

EK SERIES

ELECTRIC DUCT HEATER

NEW



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Electric Duct Heater (1-60 kW) Accessory

SPECIFICATIONS

Heater Type:
Electric Duct Heater

Typical KW Range:
1-60 kW

Standard Features:
A disconnecting magnetic control contactor per stage or each 48 Amp circuit within a stage
Open-coil element
Staged on/off
Control terminal board
Grounding lugs
Automatic limit switch for primary over-temperature protection
Manual reset limit switch for secondary over-temperature protection
Non-adjustable airflow switch
Standard control transformer - 24 VAC
Disconnect switch
Duct thermostat with sensor for on/off control
60-20-20 (Ni/Cr/Fe) C Grade element wire with nickel-plated terminals
Slip-in mount
No left/right hand
Vertical up/down flow

Voltages & Phase:
Single phase - 120, 208, 240, 277
Three phase - 208, 240, 480, 600

Control Voltage:
24 VAC

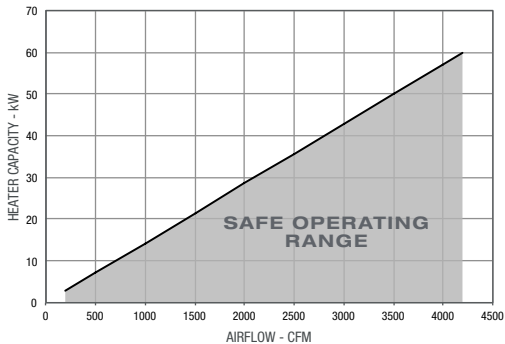
Dimensions:
Minimum - 8" x 8" (W x H)
Maximum - 40" x 20" (W x H)

Options:
Flange mount
80-20 (Ni/Cr) A Grade element wire with stainless steel terminals
Recessed control box 1"
Gasketed cover - dust tight
Power fusing, standard for heaters drawing more than 48 Amps
2-stage
120 VAC transformer
Electronic step controller (4-stage)
SCR (up to 96 Amps)
SCR Vernier (over 96 Amps)
Time delay relay
Pilot light

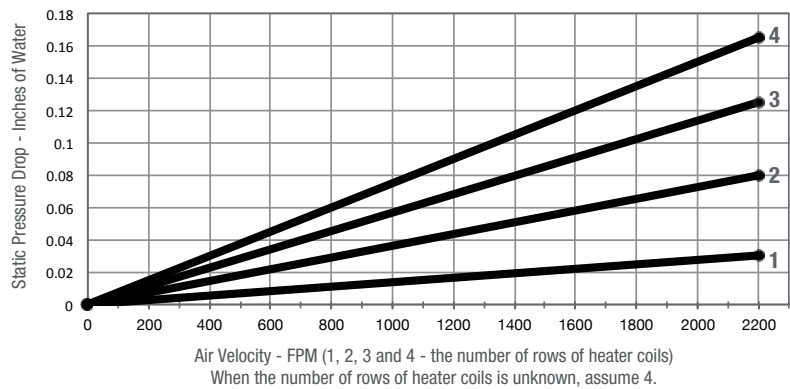
Accessory:
Room thermostat
Room/duct thermostat-sensor kit for SCR control

Note: Electric duct heater designed for indoor ductwork installation only.

EK SERIES HEATER CAPACITY



PRESSURE DROP THROUGH HEATER



Air Velocity - FPM (1, 2, 3 and 4 - the number of rows of heater coils)
When the number of rows of heater coils is unknown, assume 4.

FLIPPABLE CAPABILITIES

Unique to the EK series, this unit has the ability to flip 180°. Additionally, EK heaters features both vertical up and vertical down airflow.

