# MODEL C270WM 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| C270W-SDNN | 42°F | 36 | 50 | 57.7 | 193200 | 151300 | 12.28 | 4.6 | 3.6 | 8.2 |
| | | 36.2 | 60 | 67.7 | 192300 | 146700 | 13.33 | 4.2 | 3.2 | 7.5 |
| | | 36.4 | 70 | 77.7 | 191400 | 141900 | 14.46 | 3.9 | 2.9 | 6.8 |
| | | 36.6 | 80 | 87.6 | 190400 | 136900 | 15.67 | 3.6 | 2.6 | 6.1 |
| | | 36.8 | 90 | 97.6 | 189700 | 131800 | 16.95 | 3.3 | 2.3 | 5.6 |
| | | 37 | 100 | 100.6 | 188900 | 126400 | 18.32 | 3.0 | 2.0 | 5.0 |
| | | 37.2 | 110 | 117.6 | 188400 | 120800 | 19.8 | 2.8 | 1.8 | 4.6 |
| | | 37.4 | 120 | 127.6 | 187700 | 114700 | 21.37 | 2.6 | 1.6 | 4.1 |
| | | 37.7 | 130 | 137.6 | 187500 | 108800 | 23.07 | 2.4 | 1.4 | 3.8 |
| | | 37.7 | 140 | 147.6 | 187200 | 107700 | 23.69 | 2.3 | 1.3 | 3.6 |
| | 50°F | 42.7 | 50 | 58.8 | 220600 | 178000 | 12.45 | 5.2 | 4.2 | 9.4 |
| | | 43.1 | 60 | 68.8 | 218800 | 172700 | 13.67 | 4.7 | 3.7 | 8.4 |
| | | 43.4 | 70 | 78.7 | 217600 | 167500 | 14.67 | 4.3 | 3.3 | 7.7 |
| | | 43.6 | 80 | 88.6 | 216000 | 161800 | 15.91 | 4.0 | 3.0 | 7.0 |
| | | 43.9 | 90 | 98.6 | 214500 | 153600 | 17.22 | 3.7 | 2.6 | 6.3 |
| | | 44.1 | 100 | 108.6 | 213000 | 147600 | 18.62 | 3.4 | 2.3 | 5.7 |
| | | 44.3 | 110 | 118.6 | 211600 | 142800 | 20.08 | 3.1 | 2.1 | 5.2 |
| | | 44.6 | 120 | 128.5 | 210200 | 135200 | 21.72 | 2.8 | 1.8 | 4.7 |
| | | 44.9 | 130 | 137.5 | 209300 | 127600 | 23.47 | 2.6 | 1.6 | 4.2 |
| | | 45.1 | 140 | 148.5 | 208300 | 121800 | 25.2 | 2.4 | 1.4 | 3.8 |
| | 60°F | 52 | 50 | 59.7 | 242300 | 199400 | 12.55 | 5.7 | 4.7 | 10.3 |
| | | 52.3 | 60 | 69.6 | 240100 | 193500 | 13.64 | 5.2 | 4.2 | 9.3 |
| | | 52.5 | 70 | 79.6 | 238300 | 187800 | 14.8 | 4.7 | 3.7 | 8.4 |
| | | 52.8 | 80 | 89.5 | 236000 | 181200 | 16.06 | 4.3 | 3.3 | 7.6 |
| | | 53 | 90 | 99.4 | 234100 | 174800 | 17.38 | 3.9 | 2.9 | 6.9 |
| | | 53.3 | 100 | 100.4 | 232200 | 168000 | 18.82 | 3.6 | 2.6 | 6.2 |
| | | 53.6 | 110 | 119.3 | 230100 | 160900 | 20.29 | 3.3 | 2.3 | 5.6 |
| | | 53.9 | 120 | 129.3 | 227700 | 152400 | 22.07 | 3.0 | 2.0 | 5.0 |
| | | 54.2 | 130 | 139.2 | 226300 | 145300 | 23.72 | 2.8 | 1.8 | 4.6 |
