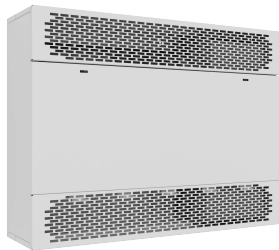


PRODUCT SUBMITTAL SHEET



A Marley Engineered Products Brand



Capacities

2 - 32 KW
208, 240, 277, 347, 380, 480 or 600V
1 or 3 Phase
Thermostat Range: 40° - 90° F
Air Movement: 1000 CFM MAX

CUH SERIES CABINET UNIT HEATERS



Job Name: _____

Location: _____

Architect: _____

Engineer: _____

Contractor: _____

Submitted By: _____

Date: _____

Submitted By:

Date:

Approved By:	Date:

Item	QTY	Catalog Number	Tag	Watts	Volts	PH	AMPS	Weight

ACCESSORIES

Item	QTY	Part Number	Tag

ZSS-BCUH900_921



470 Beauty Spot Road East
Bennettsville, South Carolina 29512
www.marleymep.com

Custom Cabinet Unit Heaters: Custom Models and Specifications

SERIES	KW	BTU/HR	FINAL AIR TEMP	CFM*	208 1 PH 60 HZ	208 3 PH 60 HZ	240 1 PH 60 HZ	240 3 PH 60 HZ	277 1 PH 60 HZ	480 3 PH 60 HZ
CUH935 35 in. (L) 120 LBS.	2	6,826	85	250	10	6	9	6	8	3
	3	10,239	98		15	9	13	8	12	4
	4	13,652	111		20	12	17	10	15	6
	5	17,065	123		25	15	22	13	19	7
	6	20,478	136		30	17	26	15	22	8
	7	23,891	148		34	20	30	18	26	9
	8	27,304	161		39	23	34	20	30	10
CUH945 45 in. (L) 160 LBS.	4	13,652	85	500	20	12	18	11	16	6
	6	27,478	98		30	18	26	16	23	8
	8	27,304	111		40	23	34	20	30	11
	10	34,130	123		48	29	43	25	37	13
	12	40,956	136		59	34	51	30	44	16
	14	47,782	148		68	40	59	35	52	18
	16	54,608	161		78	46	68	40	59	20
CUH968 68 in. (L) 260 LBS.	15	51,195	123	750	74	44	64	38	56	20
	21	71,673	148		-	60	89	52	78	27
	24	81,912	161		-	69	-	60	-	31
CUH978 78 in. (L) 300 LBS.	20	68,260	123	1,000	-	58	86	50	74	26
	24	81,912	136		-	69	-	60	-	31
	28	95,564	148		-	80	-	70	-	36
	32	109,216	161		-	91	-	79	-	41

NOTE: RED numbers represent circuit breakers or fused disconnect required.+Based on 60°F inlet air temperature. *Values shown is high speed.

OPTIONAL ACCESSORIES (Factory Installed)

DESCRIPTION	FUNCTION
REMOTE MOUNTED SINGLE STAGE THERMOSTAT	Remote mounted single stage wall thermostat replaces standard built-in thermostat.
2 STAGE THERMOSTAT (Built-or Remote)	Built-in (or remote mounted) two stage thermostat that the elements for 2/3 heat for stage one and full heat for second stage. Fan cycles on high speed only.
SMARTSERIES® PLUS (Built-in or Remote)	Built-in (or remote mounted) two stage thermostat runs 2/3 elements on stage 1 and full heat for stage 2. Fan cycles on high speed only. Comes with BACnet BMS compatibility, scheduling, cooling mode(Fan-Only), and keypad lock.
DEAD FRONT DISCONNECT SWITCH	A three pole non-fused disconnect switch disconnects power to the heater. Design prevents entry into the control compartment until disconnect switch is turned to the OFF position.
DEAD FRONT FUSED DISCONNECT SWITCH	A three pole non-fused disconnect switch and circuit breaker(s) sized to the heater with load protection which disconnects power to the unit. Design prevents entry into the control compartment until disconnect switch is turned to the OFF position.
ON-OFF SWITCH	Built-in switch provides continuous fan operation with or without heat, or automatic fan cycling as the heat cycles on and off.
KEY LOCK for FRONT COVER	Two (2) toolhead key lock style spring latches prevent unauthorized adjustment of controls and provide additional safety from injury due to contact with internal components.
INLET or DISCHARGE DUCT COLLAR(S) (ea.)	Collars provide easy connection of field supplied duct work. We do not recommend exceeding 0.2" wg external static pressure. Heater with duct collars are with a single speed high static motor.
LOUVER GRILLES	Standard - Standard Architectural Grille. Optional - Retrofit option to match the old louver design of the cabinet unit heater. This option is only available for both inlet and discharge openings ordered at the same time. Can not be ordered separately.

OPTIONAL ACCESSORIES (Field Installed)

Recess Trim Kit	Provides a neat finish to semi-recessed or full recessed applications.
Base Kit	16 gauge, muted black base is recessed from the heater front and sides to provide an attractive and practical floor mounting application.

