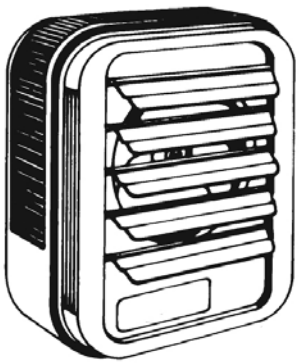
470 Beauty Spot Rd. E
Bennettsville, SC 29512

SUBMITTAL SHEET
MUH SERIES
HORIZONTAL/VERTICAL UNIT HEATERS



File # E21609

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

See Selection Chart for all Options

JOB NAME: _____

LOCATION: _____

ARCHITECT: _____

ENGINEER: _____

CONTRACTOR: _____

SUBMITTED BY: _____ DATE: _____

TAG/ITEM	QTY.	CATALOG NUMBER	HEATER			AMPS	GRILLE FINISH	CEILING MOUNT
			KW	VOLTS	Ø			

ACCESSORIES AND CONTROLS	TAG/ITEM	QTY.	CATALOG NUMBER	DESCRIPTION

SUBMITTED BY:	DATE

APPROVED BY:	DATE

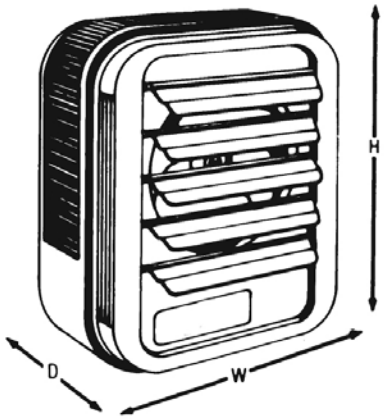
MUH SERIES

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS*

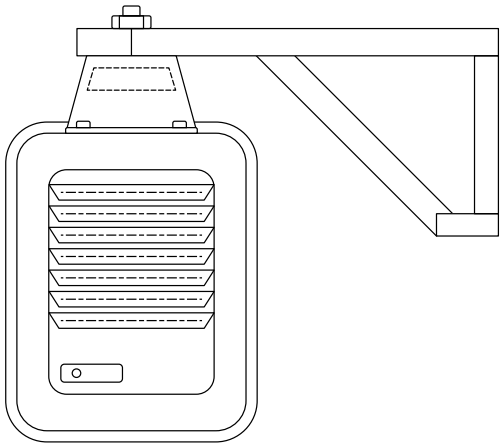
- Unit mounts either horizontally or vertically. Totally versatile. For factories, warehouses, garages, stores, shipping rooms, power stations. Can be used for primary, supplementary, spot, or dual-system eating.
- Each PRO model comes with a built in single stage thermostat, disconnect switch, and 24VAC transformer.
- Each PRO-SSP model comes with a remote mount SmartSeries Plus control, disconnect switch, and 24VAC transformer.
- Forced air unit heater with 4 power ratings; from 3KW to 10 KW heating output; 208, 240, 277 and 480V.
- 24 compatible models (no need to try to assemble a heating system from 70 or 80 models!)
- Heavy gauge die-formed steel housing. Two-toned, smartly styled with stainless steel louvers.
- Advanced pull-through air flow design draws air across heating element for more even air distribution and cooler element operation.
- Specially designed venturi outlet to meet that added throw as required in vertical position.
- Branch circuit fusing (when required).
- Completely enclosed fan motor.
- 1- or 3-phase wiring on 5 through 10 KW 208/240V units (field interchangeable).
- Aluminum-finned, copper clad steel sheath heating element has longer useful life, because of cooler sheath temperature and faster heat dissipation .
- 24V control transformer standard on all models, providing a safer and more accurate means of temperature control.
- Automatic reset linear thermal cut-out, capillary type, provides protection over entire length of element areas (Manual reset protection available on made-to-order basis).
- Fan delay feature eliminates cold drafts. Element heats up before fan cuts in, then fan continues to distribute heat after element shuts off.
- Ruggedly built, yet lighter weight for easier installation. No piping flutes, valves, or traps.
- Individually adjustable discharge louvers to control air flow.
- Choice of optional diffusers for variety of air patterns, maximizing heat concentration and coverage in the vertical position.
- Meets all UL, NEC, and OSHA requirements.

