

STANDARD FEATURES AND EQUIPMENT

- ☆ Hot water boiler safety technology supervise regulations
- ☆ Combination electric control panel with key-locked door
- ☆ National boiler pressure vessel supervise regulations and according to UL1453 standard
- ☆ On/off temperature control (least 4steps)
- ☆ National boiler pressure vessel supervise regulations
- ☆ Combination pressure and temperature gauge
- ☆ 120 volt fused control transformer
- ☆ Internal branch circuit fusing
- ☆ Main supply circuit lugs
- ☆ Magnetic contactors
- ☆ Power switch and pilot light
- ☆ Float-type low water cutoff
- ☆ Polymerized epoxy
- ☆ Individual flange
- ☆ Quick drain valve
- ☆ Manways



- ☆ Automatic high limit water temperature switch
- ☆ Nickel-chromium 800 of units (85WSI)
- ☆ Proportional solid state step control
- ☆ According to ASME pressure and temperature relief valve
- ☆ 100mm fiberglass insulation



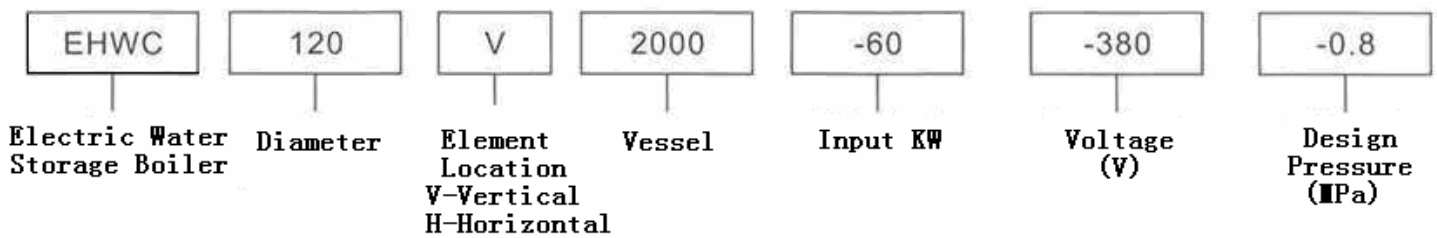
380VOLT RATINGS

Model Number Suffix	Input KW	Quantity of Heat kcal/h*10 ⁴	Elements		Circuits 380V	Steps @ KW 380V	A 380V/3P
			QTY	KW			
15	15	1.3	1	15	1	1@15	23
30	30	2.6	2	15	1	1@30	46
45	45	3.9	3	15	2	1@15,1@30	69
60	60	5.2	4	15	2	2@30	92
75	75	6.5	5	15	3	1@15,2@30	114
-90	90	7.7	6	15	3	3@30	137
-105	105	9.0	7	15	4	1@15,3@30	160
-120	120	10.3	8	15	4	4@30	183
-135	135	11.6	9	15	5	1@15,4@30	206
-150	150	12.9	10	15	5	5@30	228
-165	165	14.2	11	15	6	1@15,5@30	251
-180	180	15.5	12	15	6	6@30	274
-195	195	16.8	13	15	7	1@15,6@30	297
-210	210	18.1	14	15	7	7@30	319
-225	225	19.4	15	15	8	1@15,7@30	342
-240	240	20.6	16	15	8	8@30	365
-270	270	23.2	18	15	9	1@60,7@30	411
-300	300	25.8	20	15	10	2@60,6@30	456
-330	330	28.4	22	15	11	3@60,5@30	502
-360	360	31.0	24	15	12	4@60,4@30	547
-390	390	33.5	26	15	13	5@60,3@30	593
-420	420	36.1	28	15	14	6@60,2@30	639
-450	450	38.7	30	15	15	7@60,1@30	684
-480	480	41.3	32	15	16	8@60	730
-510	510	43.9	34	15	17	7@60,3@30	775
-540	540	46.4	36	15	18	8@60,2@30	821
-570	570	49.0	38	15	19	9@60,1@60	866
-600	600	51.6	40	15	20	10@60	912

