



## APPLICATIONS

Heavy duty unit heaters for horizontal or vertical mounting. Ideal for space heating of larger areas such as warehouses, open plan stores, sports halls, factories and workshops. Also for anti-condensation heating in plant rooms. When mounted with vertical discharge, can be used to recirculate high level hot air for improved heating efficiency.

## FEATURES

- Rugged heavy duty finned metal sheathed elements
- Totally enclosed permanently lubricated motor for increased reliability
- Automatic reset over temperature cut out for added safety
- Fan delay switch to purge unit of residual heat on switch off
- Draw through design for efficient air circulation
- Adjustable directional louvres for optimum airflow
- Flexibility of horizontal or vertical mounting

## OPTIONS



- Integral hydraulic de-stratification thermostat (CUH-TH)
- Integral fan only switch (CUH-FSW)
- Integral 240V contactor for ease of installation (CUH-C)
  - standard over 7.5kW
- Remote thermostat with on/off switch (CUH-RTH)
- Mounting bracket for wall or ceiling mounting
- Eye bolt set for ceiling suspension (CUH-EYE)

## SELECTION

CUHs are designed for use as space heaters. For satisfactory performance their total output must be sufficient to overcome the area's heat loss. The average temperature rise across the unit is 20°C and thus the CUH is not recommended for 'spot' heating.



### Get In Touch

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### Our Address

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If even heating is important, several units spaced around the area will give optimum conditions. Fewer high capacity units will give lower installation costs at the expense of evenness of heat. In each case, the heaters should be positioned against outside walls and in areas of greatest heat loss. Their airflows should support each other, creating a circulating air movement. Ideally the total air volume of the space should pass through the heaters about three times per hour. The addition of centrally mounted 'vertical' units and/or installing CDF De-Stratification fan units will reduce stratification and improve overall space heating efficiency.

Integral or remote thermostats are recommended. Three phase units are supplied complete with integral contactors to facilitate easy control.

INSTALLATION

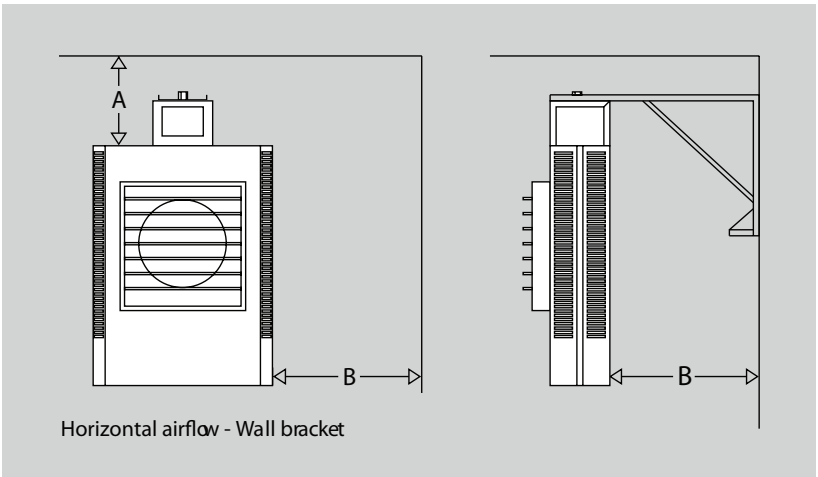
For optimum performance the heater should not be mounted higher than the maximum height shown in the table. The heaters should not be mounted at a height of less than 2.2m, 3.3kW - 5kW units not closer than 300mm to wall or ceiling and 7.5kW - 40kW not closer than 450mm to ceiling and 600mm to wall. Standard brackets maintain these clearances.

All electrical connections should be made by a suitably qualified person in accordance with the latest edition of the IEE Requirements for Electrical Installation (BS 7671:2008).

MOUNTING

Standard mounting brackets are recommended. They ensure minimum clearances are maintained. Selection as per table below. Vertical airflow units can be suspended from chain using the CUH-EYE eye bolt set.

Airflow	Heater	Bracket	A mm	B mm
Horizontal	03 - 05	C35	300	300
	07 - 15	C720	450	600
	20 - 40	C2550	450	600
Vertical	03 - 05	VB35	300	300
	07 - 15	VB720	450	600
	20 - 40	V2550	450	600



CAT No.		kW	Volts	Phase	Length mm	Height mm	Depth mm	Max mtg ht (m) Horz    Vert	Weight kgs
CUH-03-1	Integral contactor	3.3	230	1P	368	450	165	2.8    2.8	12.0
CUH-03-3C	Integral contactor	3.3	400	3PN	368	450	165	2.8    2.8	12.0
CUH-05-1C	Integral contactor	5.0	230	1P	368	450	165	2.8    2.8	12.0
CUH-05-3C	Integral contactor	5.0	400	3PN	368	450	165	2.8    2.8	12.0
CUH-07-3C	Integral contactor	7.5	400	3PN	546	620	165	3.0    3.7	23.0
CUH-10-3C	Integral contactor	10.0	400	3PN	546	620	165	3.0    4.3	23.0
CUH-15-3C	Integral contactor	15.0	400	3PN	546	730	165	3.4    5.5	30.0
CUH-20-3C	Integral contactor	20.0	400	3PN	743	865	256	3.7    6.7	55.0
CUH-25-3C	Integral contactor	25.0	400	3PN	743	865	256	3.7    6.7	55.0
CUH-30-3C	Integral contactor	30.0	400	3PN	743	865	256	3.7    6.1	55.0
CUH-40-3C	Integral contactor	40.0	400	3PN	743	865	256	4.6    7.3	55.0
CUH-TH	Integral thermostat (range 10°C to 32°C)								
CUH-DTH	Integral de-stratification thermostat								
CUH-RTH	Remote thermostat with on/off switch (range 5°C to 35°C)								
CUH-FSW	Fan only switch								
CUH-C35	Wall bracket (3-5kW) - horizontal airflow								
CUH-C720	Wall bracket (7.5-15kW) - horizontal airflow								
CUH-C2550	Wall bracket (20-40kW) - horizontal airflow								
CUH-VB35	Vertical bracket (3-5kW) - vertical airflow								
CUH-VB720	Vertical bracket (7.5-15kW) - vertical airflow								
CUH-V2550	Vertical bracket (20-40kW) - vertical airflow								
CUH-EYE	Eye-bolt set for chain suspension								

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