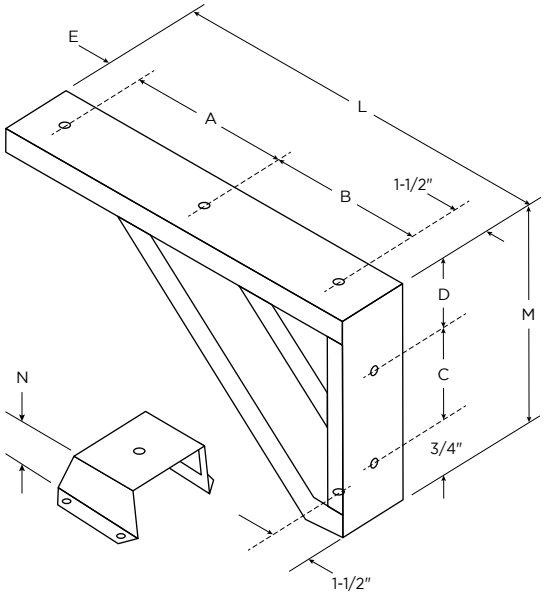
**QMark reserves the right to change specifications without prior notice.*

Dimensions and Clearances:



CATALOG NO.	HEIGHT	WIDTH	DEPTH
MUH03 & 05	16″	14″	7 ½″
MUH07 & 10	21 ¾″	19″	7 ½″
MUH15 & 20	21 ¾″	19″	12 ¾″
MUH25 & 30	30″	26 ⅝″	11 ¾″
MUH40 & 50	30″	26 ⅝″	17 ⅛″





	3–20 kW	25–50 kW
A	7 ¼″	9 7⁄16″
B	9 ½″	14 ⅜″
C	7 ¼″	12 ⅛″
D	11 5⁄16″	2 1⁄16″
E	2 ¼″	3″
L	20 ½″	28 15⁄16″
M	9 15⁄16″	14 15⁄16″
N	3 ¼″	4 ½″

Approvals: _____ _____ _____

Models & Specifications:

