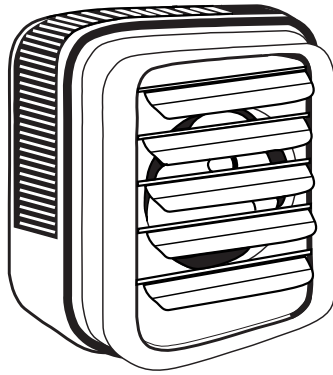




A Marley Engineered Products Brand



SUBMITTAL SHEET

HUHAA-PRO SERIES

HORIZONTAL/VERTICAL

UNIT HEATERS

CAPACITIES

3KW to 10kW
208, 240, and 480V
1Phase or 3 Phase
(Voltage and Phase varies
with model)

See Selection Chart

JOB NAME: _____

LOCATION: _____

ARCHITECT: _____

ENGINEER: _____

CONTRACTOR: _____

SUBMITTED BY: _____

DATE: _____

ITEM	QTY.	CATALOG NUMBER	TAG	WATTS	VOLTS	Ø	AMPS	GRILLE FINISH	CEILING MOUNT

ACCESSORIES
AND
CONTROLS

ITEM	QTY.	CAT. NO.	TAG	DESCRIPTION

SUBMITTED BY:	DATE	APPROVED BY:	DATE

Item Information		Electrical Data					Fan Data	Mechanical Data
Catalog No.	UPC	VOLTS	PHASE	KW	AMPS	Control Volt	CFM	Ship WT.
HUHAA320-PRO	00685360174297	208	1	3	14.5	24	350	27 lbs
HUHAA320-PRO-SSP	00685360174747	208	1	3	14.5	24	350	27 lbs
HUHAA520-PRO	00685360173993	208	1-3	5	24	24	350	27 lbs
HUHAA520-PRO-SSP	00685360174792	208	1-3	5	24	24	350	27 lbs
HUHAA720-PRO	00685360174020	208	1-3	7.5	36	24	650	38 lbs
HUHAA720-PRO-SSP	00685360174808	208	1-3	7.5	36	24	650	38 lbs
HUHAA1020-PRO	00685360173931	208	1-3	10	48	24	650	38 lbs
HUHAA1020-PRO-SSP	00685360174594	208	1-3	10	48	24	650	38 lbs
HUHAA324-PRO	00685360173979	208/240	1	3	11.0/12.5	24	350	27 lbs
HUHAA324-PRO-SSP	00685360174754	208/240	1	3	11.0/12.5	24	350	27 lbs
HUHAA524-PRO	00685360174006	208/240	1-3	5	18.0/21.0	24	350	27 lbs
HUHAA524-PRO-SSP	00685360174785	208/240	1-3	5	18.0/21.0	24	350	27 lbs
HUHAA724-PRO	00685360174037	208/240	1-3	7.5	27.0/31.3	24	650	38 lbs
HUHAA724-PRO-SSP	00685360174815	208/240	1-3	7.5	27.0/31.3	24	650	38 lbs
HUHAA1024-PRO	00685360173955	208/240	1-3	10	36.0/42.0	24	650	38 lbs
HUHAA1024-PRO-SSP	00685360174723	208/240	1-3	10	36.0/42.0	24	650	38 lbs
HUHAA348-PRO	00685360173986	480	3	3	3.6	24	350	27 lbs
HUHAA348-PRO-SSP	00685360174761	480	3	3	3.6	24	350	27 lbs
HUHAA548-PRO	00685360174013	480	3	5	6	24	350	27 lbs
HUHAA548-PRO-SSP	00685360174778	480	3	5	6	24	350	27 lbs
HUHAA748-PRO	00685360174044	480	3	7.5	9	24	650	38 lbs
HUHAA748-PRO-SSP	00685360174822	480	3	7.5	9	24	650	38 lbs
HUHAA1048-PRO	00685360173948	480	3	10	12	24	650	38 lbs
HUHAA1048-PRO-SSP	00685360174730	480	3	10	12	24	650	38 lbs

NOTE:

- All standard units are supplied with a low voltage control transformer and contactor (24V) except HUHAA-3 & 5 Kw, 208, 240, & 277 volt models. Low voltage control on these units is available on made-to-order. All units are also available on special order 120 volt control; internal with transformer or external without transformer.
- On dual voltage units, CFM, FPM, and RPM are shown at higher voltage.
- On dual phase units, maximum amp draw is listed for respective voltage.