EHWC HORIZONTAL DIMENSIONAL DATA

MODEL NUMBER	VESSEL (L)	PRESSURE (bar)	CONNECTIONS		DIMENSION			WEIGHT (KG)
			IN/OUT	DRAIN	L	W	H	
EHWC-80H	800	8	1-1/4"	1"	2100	950	1050	540
EHWC-80H	1000	8	1-1/4"	1"	2500	950	1050	630
EHWC-90H	1200	8	1-1/2"	1-1/4"	2400	1100	1200	670
EHWC-90H	1400	8	1-1/2"	1-1/4"	2700	1100	1200	725
EHWC-110H	1900	8	2"	1-1/2"	2550	1250	1350	910
EHWC-110H	2300	8	2"	1-1/2"	2950	1250	1350	1000
EHWC-110H	2600	8	2"	1-1/2"	3250	1250	1350	1235
EHWC-120H	3000	8	2"	1-1/2"	3200	1400	1550	1340
EHWC-120H	3400	8	2"	1-1/2"	3550	1400	1550	1440
EHWC-120H	4200	8	2"	1-1/2"	4250	1400	1550	1580
EHWC-140H	4500	8	2"	1-1/2"	3500	1600	1750	1680
EHWC-140H	5300	8	2"	1-1/2"	4050	1600	1750	1770
EHWC-150H	5300	8	2"	1-1/2"	3600	1700	1850	1850
EHWC-150H	6000	8	2"	1-1/2"	4000	1700	1850	2065
EHWC-150H	7000	8	2"	1-1/2"	4600	1700	1850	2185
EHWC-170H	6000	8	2"	1-1/2"	3300	1900	2050	2180
EHWC-170H	7000	8	2"	1-1/2"	3750	1900	2050	2400
EHWC-170H	8000	8	2"	1-1/2"	4150	1900	2050	2650
EHWC-180H	7500	8	3"	1-1/2"	3600	2000	2150	2550
EHWC-180H	9500	8	3"	1-1/2"	4400	2000	2150	2905
EHWC-180H	11500	8	3"	1-1/2"	5200	2000	2150	4300
EHWC-210H	12500	8	3"	1-1/2"	4350	2300	2450	4650
EHWC-210H	13500	8	3"	1-1/2"	4600	2300	2450	4855
EHWC-210H	14500	8	3"	1-1/2"	5900	2300	2450	5160
EHWC-240H	15000	8	3"	1-1/2"	4100	2600	2750	5235
EHWC-240H	17000	8	3"	1-1/2"	4550	2600	2750	5640
EHWC-240H	20000	8	3"	1-1/2"	5200	2600	2750	6170

HOW TO SELECT A MODEL NUMBER



Conversion Factors

Usual Conversion Table		Saturated Steam: Pressure & Temperature	
1KgF=9.8N	KW=LPH × ΔT (°C) ÷ 862	0Mpa=0bar=99.6°C	0.6Mpa=6bar=165.0°C
1KWH=860Kcal	1m³=1000L	0.1Mpa=1bar=120.2°C	0.7Mpa=7bar=170.4°C
1inch=25.4mm	1PSI=6.895Kpa	0.2Mpa=2bar=133.6°C	0.8Mpa=8bar=175.4°C
°C=(°F-32) × 5/9	°F=°C × 9/5+32	0.3Mpa=3bar=143.6°C	0.9Mpa=9bar=180.0°C
Apms (3phase)=KW × 1000 ÷ (Volts × 1.732)		0.4Mpa=4bar=151.9°C	1Mpa=10bar=184.1°C
Apms (1phase)=KW × 1000 ÷ Volts		0.5Mpa=5bar=158.8°C	

EHWC VERTICAL DIMENSIONAL DATA

MODEL NUMBER	VESSEL (L)	PRESSURE (bar)	CONNECTIONS		DIMENSION			WEIGHT (KG)
			IN/OUT	DRAIN	L	W	H	
EHWC-60V	400	8	1"	1"	880	780	1750	420
EHWC-60V	500	8	1"	1"	880	780	2050	455
EHWC-80V	600	8	1"	1"	1060	960	1600	500
EHWC-80V	800	8	1-1/4"	1"	1060	960	2000	540
EHWC-90V	1000	8	1-1/4"	1"	1200	1100	2000	625
EHWC-90V	1200	8	1-1/4"	1-1/4"	1200	1100	2300	650
EHWC-110V	1400	8	1-1/4"	1-1/4"	1350	1250	1950	705
EHWC-110V	1600	8	1-1/4"	1-1/4"	1350	1250	2150	735
EHWC-110V	1800	8	1-1/2"	1-1/2"	1350	1250	2350	810
EHWC-120V	2000	8	1-1/2"	1-1/2"	1550	1450	2250	900
EHWC-120V	2300	8	1-1/2"	1-1/2"	1550	1450	2500	975
EHWC-140V	2600	8	1-1/2"	1-1/2"	1700	1600	1750	1220
EHWC-140V	3000	8	2"	1-1/2"	1700	1600	2200	1320
EHWC-140V	3400	8	2"	1-1/2"	1700	1600	2450	1400
EHWC-150V	3800	8	2"	1-1/2"	1800	1700	2650	1490
EHWC-150V	4200	8	2"	1-1/2"	1800	1700	2900	1565
EHWC-150V	4600	8	2"	1-1/2"	1800	1700	3050	1640
EHWC-170V	5000	8	2"	1-1/2"	1950	1850	2750	1710
EHWC-170V	5300	8	2"	1-1/2"	1950	1850	2900	1760
EHWC-170V	5700	8	2"	1-1/2"	1950	1850	3050	1980
EHWC-180V	6000	8	2"	1-1/2"	2150	2050	2950	2115
EHWC-180V	7000	8	2"	1-1/2"	2150	2050	3350	2385
EHWC-180V	8000	8	2"	1-1/2"	2150	2050	3750	2550
EHWC-210V	8500	8	2"	1-1/2"	2450	2350	3050	2650
EHWC-210V	10000	8	2"	1-1/2"	2450	2350	3500	3700
EHWC-210V	11000	8	2"	1-1/2"	2450	2350	3800	4145
EHWC-240V	11500	8	2"	1-1/2"	2750	2650	3200	4220
EHWC-240V	13500	8	3"	1-1/2"	2750	2650	3600	4767
EHWC-240V	15000	8	3"	1-1/2"	2750	2650	4000	5085



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