ITEM INFORMATION		ELECTRICAL DATA					AIR DELIVERY DATA FAN MOTOR DATA	
CATALOG NO.	UPC	VOLTS	PHASE	KW	AMPS	CONTROL VOLT	CFM	SHIP WT.*
MUH0381	685360047218	208	1	3	14.5	208	350	27 lbs
MUH0581	685360047287	208	1–3	5	24	208	350	27 lbs
MUH078	685360047355	208	1–3	7.5	36	24	650	38 lbs
MUH108	685360047416	208	1–3	10	48	24	650	38 lbs
MUH158	685360047454	208	1–3	15	72	24	910	53 lbs
MUH0321	685360047164	208/240	1–3	2.2/3.0	11.0/12.5	208/240	350	27 lbs
MUH0521	685360047225	208/240	1–3	3.7/5.0	18.0/21.0	208/240	350	27 lbs
MUH072	685360047300	208/240	1–3	5.6/7.5	27.0/31.3	24	650	38 lbs
MUH102	685360047362	208/240	1–3	7.5/10.0	36.0/42.0	24	650	38 lbs
MUH152	685360047423	208/240	3	11.2/15.0	31.3/36.1	24	910	53 lbs
MUH0371	685360047201	277	1	3	11	277	350	27 lbs
MUH0571	685360047270	277	1	5	18	277	350	27 lbs
MUH077	685360047348	277	1	7.5	27	24	650	38 lbs
MUH0341	685360047188	480	3	3	3.6	24	350	27 lbs
MUH0541	685360047256	480	3	5	6	24	350	27 lbs
MUH074	685360047324	480	3	7.5	9	24	650	38 lbs
MUH104	685360047386	480	3	10	12	24	650	38 lbs
MUH154	685360047430	480	3	15	18	24	910	53 lbs
MUH208	685360047492	208	3	20	56	24	1320	60 lbs
MUH202	685360047461	208/240	3	15.0/20.0	41.2/48.0	24	1320	60 lbs
MUH204	685360047478	480	3	20	24	24	1320	60 lbs
MUH254	685360047515	480	3	25	30	24	2100	93 lbs
MUH304	685360047546	480	3	30	36	24	2100	93 lbs
MUH404	685360047614	480	3	40	48	24	3000	114 lbs
MUH504	685360047645	480	3	50	60.2	24	3000	114 lbs
MUH308	685360047560	208	3	30	84	24	2100	93 lbs
MUH252	685360047508	208/240	3	18.7/25.0	52.0/60.0	24	2100	93 lbs
MUH302	685360047539	208/240	3	22.5/30.0	63.0/72.3	24	2100	93 lbs
MUH402	685360047607	208/240	3	30.0/40.0	83.4/96.4	24	3000	114 lbs
MUH502	685360047638	208/240	3	37.5/50.0	104.2/120.4	24	3000	114 lbs
MUH107	685360047409	277	1	10	36	24	650	38 lbs
MUH073	685360047317	347	1	7.5	21.6	24	650	38 lbs
MUH103	685360047379	347	1	10	28.8	24	650	38 lbs
MUH0361	685360047195	600	3	3	2.9	24	350	27 lbs
MUH0561	685360047263	600	3	5	4.8	24	350	27 lbs
MUH076	685360047331	600	3	7.5	7.3	24	650	38 lbs
MUH106	685360047393	600	3	10	9.7	24	650	38 lbs
MUH156	685360047447	600	3	15	14.5	24	910	53 lbs
MUH206	685360047485	600	3	20	19.3	24	1320	60 lbs
MUH256	685360047522	600	3	25	24.2	24	2100	93 lbs
MUH306	685360047553	600	3	30	29	24	2100	93 lbs
MUH406	685360047621	600	3	40	38.7	24	3000	114 lbs
MUH506	685360047652	600	3	50	48.3	24	3000	114 lbs

*"1-3" phase denotes field convertible to 3-Phase

NOTE: All standard units are supplied with a low voltage control transformer and contactor (24V) except MUH03 and MUH05, 208V, 240V and 277V models. Low voltage control on these units is available on Made to Order (Contact your local Marley Sales Representative for typically associated lead times). If using low-voltage control, a 24v transformer is required. All units are also available on special order for 120V control; internal with transformer or external without transformer. On dual-voltage units CFM, FPM, & RPM ratings are listed at higher voltage operation. On dual-phase units maximum amp draw is listed for respective voltage. Must use two-stage Thermostat on 3Ø operation.

Approvals: _____ _____ _____

Optional Mounting Brackets:

	CATALOG NO.	UPC	COMPATIBILITY	SHIP WT.*
Standard	B10	685360152295	MUH03–10	8 lbs
	MCB105PK	685360173627	(Master Pack, Five B10 Brackets)	
	B20	685360152301	MUH15 & 20	10 lbs
	B30	685360152318	MUH25 & 30	13 lbs
	B50	685360152325	MUH40 & 50	15 lbs
Ceiling	CMB10	685360152363	MUH03–10	3 lbs
	CMB20	685360152370	MUH15 & 20	4 lbs
	CMB30	685360152387	MUH25 & 30	5 lbs
	CMB50	685360152394	MUH40 &50	6 lbs
Vertical Ceiling	VDMB5	685360152462	MUH03–05	5 lbs
	VDMB20	685360152455	MUH07–20	7 lbs
	VDMB50	685360152479	MUH25–50	9 lbs
Remote Thermostats	MUHBKT-TST-SM	685360175089	MUH 3–20kw	2 lbs
	MUHBKT-TST-L	685360175096	MUH 25-50kw	2 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 ft. above the floor to prevent accidental contact with the heating element or fan blade which could cause injury.

