CLASSIFICATION AND DIVISION - ETL LISTING:
Class I, Groups C and D, Division 1 and 2
Class II, Groups E, F and G, Division 1 and 2

HEAT EXCHANGED AND ELEMENT:
Heavy walled, liquid filled heat exchanger with three-immersion type copper sheathed elements. The elements shall have the highest quality Nickel-Chromium resistance wire encased in a Magnesium Oxide dielectric and be hermetically sealed into the heat exchanger core. The heat transfer fluid is Ethylene-glycol solution for operation to -49 degrees F (– 45 degrees C). Stainless steel and aluminum pressure releif valve for overpressure.

THERMAL CUTOUT HIGH LIMIT PROTECTION AND OPTIONAL PILOT LIGHT:
The capillary type manual reset thermal cutout shall be rated for 6000 cycles of service and mounted in the liquid filled heat exchanger. An optional pilot light to indicate manual reset tripped, if safe operating temperatures are exceeded, is located on control enclosure.

MOTOR:
The motor shall be a permanent split capacitor type, permanently lubricated, ball bearing type. The motor shall be rated for hazardous location and operate at rated voltage of heater single phase, 60 Hz, 1725 RPM.

CONTROL ENCLOSURE:
All controls shall be factory installed and wired in a hazardous location enclosure. Contactors and back-up contactors are heavy duty type and break all ungrounded conductors and be rated for 100,000 cycles at full load. Standard 24-volt control circuit shall be supplied by internal class II transformer. An optional factory wired integral thermostat or standard terminal block for field wiring to optional remote wall thermostat are wired in control panel.

DISCONNECT SWITCH:
Factory mounted and wired hazardous location disconnect switch is available as an optional accessory.

CABINET WITH ADJUSTABLE LOUVERS:
The Cabinet shall be 14 Gauge, cold rolled steel with powder coated epoxy finish. Plated fan guards with less than ¼ inch spacing to cover motor and fan shall conform to OSHA Requirements.

NOTE:
Before selecting a hazardous location electric heater refer to Article 500 or other applicable standard referenced in the National Electric Code.

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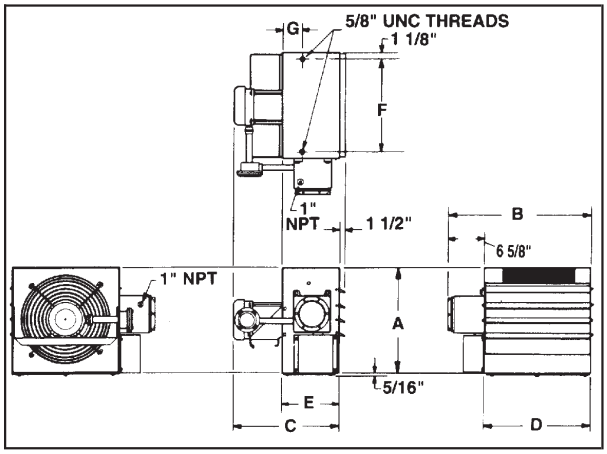
SUBMITTAL DATA, HLA SERIES

Print Form

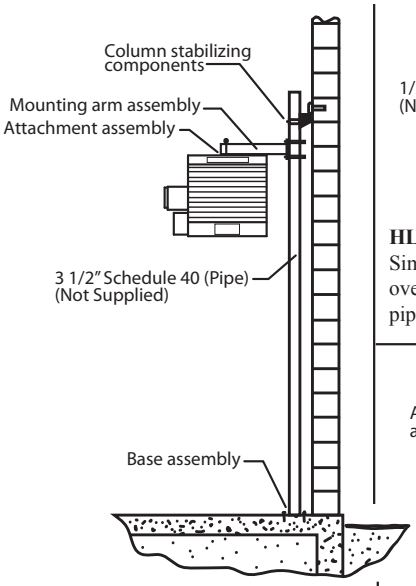
AGENT	PROJECT	ENGINEER	DATE

TAG				
QTY.				
SERIES	HLA	HLA	HLA	HLA
MODEL				
VOLTS/PHASE				
KW				
AMPS				
CONTROL VOLTAGE	24	24	24	24
THERMOSTAT	BUILT IN/WALL	BUILT IN/WALL	BUILT IN/WALL	BUILT IN/WALL
MOUNTING KIT				
NOTES				

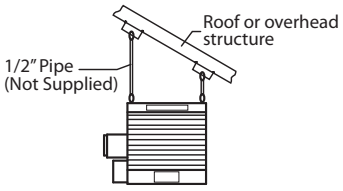
Shown with optional pilot light and disconnect switch



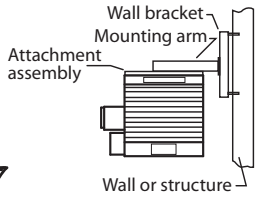
DIMENSIONS AND WEIGHT (INCHES AND POUNDS)									
MODEL	A	B	C		D	E	F	G	LBS
			3 ph.	1 ph.					
HLA 12	17 3/4	22 3/8	19 3/4	20 5/8	16 1/4	10 1/2	14	3	167
HLA 16	20 3/4	26 3/8	20 3/4	21 5/8	20 1/4	11 1/2	18	4	193
HLA 20	24 3/4	30 3/8	22 1/2	N/A	24 1/4	12 1/2	22	4 1/2	225



HLPM Pipe Mounting Kit
Particularly useful in buildings with insufficient strength to use other types of mounts. Requires 3 1/2" pipe (4" O.D. - not supplied).



HLHM Hanging Mounting Kit
Simple and economical if adequate overhead structure exists. Requires 1/2" pipe, cut and threaded (not supplied).



HLWM Wall Mounting Kit
Ideal for use in buildings that have substantial walls. Arm only can also be bolted directly to structural steel.

UPC# 686334	MODEL	USE WITH HEATERS	WT.
734288	HLPM37	3.0 KW - 7.5 KW	37 lbs.
734295	HLPM1015	10.0 KW	38 lbs.
734301	HLPM1525	15.0 KW - 25.0 KW	40 lbs.
734318	HLHM	ALL	5 lbs.
734325	HLWM37	3.0 KW - 7.5 KW	27 lbs.
734332	HLWM10	10.0 KW	28 lbs.
734349	HLWM1525	15.0 KW - 25.0 KW	29 lbs.

Markel Products Company