximum: solid/stranded wire, 14 AWG maximum (2.5 mm)*			
Ambient Temperature (°F / °C)	-4 to 176 F		-20 to 80 C	
Storage Temperature (°F / °C)	-49 to 149 F		-45 to 65 C	
<b>UNIT CONSTRUCTION</b>				
Temperature Display	Fahrenheit		Celsius	
Unit Dimensions - H x W x D (in./mm)	2.64 x 1.97 x 1.50/67 x 50 x 38			
Weight (oz/g)	2.00/60			

\*When connecting with stranded wires, wire end ferrules must be used



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