- 25 thru 50 Kw models have two speed motors and dual CFM ratings.

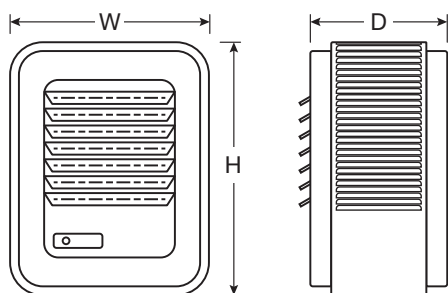
5A. Standard

5B. Optional-made to order-amp load unbalanced on 3 phase.

5C. Optional-made to order-amp load balanced on 3 phase.

** Must use 2-stage thermostat on 3Ø operation.

DIMENSIONS



HEATER	HEIGHT	WIDTH	DEPTH
3 & 5	16"	14"	8-1/2"
7.5 & 10	21-3/4"	19"	8-1/2"

Optional Mounting Brackets:

	CATALOG NO.	UPC	COMPATIBILITY	SHIP WT.*
Standard	B10	685360152295	MUH03-10	8 lbs
Ceiling	CMB10	685360152363	MUH03-10	3 lbs
Vertical Ceiling	VDMB5	685360152455	MUH03-05	5 lbs

MOUNTING LIMITATIONS

Unit heaters should not be used in potentially explosive atmospheres. The finish is not intended for direct salt spray exposure in marine applications or the highly corrosive atmospheres of swimming pools, chemical storage bins, etc.

Do not install unit heaters above recommended maximum mounting height.

Obstructions must not block unit heater air inlet or discharge. Heaters must be mounted at least 7' above the floor to prevent accidental contact with the heating element or fan blade which could cause injury.



470 Beauty Spot Rd. E, Bennettsville, SC 29512

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS*

Furnish and install type HUHAA horizontal / vertical unit heaters as manufactured by Berko, A Marley Engineered Products Brand, Bennettsville, SC with heating and air delivery capacities as shown on the heating schedule.

The cabinet shall be made of 18 gauge die formed furniture grade steel. Individual adjustable louvers with 30 degrees downward stops shall be furnished to provide desired control of discharge air. All metal surfaces of the enclosure shall be phosphate coated to resist corrosion and finished in a durable polyester powder coat finish. Mounting brackets designed for either ceiling or wall swivel mounting shall be furnished as shown on the heating schedule.

Heaters shall be of the draw-through air flow design to eliminate the element hot spots and extend design life.

Fans shall be aluminum, directly connected to fan motor, and designed specifically for unit heater application.

Low voltage control 24 volt transformers shall be standard on models 7.5 KW and greater (Optional 120V), to allow safer more precise temperature control.

Individual optional field installable control kits shall be available for all models. All controls shall have pig tails and spade terminals for ease of wiring to centrally located terminal board. All heaters of 63 amperes or less shall be provided with power disconnect switches (field installed kits or factory installed).

All heaters shall be UL Listed and meet the requirements of the National Electrical Code.

For safety, the electric heating bank shall consist of metal sheath heating elements. The elements shall consist of 80/20 Nichrome wire encased in refractory material (MGO) and have a copper clad steel sheath for strength and corrosion resistance, and aluminum fins for faster heat transfer. Automatic reset thermal overload protection shall be of the linear capillary type wired for instantaneous de-energizing in case of the thermal overload. Heating bank to have protective air inlet louvers.

All heaters drawing in excess of 48 amperes shall be provided with factory installed subdivided and fused circuits of 48 amps or less.

Motors shall be totally enclosed, designed for continuous heavy-duty all-angle operation and equipped with built-in thermal overload protection, with stainless steel louvers. Motors used on 25 thru 50 KW models shall be rated for two speed operation.

* *Berko reserves the right to change specifications without prior notice.*