HOW TO ORDER

CUH	9	35	10	24	1	F	F	1B	0	0	S	0	P	K	P	-	B	B	B
-----	---	----	----	----	---	---	---	----	---	---	---	---	---	---	---	---	---	---	---

Catalog Prefix:
CU = QMark
CUH = Berko

Series

Catalog Prefix: 35 = 35", 45 = 45", 68 = 68", 78 = 78"

KW: 02, 03, 04, 05, 06, 07,08, 09, 10, 11, 12, 14, 15, 16, 18, 20, 21, 24, 28, 32

Voltage: 20 = 208V, 24 = 240V, 27 = 277V, 48 = 480V* *3-Phase Only

Phase: 1=1Ø, 3=3Ø

Inlet Configuration: F=Front, B=Bottom

Outlet Configuration: F=Front, T=Top

Thermostat: 1B (Single Stage Built In), 1R (Single Stage Remote Wall Mount), 2B (Two Stage Built In), 2R (Two Stage Remote Wall Mount), SB (SmartSeries Plus Built In), SR (SmartSeries Plus Remote)

Internal Control Voltage: 2 (24VAC), 1 (120VAC)

Discharge Grille Finish**

Inlet Grille Finish**

Cabinet Finish**

Duct Collar/Grille: 0=Standard Architectural Inlet / Standard Architectural Discharge, I=Duct Inlet / Standard Architectural Discharge, D=Standard Architectural Inlet / Duct Discharge, B=Duct Inlet / Duct Discharge, A=Louver Grille Inlet/ Louver Grille Discharge

Front Cover Lock: 0=Std. Lock, K=Key Lock

Intake Filter: 0=Std. Throw-Away, P=Opt. Washable

On-Off Switch: S (Heat On/Off Switch), 0 (None)

Disconnect Switch: 0=Std. None, S=Opt. Disc. Sw., F=Opt. Fused (Circuit Breaker) Disc. Sw.

Circuit Breaker Options: C (Circuit Breaker), 0 (None)

**Finish Options
W (White), N (Beige), A (Aluminum), S (Bronze), B (Black), U (Special Color Request)

FEATURES

- ▶ Attractive cabinet enclosure blends into the decorative schemes of commercial areas.
- ▶ Ceiling, floor or wall mounted.
- ▶ Surface, full recess or semi-recess mounted.
- ▶ Heavy duty cold-rolled steel construction.
- ▶ Nineteen capacities - 2Kw to 32Kw; five cabinet styles - 35", 45", 68" and 78" lengths (26-3/8" height x 9-3/4" deep).
- ▶ 1/8 hp, PSC, motors are two-speed (1550/1450 rpm).
- ▶ Resilient mounted motors with automatic thermal overload protection.
- ▶ Steel plate fin elements are copper brazed to low watt density, steel-sheathed tubular heating elements. (80/20 NiCh resistance wire). Element is finished with aluminized paint for corrosion resistance. Fins and elements are arranged in a uniform grid pattern and fit closely into the discharge area to assure that all outgoing air passes through the heating element.
- ▶ Thermal safety cutout - installed in direct contact with the heating element. Automatically shut off and protect the heater in the event of overheating. Automatic thermal limit reactivates the heater when operating temperature returns to normal. Manual reset limit requires unit to be powered down and inspected before operation can resume.
- ▶ Heaters over 48 amps have sub-divided (circuit breaker protected) circuits.
- ▶ Circuit breakers are available as an option on heaters of less than 48 amps.
- ▶ Built-in thermostat - single pole, snap-action thermostat with remote bulb sensor located directly in the air intake. (Optional - built-in two stage thermostat available). Easy and low cost field installation of a completely packaged heater.
- ▶ 24 volt control system - all internal controls, including the thermostat, are operated from a built-in prewired transformer with a 24 volt secondary. (Optional - 120 volt built-in control available.)
- ▶ Heaters have a tamper-resistant, two position selector switch to select full heat at high fan speed and reduced heat at low fan speed.
- ▶ Automatic fan delay eliminates cold drafts on start-up and discharges residual heat from the heater body during shut down.
- ▶ Silent relays, instead of conventional contractors, eliminate the noise of contactor opening and closing.
- ▶ Optional - inlet and discharge duct collars - UL listed - provide easy field connection to field supplied duct work. We do not recommend exceeding 0.15" wg external static pressure.
- ▶ Each heater is supplied with a throw-away air filter mounted in the inlet air stream. Optional permanent (washable) aluminum filters are available.
- ▶ A front cover interlock is a standard safety feature that de-energizes the heater when the front cover is removed.
- ▶ Optional - dead front disconnect switch or fused dead front disconnect switch, disconnects power to the heater. Control panel access door can not be opened until power is turned off.
- ▶ Optional - built-in on - off switch allows the heater to be de-energized when not in use.
- ▶ An optional trim kit is available for a neat finish to semi-recessed or full recessed applications.
- ▶ A optional kick plate in muted black, which is recessed from the heater front and sides by one inch, makes an attractive and practical off-the-floor installation.
- ▶ Optional - inlet and/or discharge duct collars.

35", 45", 68", 78"

7/8" and 3/32" concentric K.O.

1-23/32", 1-23/64" and 1-31/32" concentric K.O.

9-3/4"

26-3/8"

3"

5"

4-1/4"

1-5/8"

drill location for conduit hole in right side

Minimum 2" to side wall.

	FRONT INLET FRONT OUTLET (FIFO)	FRONT INLET TOP OUTLET (FITO)	BOTTOM INLET FRONT OUTLET (BIFO)	BOTTOM INLET TOP OUTLET (BITO)
WALL				
WALL INVERTED				
CEILING				
ON END				

- Base Kit