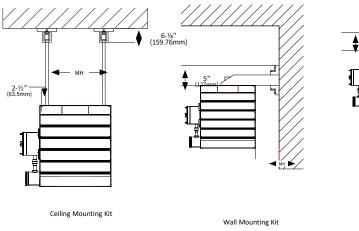
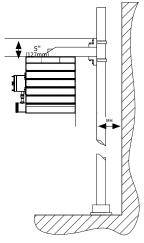
Sample Specification

A specification can be prepared by using the following information. A check box has been supplied so that you may mark those selections which you require. Material which is part of the standard 233 Series Explosion-Proof Unit Heater specification has already been checked.

⊠ volt	1. tage a			heaters shall be Heatrex 233 Series Explosion-producture. They shall be forced fan type, cCSAus Appro						
			Class I, Zone 1 ar	1 and 2, Groups C & D; Class II, Divisions 1 and 2, and 2, Group IIB ture Code No. T3C, 320°F (160°C) (Standard constru	•					
			Ignition Temperat	s 1 and 2, Group E, ture Code No. T3C, 320°F (160°C) (Group E, Metal I h wet location construction)	Dust)					
	2.	(Not available with wet location construction) Unit heaters shall have an automatic and a manual reset thermal cutouts for overtemperature protection, controlling magnetic contactor and 24 volt control circuit transformer housed in a NEMA 7, 9 cast aluminum enclosure.								
	3.	Non	The heat exchanger shall be liquid-to-air design, utilizing an all welded steel headers and tube construction with spiral wound aluminum fins. Nontoxic, inhibited, propylene glycol heat transfer fluid shall be used that provides freeze protection down to -49°F (-45°C). Pressure relief valve setting to be 70 psig. The heat exchanger shall include industrial grade Heatrex electric heating elements.							
\boxtimes	4.	Cab	inet shall be provided wit	th adjustable outlet louvers having minimum opening	safety stops.					
\boxtimes	5.			nanently lubricated ball bearings and built-in thermal o sure to eliminate the need for separate field wiring to t	overload protection. Motor to operate at line voltage and be the motor.					
\boxtimes	6.	The	heater shall be provided	I with an Heatrex accessory mounting kit designed to	bear the weight of the heater assembly (check one):					
			Ceiling mounting kit	☐ Wall mounting kit	☐ Pole mounting kit					
	7.	Con	struction Type (check or	ne):						
				sion-resistant cabinet fabricated from powder coated	painted steel headers and with spiral wound aluminum fins; 14 gauge steel, epoxy-coated motor; aluminum fan blade;					
			Dirty Duty Corrosion-R fan blade; NEMA 4X, 7	, , ,	coated motor; Heresite® coated heat exchanger, cabinet and					
			aluminum fins, 316 sta		nent Plants) with 316 stainless steel heat exchanger with num NEMA 4X, 7, 9 terminal box; epoxy-coated motor;					
	8.	Wet	Location Construction:							
			location requirements – istant Construction.	- IP55 motor rating and Type 4 enclosures. Required	s selecting either Dirty Duty or 316 Stainless Corrosion-					
	9.	The	The following factory installed and prewired control options are to be supplied:							
			Thermostat: 50-90°F (10-32°C); Indoor, Type 1						
			Thermostat: 40-80°F (Disconnect switch with	5-25°C) IP55, Type 4 (can be specified for all construent to external handle.	uctions).					
			Manual reset thermal of	cutout with backup contactor (cannot be provided if s	elector switchor 120 volt control circuit is also specified).					
			Two-position auto/fan s control circuit is also sp Built-in Remote	, , ,	ed if manual reset cutout with backup contactor or 120 volt					
			backup contactor, nor	can both warning and heater on pilot lights be specif	vided if selector switch or manual reset thermal cutout with ied).					
			, -	to indicate when heating elements are energized.						
			"Warning" pilot light to 50 Hertz for internation	indicate when thermal cutouts have tripped and heat nal requirements.	ter needs to be serviced.					
	A	ccess		be furnished with each heater for remote field mount	ing.					
			Thermostat: 50-90°F (10-32°C); Indoor, Type 1; UL Listed and CSA Certific	ed.					
			Thermostat: 40-80°F (5-25°C) IP55, Type 4: cCSAus Certified.						
				uto/fan selector switch for fan only control; Type 1; L						
				manual rest cutout with backup contactor or 120 vol						
		Ш		uto/fan selector switch for fan only control; Type 4; L manual rest cutout with backup contactor or 120 vol						

Architect's and Engineer's Specifications





Pole Mounting Kit

Size	MH In. (mm)	MW In. (mm)
1	11.063 (281)	9 (228.6)
2	15.063 (382.6)	7 (177.8)
3	19.063 (484.2)	5 (127)

Dimensions, Airflows and Weights

Fran	ne Size	Size 1	Size 2	Size 3		
Overall	'X' In. (mm)	21.75 (552.45)	21.75 (552.45)	22.75 (577.85)		
Heater	'Y' In. (mm)	19.375 (492.125)	23.375 (593.725)	27.375 (695.325)		
Dimensions	'Z' In. (mm)	16.063 (408)	20.188 (512.775)	24.188 (614.375)		
	Net Lbs. (kgs)	110 (49.89)	150 (68.03)	190 (86.18)		
Weight	Shipping Lbs (kgs)	130 (58.96)	169 (76.65)	216 (97.97)		



60 Hertz Heaters

KW Range		3 - 5	7.5 - 10	15	20	25	30
Airflow	Air Volume CFM (cubic meter/hr.)	650 (1104)	850 (1444)	18 (30		3110 (5283)	3850 (6541)
Characteristics	Air Throw Feet (m)	15 (4.5)	25 (7.6)	45 (13.7)		65 (19.8)	75 (22.8)
	RPM	1725					
Motor/Fan	HP	1/4 1/2			/2		
	Fan Blade Dia. In. (mm)	12 (304.8) 16 (406.4)			20 (508)		

50 Hertz Heaters

	2.5 - 4.2	6.3 - 8.4	12.5	16.7	21 - 25	
Airflow	Air Volume CFM (cubic meter/hr.)	550 (934)	700 (1189)	1500 (2549)		2600 (4417)
Characteristics	Air Throw Feet (m)	13 (4)	22 (7)	39 (12)		57 (17)
	RPM	1438				,
Motor/Fan	НР	1/4			1/2	
	Fan Blade Dia. In. (mm)	12 (304.8) 16 (406.4)			20 (508)	