| | | 54.5 | 140 | 149.1 | 224700 | 137200 | 25.31 | 2.6 | 1.6 | 4.2 |
| | 70°F | 61.1 | 50 | 60.6 | 266000 | 222800 | 12.65 | 6.2 | 5.2 | 11.3 |
| | | 61.2 | 60 | 70.5 | 263300 | 219600 | 13.75 | 5.6 | 4.7 | 10.3 |
| | | 61.6 | 70 | 80.5 | 260900 | 210000 | 14.93 | 5.1 | 4.1 | 9.2 |
| | | 61.9 | 80 | 90.4 | 258000 | 202600 | 16.2 | 4.7 | 3.7 | 8.3 |
| | | 62.2 | 90 | 100.4 | 255500 | 195600 | 17.55 | 4.3 | 3.3 | 7.5 |
| | | 62.5 | 100 | 110.3 | 252900 | 188100 | 18.99 | 3.9 | 2.9 | 6.8 |
| | | 62.7 | 110 | 120.1 | 250500 | 180100 | 20.54 | 3.6 | 2.6 | 6.1 |
| | | 63.1 | 120 | 130 | 247200 | 171000 | 22.35 | 3.2 | 2.2 | 5.5 |
| | | 63.5 | 130 | 139.9 | 245000 | 163300 | 23.96 | 3.0 | 2.0 | 5.0 |
| | | 63.8 | 140 | 149.9 | 242700 | 154400 | 25.87 | 2.7 | 1.7 | 4.5 |
| | 80°F | 70 | 50 | 61.7 | 291800 | 248400 | 12.74 | 6.7 | 5.7 | 12.4 |
| | | 70.3 | 60 | 71.5 | 288500 | 241200 | 13.86 | 6.1 | 5.1 | 11.2 |
| | | 70.6 | 70 | 81.4 | 285600 | 234200 | 15.06 | 5.6 | 4.6 | 10.1 |
| | | 70.9 | 80 | 91.3 | 282300 | 226500 | 16.33 | 5.1 | 4.1 | 9.1 |
| | | 71.2 | 90 | 101.2 | 279400 | 219200 | 17.6 | 4.7 | 3.7 | 8.3 |
| | | 71.7 | 100 | 111.1 | 275300 | 209800 | 19.15 | 4.2 | 3.2 | 7.4 |
| | | 72 | 110 | 121 | 272100 | 201400 | 20.71 | 3.9 | 2.9 | 6.7 |
| | | 72.4 | 120 | 131 | 268900 | 192400 | 22.39 | 3.5 | 2.5 | 6.0 |
| | | 72.8 | 130 | 140.9 | 265500 | 183000 | 24.17 | 3.2 | 2.2 | 5.4 |
| | | 73.1 | 140 | 150.7 | 262400 | 173200 | 26.11 | 2.9 | 1.9 | 4.9 |
| | 90°F | 78.9 | 50 | 62.8 | 319900 | 276100 | 12.83 | 7.3 | 6.3 | 13.6 |
| | | 79.35 | 60 | 72.7 | 315900 | 268300 | 13.96 | 6.6 | 5.6 | 12.3 |
| | | 79.8 | 70 | 82.5 | 312400 | 260600 | 15.61 | 5.9 | 4.9 | 10.8 |
| | | 80.25 | 80 | 92.3 | 308000 | 251800 | 16.46 | 5.5 | 4.5 | 10.0 |
| | | 80.7 | 90 | 102.1 | 304300 | 243400 | 17.8 | 5.0 | 4.0 | 9.0 |
| | | 81.15 | 100 | 111.9 | 299900 | 234000 | 19.3 | 4.6 | 3.6 | 8.1 |
| | | 81.6 | 110 | 121.5 | 296200 | 220600 | 20.83 | 4.2 | 3.1 | 7.3 |
| | | 82.05 | 120 | 131.1 | 291700 | 214600 | 22.55 | 3.8 | 2.8 | 6.6 |
| | | 82.5 | 130 | 140.9 | 287700 | 204600 | 24.3 | 3.5 | 2.5 | 5.9 |
| | | 83 | 140 | 150.7 | 283300 | 193900 | 26.33 | 3.2 | 2.2 | 5.3 |