

EMC

Wall or Ceiling-Mounted,
Cabinet Unit Heater

Universal mounting

Model EMC cabinet heater offers a wide range of power ratings, voltage and control options. Most installations benefit from the heater's custom advantages.

The cabinet heater can be mounted on the floor, wall or ceiling. It can also be recessed (wall or ceiling) as required.

The fans are powered by two-speed motors with permanently lubricated sleeve bearings for many years of trouble-free service.

The blower wheel is mounted directly on the motor shaft, which reduces the noise level. No belts or bearing blocks are required for the blowers.

Four cabinet sizes are available.



hallway

entry way

exhibition center

Features

Color

- Standard: white.
- Optional: almond, metallic silver, bronze, metallic charcoal, textured black, beige-grey, aluminum.
- Custom colors available upon request.

Finish

- Standard: epoxy/polyester powder paint.

Voltage

- 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-phase.

Construction

- 18-gauge steel.
- Extruded aluminum bar grilles prevent insertion of foreign objects.
- Optional fresh air inlet damper.
- Optional air filters.
- High-limit temperature control with automatic reset.
- 240V control circuit included.

Fan

- Direct drive, variable speed squirrel-cage fan operating.
- Fan delay.
- 240V/208V factory-lubricated motor (1/15 HP).

Heating element

- Durable tubular heating element with fins.

Lengths

- Four cabinet lengths are available: 28 in. (711 mm), 48 in. (1219 mm), 66 in. (1676 mm), 80 in. (2032 mm).

Control

- Wide range of control available.
- For greater comfort, it is highly recommended that a wall mounted thermostat be used.*

Installation

- Multi-position mounting (surface, semi-recessed, recessed).
- Maximum recommended installation height: 10 ft. (3 m).
- Recess trim kit available for recessed or semi-recessed units.
- Sub-base and special back plate available.

Warranty

- 1-year warranty against defects.

If you have a black & white printed catalog, you can view this page in color at www.RezSpec.com

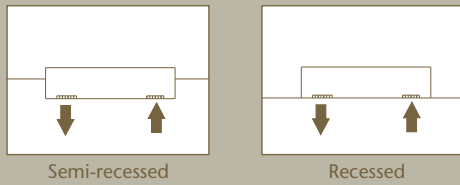
Standard



Optional



Ceiling



HG12 type mounting only

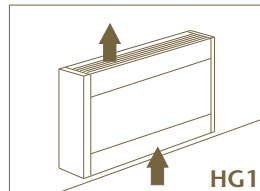
Wall



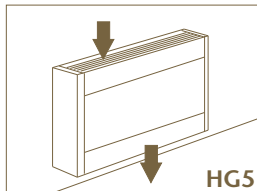
HG4, HG8 type mounting only

Inlet Air	Discharge Air	Wall Mount
Bottom	Top	HG1
Bottom	Upper front	HG2
Lower front	Top	HG3
Lower front	Upper front	HG4
Top	Bottom	HG5
Top	Lower front	HG6
Upper front	Bottom	HG7
Upper front	Lower Front	HG8
Inlet Air	Discharge Air	Ceiling Mount
Horizontal side	Horizontal side	HG9
Horizontal side	Vertical down	HG10
Vertical up	Horizontal side	HG11
Vertical up	Vertical down	HG12

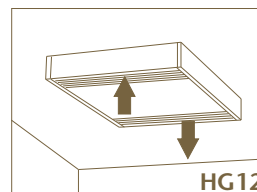
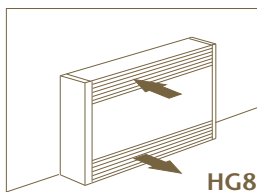
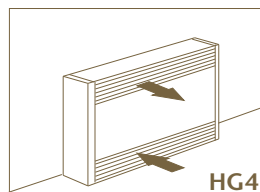
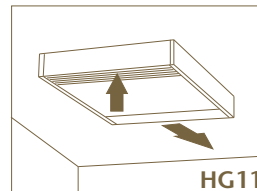
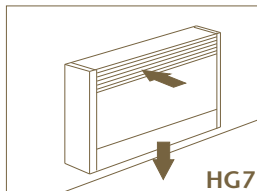
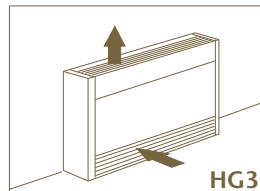
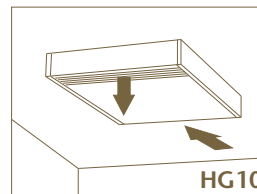
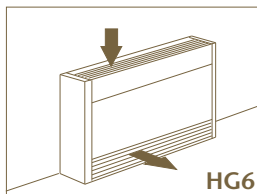
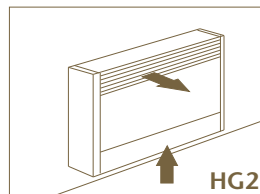
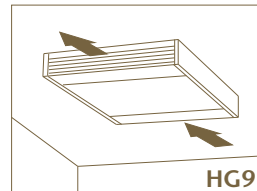
Wall Mounted
Up Air Flow Units