Optional Dust Shields:

CATALOG NO.	UPC	COMPATIBILITY	SHIP WT.*
JRDS8	685360150697	3–5 KW units	5 lbs
JRDS14	685360150673	15–20 KW units	6 lbs
JRDS19	685360150680	25–50 KW units	10 lbs

Diffuser Selector Table:

CATALOG NO.	UPC	COMPATIBILITY	SHIP WT.*
MUHLDS	685360036656	Louvered Diffuser for 3 & 5KW Units	5 lbs
MUHLDM	685360036649	Louvered Diffuser for 7.5–20KW Units	8 lbs
MUHLDL	685360036632	Louvered Diffuser for 25–50KW Units	10 lbs

Optional Field-Installed Electrical Controls:

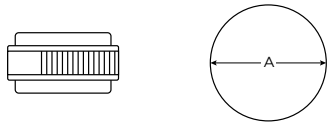
CATALOG NO.	UPC	DESCRIPTION	ELECTRICAL RATING
UHMT1*	685360152417	Single Pole Internal Thermostat-Temp Range: 40°– 85°F	25A @ 120, 240VAC Res. 22A @ 277VAC Res.
UHMT2	685360152424	Two Stage Internal Thermostat-Temp. Range: 40°–85°F	25A @ 120, 240VAC Res. 22A @ 277VAC Res. 125VA
MCFS	685360046372	Internal Summer Fan Switch 250, 480, 600V.A.C. 1,2 OR 3 PH	Pilot Duty 6A, 600VAC Res. 2 HP
MRFS1	685360047089	Remote Summer Fan Switch (Line Voltage)	2 HP, 250-480VAC
MRFS2	685360047096	Remote Summer Fan Switch with Relay (24V Coil-Single Pole Normally Open)	6 AFL, 35 ALR, 250VAC, 60Hz. 3 AFL, 18 ALR, 480VAC, 60Hz
MHRT	685360046945	Heat Recovery Thermostat with Relay (24V Coil-Single Pole Normally Open) Hi — 120°F, Low —60°F	6 AFL, 35 ALR, 250VAC, 60Hz 3 AFL, 18 ALR, 480VAC, 60Hz
MPDS25	685360047034	Power Disconnect Switch (3-Pole)	30A @ 600VAC, Res.
MPDS60	685360047041	Power Disconnect Switch (3-Pole)	80A @ 600VAC, Res.

*"-S" version available as a suitable alternative

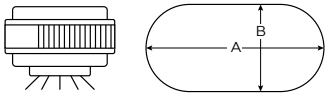
NOTE: Any field installed options assembled in the factory require added surcharge. See price book for charges. MPDS60 disconnect switch is not suitable for field installation on 7.5kw and 10kw unit heaters. Visit website or contact your local representative for compatibility details.

Diffusers for Vertical Mounting:

No Diffuser:
No diffuser needed where a straight downflow air pattern is required. For maximum air throw, remove louvers. Any of three diffusers can be added to basic heater.



Louver Diffuser:
Permits directional (straight line) air flow as in air curtain application over doorways. Rectangular coverage, Louvers can be turned in either direction.



NOTE: Visit website or contact your local representative for additional details

No matter the industry or application, Marley Engineered Products has a robust portfolio of innovative, reliable, high-performance comfort heating and ventilation solutions for all your heating needs.

For more information or assistance on your next project, contact Technical Services at 800-642-4328

Scan the QR code to access additional specs and features

Approvals: _____ _____ _____