



RATINGS CHART – ELECTRIC BOILERS

MONITRON

Boiler Model No.	SINGLE PHASE * KW at 240 VAC	SINGLE PHASE D.O.E Capacity *(Btu/hr) at 240 VAC	Neutral Lug Size (AWG)		SINGLE PHASE — THREE WIRE				THREE PHASE — FOUR WIRE 208 VAC WYE §						
					Main Lug Size (AWG) CU ¶ AL	Grounding Lug Size (AWG)		† ** Heater Amps at 240 VAC	KW at 208 VAC	D.O.E Capacity (Btu/h) at 208 VAC	Main Lug Size (AWG)		Grounding Lug Size (AWG)		† Heater Amps at 208 VAC
						Cu ¶ AL	Cu ¶ AL				Cu ¶ AL	¶ AL	Cu ¶ AL	¶ AL	
EH8S	8	27000	14-12	12	6-2/0	14-4	6-4	33	—	—	—	—	—	—	
EH10S	10	34000	14-12	12	6-2/0	14-4	6-4	42	—	—	—	—	—	—	
EH12S	12	41000	14-12	12	6-2/0	14-4	6-4	50	9.012	31000	6-2/0	14-4	6-4	25.1	
EH16S	16	55000	14-12	12	6-2/0	14-4	6-4	67	12.016	41000	6-2/0	14-4	6-4	‡38.1	
EH20S	20	68000	14-12	12	6-2/0	14-4	6-4	83	15.020	51000	6-2/0	14-4	6-4	‡48	
EH24S	24	82000	14-12	12	6-2/0	14-4	6-4	100	18.024	62000	6-2/0	14-4	6-4	‡60	
EH28S	28	96000	14-12	12	2-250 MCM	14-4	6-4	117	21.028	72000	6-2/0	14-4	6-4	‡60	
EH32S	32	109000	14-12	12	2-250 MCM	14-4	6-4	133	24.032	82000	6-2/0	14-4	6-4	‡73	
EH40S	40	137000	14-12	12	2-250 MCM	6-2/0	—	167	30.040	103000	6-2/0	14-4	6-4	‡95.4	

* Multiply by 0.751 for values at 208 volts AC.

** Multiply by 0.867 for values at 208 volts AC.

† For total current add, to the value shown in the table, the current draw for circulator and/or zone valve transformer (12 Amp. max.),

‡ Leg with the highest value of line current of an unbalanced 3 phase load.

¶ Aluminum conductors may be used, lug size, conduit size, ampacity and all applicable codes permitting. However, aluminum conductors may not be used for model EH-40 single phase.

§ 3 phase 240V special model also available. Consult factory for information.