

MODEL C1620WM PERFORMANCE

Model	Entering Source Water Temp(F°)	Leaving Source Water Temp(°F)	Entering Heated Water Temp(°F)	Leaving Heated Water Temp(°F)	Heating Capacity (Btu/hr)	Cooling Capacity (Btu/hr)	Power Input (kW)	Heating COP	Cooling COP	Combined COP
C1620W-SDNN	42°F	36	50	57.7	1159200	907900	73.68	4.6	3.6	8.2
		36.2	60	67.7	1153800	880500	79.98	4.2	3.2	7.5
		36.4	70	77.7	1148400	851700	86.76	3.9	2.9	6.8
		36.6	80	87.6	1142400	821500	94.02	3.6	2.6	6.1
		36.8	90	97.6	1138200	791200	101.7	3.3	2.3	5.6
		37	100	100.6	1133400	758800	109.92	3.0	2.0	5.0
		37.2	110	117.6	1130400	725000	118.8	2.8	1.8	4.6
		37.4	120	127.6	1126200	688300	128.22	2.6	1.6	4.1
		37.7	130	137.6	1125000	652800	138.42	2.4	1.4	3.8
	37.7	140	147.6	1123200	646500	142.14	2.3	1.3	3.6	
	50°F	42.7	50	58.8	1323600	1068000	74.7	5.2	4.2	9.4
		43.1	60	68.8	1312800	1036200	82.02	4.7	3.7	8.4
		43.4	70	78.7	1305600	1005000	88.02	4.3	3.3	7.7
		43.6	80	88.6	1296000	970800	95.46	4.0	3.0	7.0
		43.9	90	98.6	1287000	921600	103.32	3.7	2.6	6.3
		44.1	100	108.6	1278000	885600	111.72	3.4	2.3	5.7
		44.3	110	118.6	1269600	856800	120.48	3.1	2.1	5.2
		44.6	120	128.5	1261200	811200	130.32	2.8	1.8	4.7
		44.9	130	137.5	1255800	765600	140.82	2.6	1.6	4.2
	45.1	140	148.5	1249800	730800	151.2	2.4	1.4	3.8	
	60°F	52	50	59.7	1453800	1196400	75.3	5.7	4.7	10.3
		52.3	60	69.6	1440600	1161300	81.84	5.2	4.2	9.3
		52.5	70	79.6	1429800	1126800	88.8	4.7	3.7	8.4
		52.8	80	89.5	1416000	1087200	96.36	4.3	3.3	7.6
		53	90	99.4	1404600	1049000	104.28	3.9	2.9	6.9
		53.3	100	100.4	1393200	1008000	112.92	3.6	2.6	6.2
		53.6	110	119.3	1380600	965500	121.74	3.3	2.3	5.6
		53.9	120	129.3	1366200	914400	132.42	3.0	2.0	5.0
		54.2	130	139.2	1357800	871900	142.32	2.8	1.8	4.6
	54.5	140	149.1	1348200	823600	151.86	2.6	1.6	4.2	
	70°F	61.1	50	60.6	1596000	1337000	75.9	6.2	5.2	11.3
		61.2	60	70.5	1579800	1317600	82.5	5.6	4.7	10.3
		61.6	70	80.5	1565400	1260000	89.58	5.1	4.1	9.2
		61.9	80	90.4	1548000	1216000	97.2	4.7	3.7	8.3
		62.2	90	100.4	1533000	1173600	105.3	4.3	3.3	7.5
		62.5	100	110.3	1517400	1128900	113.94	3.9	2.9	6.8
		62.7	110	120.1	1503000	1080700	123.24	3.6	2.6	6.1
		63.1	120	130	1483200	1026000	134.1	3.2	2.2	5.5
		63.5	130	139.9	1470000	979900	143.76	3.0	2.0	5.0
	63.8	140	149.9	1456200	926600	155.22	2.7	1.7	4.5	
	80°F	70	50	61.7	1750800	1490400	76.44	6.7	5.7	12.4
		70.3	60	71.5	1731000	1447200	83.16	6.1	5.1	11.2
		70.6	70	81.4	1713600	1405400	90.36	5.6	4.6	10.1
		70.9	80	91.3	1693800	1359300	97.98	5.1	4.1	9.1
		71.2	90	101.2	1676400	1315400	105.6	4.7	3.7	8.3
		71.7	100	111.1	1651800	1259200	114.9	4.2	3.2	7.4
		72	110	121	1632600	1208800	124.26	3.9	2.9	6.7
		72.4	120	131	1613400	1154800	134.34	3.5	2.5	6.0
72.8		130	140.9	1593000	1098000	145.02	3.2	2.2	5.4	
73.1	140	150.7	1574400	1039600	156.66	2.9	1.9	4.9		
90°F	78.9	50	62.8	1919400	1656700	76.98	7.3	6.3	13.6	
	79.35	60	72.7	1895400	1609900	83.76	6.6	5.6	12.3	
	79.8	70	82.5	1874400	1563800	93.66	5.9	4.9	10.8	
	80.25	80	92.3	1848000	1511200	98.76	5.5	4.5	10.0	
	80.7	90	102.1	1825800	1460800	106.8	5.0	4.0	9.0	
	81.15	100	111.9	1799400	1404000	115.8	4.6	3.6	8.1	
	81.6	110	121.5	1777200	1323600	124.98	4.2	3.1	7.3	
	82.05	120	131.1	1750200	1288000	135.3	3.8	2.8	6.6	
	82.5	130	140.9	1726200	1227600	145.8	3.5	2.5	5.9	
83	140	150.7	1699800	1163500	157.98	3.2	2.2	5.3		

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