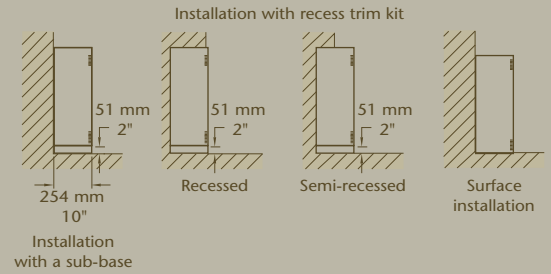
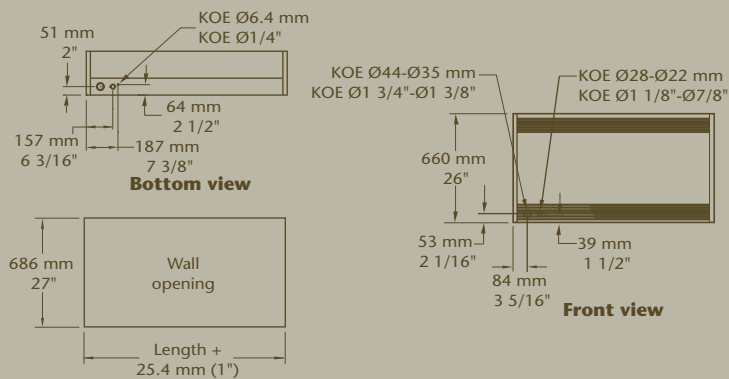
Wall Mounted
Down Air Flow Units



Ceiling Mounted Units



HG4, HG8 and HG12: These are the only configurations allowed for a recessed or semi-recessed mounting installation.



KOE: Knock Out Entry.

EMC	Cabinet Unit Heater	Size	2	3	4	5	6	8	10	12	15	18	20	24	
		kW	2	3	4	5	6	8	10	12	15	18	20	24	
		cfm	Hi	250	250	250	250	250	500	500	500	750	750	1000	1000
			Lo	200	200	200	200	200	400	400	400	600	600	800	800
	Length (in.)		28	28	28	28	28	48	48	48	66	66	80	80	
	Shipping Weight (lbs)		115	115	115	115	115	146	146	146	210	210	240	240	

Factory Installed Options

Size			2	3	4	5	6	8	10	12	15	18	20	24
Supply Voltage/Phase	208/1	AK2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	208/3	AK5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	240/1	AK3E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	240/3	AK6E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	277/1	AK4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	347/1	AK34	✓	✓	✓	✓	✓	✓	✓	✓	■	■	■	■
	480/1	AK9E	✓	✓	✓	✓	✓	✓	✓	✓	■	■	■	■
	480/3	AK7E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	600/1	AK10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	600/3	AK8E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cabinet Color (Lead Times May Be Increased for Colors Other than White)	White (STD)	HK1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Almond	HK2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Metallic Silver	HK3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Bronze	HK4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Metallic Charcoal	HK5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Textured Black	HK6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Beige-Grey	HK7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Aluminum	HK8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Special Color	SPEC	Call for quote (volume order only)											
Control Voltage	208V, 240V ^A	STD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	24V with Transformer	BT1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unit Mounted Switches ^T	On/Off (Summer Shutdown) Switch	BF10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	On/Auto Fan Switch	BF23	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Hi/Low Fan/Heat Switch	BF24	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fresh Air Inlet ^U	with Manual Damper	ARB2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	with Motorized Damper	ARB4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Disconnect Switch	600V, Three Pole, 40A	BA14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	600V, Three Pole, 80A	BA15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Branch Circuit Fusing		BA12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Manual High Limit		BD6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Internal Tamperproof Thermostat	1-Stage	IC15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Size			2	3	4	5	6	8	10	12	15	18	20	24

^A Standard voltage is 208V/240V unless otherwise noted.

^T Select appropriate relay to match unit mounted switches.

^U Do not use with built-in thermostat.



Field Installed Options (Shipped Separately)

Size			2	3	4	5	6	8	10	12	15	18	20	24
Wall Mounted Thermostat	Single-pole, low-voltage thermostat ^L	CL1A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Single-pole, single-stage thermostat	CL5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24V Control Relay Kit ^G	Without transformer	IR24	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	24V relay with transformer ^H	IR2B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filters (Wall Mounted Units Only)	Standard	HZ3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Washable	HZ4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sub-Base	2" sub-base for wall-mounted	HY7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Color Matched Trim Options	Recessed trim kit	HY4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Smooth finish back plate ^X	HY5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Size			2	3	4	5	6	8	10	12	15	18	20	24

^G IR24: 24V signal by others (multiple units per thermostat). IR2B: For 24V thermostat on each unit.

^H All heaters have a 240V control circuit.

^L CL1A thermostat requires option BT1.

^X For mounting heater on glass wall. Configurations HG3, HG4, HG6, HG8 only.