

KRH Quartz Radiant Heaters

Quartz Sheath Medium Wave Radiant Heater Assemblies in a Universal 2000 Housing



Designed for use in applications that require rapid on/off response and fast heat-up and cooldown rates. These heater assemblies are designed to operate in the medium wavelength range of 4.0-2.4 microns (700 to 1715°F peak emitter temperatures). These Modular Housing assemblies utilize a .50 diameter translucent “milky white” vitreous quartz tube enclosing a high temperature resistance wire coil. The diffusion effect of the translucent quartz tube surface broadens the emitted infrared wavelength range obtained without objectionable glare due to low emissions in the visible spectrum. The units have either single or dual heaters mounted at the focal point of a polished aluminum reflector within the housing. These heater assemblies are available in a wide range of power densities. For housing dimensions and mounting details see page 7-76.

Design Features

- * *Direct Retrofit into existing NEMA 1 applications*
- * *Rugged Universal 2000 anodized aluminum housing*
- * *Wattage range of 600W to 7200W in standard designs*
- * *Voltages of 120-480V available depending on heated length*
- * *Power densities up to 65w/in per heater (20 amps max/heater)*
- * *Maximum Housing assembly length 84"; minimum 15"*
- * *Fast response, 40-80 sec for full element heat-up*
- * *Full cooldown in less than 4-8 minutes*
- * *Single end wiring option available*
- * *Multiple heat/dual voltage wiring options for dual heater units*
- * *Utilizes standard TRH removable guard designs*
- * *External power wiring options available*

Standard (Non-Stock) KRH1 Sizes & Ratings (55-60 w/in.) – Single Element Double End Termination

Wattage	Volts	Overall Length		Heated Length		Part Number without Guard	Part Number with Guard	Replacement Element Part Number	Replacement Protective Wire Guard	Replacement Reflector Set Part Number
		in	mm	in	mm					
600	120	18	457	9.75	248	KRH10001	KRH10030	KRD00266	GRD-104-104	SMPR-1018
	208					KRH10002	KRH10031	KRD00267		
	240					KRH10003	KRH10032	KRD00252		
	277					KRH10004	KRH10033	KRD00268		
900	120	24	610	15.75	401	KRH10005	KRH10034	KRD00269	GRD-104-105	SMPR-1019
	208					KRH10006	KRH10035	KRD00270		
	240					KRH10007	KRH10036	KRD00271		
	277					KRH10008	KRH10037	KRD00272		
1300	120	30	762	21.75	553	KRH10009	KRH10038	KRD00273	GRD-104-106	SMPR-1020
	208					KRH10010	KRH10039	KRD00274		
	240					KRH10011	KRH10040	KRD00275		
	277					KRH10012	KRH10041	KRD00276		
1600	208	36	914	27.75	705	KRH10013	KRH10042	KRD00277	GRD-104-107	SMPR-1021
	240					KRH10014	KRH10043	KRD00278		
	277					KRH10015	KRH10044	KRD00279		
	480					KRH10016	KRH10045	KRD00280		
2400	208	48	1219	39.75	1010	KRH10017	KRH10046	KRD00281	GRD-104-108	SMPR-1022
	240					KRH10018	KRH10047	KRD00282		
	277					KRH10019	KRH10048	KRD00283		
	480					KRH10020	KRH10049	KRD00284		
3000	208	60	1524	51.75	1315	KRH10021	KRH10050	KRD00285	GRD-104-109	SMPR-1023
	240					KRH10022	KRH10051	KRD00286		
	277					KRH10023	KRH10052	KRD00287		
	480					KRH10024	KRH10053	KRD00288		
3600	208	72	1829	63.75	1619	KRH10025	KRH10054	KRD00289	GRD-104-110	SMPR-1024
	240					KRH10026	KRH10055	KRD00290		
	277					KRH10027	KRH10056	KRD00291		
	480					KRH10028	KRH10057	KRD00292		
						KRH10029	KRH10058	KRD00293		

NOTES: See page 7-76 for housing dimensions and mounting details.

Shipped with Instruction Sheet IDP-129-104 for installation, wiring and maintenance information.