



50 Hz

| MODEL VKCR | 010 | 020 | 030 | 040 | 050 | 060 | 065 | 070 |
|---|----------------------------|----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Unit Nominal Capacity TR[kW] | 9.4 [33] | 18.6 [65] | 25.9 [91] | 38.8 [136] | 52.3 [184] | 61.1 [215] | 66.2 [233] | 68.9 [242] |
| Unit Nominal Power Input kW | 11.7 | 23.1 | 32.4 | 48.3 | 65.0 | 76.6 | 75.6 | 86.2 |
| EER | 9.71 | 9.65 | 9.57 | 9.63 | 9.66 | 9.57 | 10.51 | 9.59 |
| COMPRESSOR | | | | | | | | |
| RPM | 2900 | | | | | | | |
| Min. % Unit Capacity | 50% | 50% | 50% | 25% | 25% | 25% | 25% | 25% |
| No. Of Refrigerant Circuit | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| EVAPORATOR | | | | | | | | |
| Water Connector inches[mm] | 2[50.8] | 2[50.8] | 2[50.8] | 3[76.2] | 3[76.2] | 3[76.2] | 3[76.2] | 3[76.2] |
| Nominal Water Flow USgpm[m ³ /hr] | 22.3[5.1] | 44.1[10.0] | 60.2[13.7] | 92.3[21.0] | 121.9[27.6] | 139.4[31.6] | 159.0[36.1] | 163.0[37.0] |
| Nominal Pressure Drop ft.wg[kPa] | 11.1[33.2] | 10.3[30.8] | 12.6[37.7] | 14.5[43.4] | 12.4[37.1] | 9.5[28.3] | 10.0[29.9] | 10.8[32.3] |
| Min/Max. Water Flow USgpm[m ³ /hr] | 21.0/ 73.0 [4.8/ 16.6] | 42.0/ 131.0 [9.5/ 29.8] | 53.0/ 161.0 [12.0/ 36.6] | 72.0/ 216.0 [16.4/ 49.1] | 116.0/ 351.0 [26.3/ 79.7] | 121.0/ 351.0 [27.5/ 79.7] | 136.0/ 410.0 [30.9/ 93.1] | 136.0/ 410.0 [30.9/ 93.1] |
| Min/Max. Water Pressure Drop ft.wg[kPa] | 9.5/ 78.7 [28.4/ 235.2] | 8.1/ 65.6 [24.2/ 196.1] | 8.3/ 72.0 [24.8/ 215.2] | 8.8/ 62.6 [26.3/ 187.1] | 8.6/ 63.0 [25.7/ 188.3] | 8.7/ 62.6 [26.0/ 187.1] | 8.5/ 61.9 [25.4/ 185.0] | 8.5/ 61.9 [25.4/ 185.0] |
| CONDENSER | | | | | | | | |
| Coil Rows Deep/ Total Face Area ft ² [m ²] | 3/ 20.0[1.9] | 3/ 40.6[3.8] | 4/ 47.1[4.4] | 3/ 94.1[8.7] | 4/ 94.1[8.7] | 4/ 94.1[8.7] | 4/ 133.0[12.4] | 4/ 133.0[12.4] |
| Total Air Flow cfm[m ³ /hr] | 9850 [16737] | 20150 [34239] | 20000 [33984] | 42200 [71706] | 40000 [67968] | 39200 [66609] | 58902 [100086] | 58902 [100086] |
| No Of Fan | 1 | 2 | 2 | 4 | 4 | 4 | 6 | 6 |
| Fan Diameter inches[mm] | 31.5[800] | 31.5[800] | 31.5[800] | 31.5[800] | 31.5[800] | 31.5[800] | 31.5[800] | 31.5[800] |
| Fan Motor HP (Qty) | 1.5 (1) | 1.5 (2) | 1.5 (2) | 1.5 (4) | 1.5 (4) | 1.5 (4) | 1.5 (6) | 1.5 (6) |
| Fan Motor kW Input (Qty) | 1.45 (1) | 1.45 (2) | 1.45 (2) | 1.45 (4) | 1.45 (4) | 1.45 (4) | 1.45 (6) | 1.45 (6) |
| Fan FLA , Amp (Qty) | 3.2 (1) | 3.2 (2) | 3.2 (2) | 3.2 (4) | 3.2 (4) | 3.2 (4) | 3.2 (6) | 3.2 (6) |
| GENERAL | | | | | | | | |
| Unit Length inches[mm] | 50 1/8[1280] | 96[2440] | 96[2440] | 112 1/8[2850] | 112 1/8[2850] | 112 1/8[2850] | 147 3/4[3750] | 147 3/4[3750] |
| Unit Width inches[mm] | 44[1120] | 49 1/4[1250] | 52 3/4[1340] | 89[2260] | 89[2260] | 89[2260] | 89[2260] | 89[2260] |
| Unit Height inches[mm] | 56 1/4[1430] | 71[1800] | 86[2180] | 83 3/8[2120] | 83 3/8[2120] | 83 3/8[2120] | 89 3/8[2270] | 89 3/8[2270] |
| Shipping Weight lbs[kg] | 1031 [468] | 1640 [744] | 2049 [929] | 3304 [1500] | 3960 [1796] | 4097 [1859] | 5277 [2394] | 5290 [2400] |
| Operating Weight lbs[kg] | 1036 [470] | 1652 [749] | 2064 [936] | 3329 [1511] | 3997 [1813] | 4142 [1879] | 5329 [2417] | 5342 [2423] |
| Operating Charge R410A lbs[kg] | 26[12] | 51[23] | 77[35] | 101[46] | 128[58] | 152[69] | 168[76] | 179[81] |

| MODEL VKCR | 080 | 095 | 105 | 115 | 125 | 135 | 175 |
|--|-------------------------------|-------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Unit Nominal Capacity TR[kW] | 78.1 [275] | 93.2 [328] | 101.7 [358] | 110.2 [388] | 125.3 [441] | 136.3 [479] | 173.3 [609] |
| Unit Nominal Power Input kW | 97.8 | 116.6 | 112.6 | 129.2 | 137.6 | 155.2 | 200.8 |
| EER | 9.58 | 9.60 | 10.11 | 9.86 | 10.07 | 9.74 | 9.65 |
| COMPRESSOR | | | | | | | |
| RPM | 2900 | | | | | | |
| Min. % Unit Capacity | 25% | 25% | 16.70% | 16.70% | 16.70% | 16.70% | 16.70% |
| No. Of Refrigerant Circuit | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| EVAPORATOR | | | | | | | |
| Water Connector inches[mm] | 3[76.2] | 3[76.2] | 3[76.2] | 3[76.2] | 3[76.2] | 3[76.2] | 3[76.2] |
| Nominal Water Flow USgpm[m ³ /hr] | 181.0[41.1] | 215.7[49.0] | 245.7[55.8] | 268.1[60.9] | 303.5[68.9] | 324.9[73.8] | 415.8[94.4] |
| Nominal Pressure Drop ft.wg[kPa] | 10.4[31.1] | 12.9[38.6] | 7.8[23.3] | 9.2[27.5] | 10.1[30.2] | 11.9[35.6] | 15.1[45.1] |
| Min/Max. Water Flow USgpm[m ³ /hr] | 161.0/ 484.0 [36.6/ 109.9] | 147.0/ 443.0 [33.4/ 100.6] | 210.0/ 400.0 [47.7/ 90.8] | 210.0/ 400.0 [47.7/ 90.8] | 250.0/ 450.0 [56.8/ 102.2] | 250.0/ 450.0 [56.8/ 102.2] | 270.0/ 480.0 [61.3/ 109.0] |
| Min/Max. Water Pressure Drop ft.wg[kPa] | 8.3/ 60.0 [24.8/ 179.3] | 8.4/ 61.2 [25.1/ 182.9] | 5.1/ 30.0 [15.2/ 89.7] | 5.1/ 30.0 [15.2/ 89.7] | 5.1/ 30.0 [15.2/ 89.7] | 5.1/ 30.0 [15.2/ 89.7] | 5.1/ 30.0 [15.2/ 89.7] |
| CONDENSER | | | | | | | |
| Coil Rows Deep Total Face Area ft ² [m ²] | 4/ 133.0[12.4] | 4/ 177.3[16.8] | 4/ 188.2[17.4] | 4/ 188.2[17.4] | 4/ 235.3[21.9] | 4/ 235.3[21.9] | 4/ 282.3[26.2] |
| Total Air Flow cfm[m ³ /hr] | 57942 [98455] | 77300 [131348] | 79200 [134577] | 78400 [133217] | 98000 [166522] | 100000 [169920] | 120000 [203904] |
| No Of Fan | 6 | 8 | 8 | 8 | 10 | 10 | 12 |
| Fan Diameter inches[mm] | 31.5[800] | 31.5[800] | 31.5[800] | 31.5[800] | 31.5[800] | 31.5[800] | 31.5[800] |
| Fan Motor HP (Qty) | 1.5 (6) | 1.5 (8) | 1.5 (8) | 1.5 (8) | 1.5 (10) | 1.5 (10) | 1.5 (12) |
| Fan Motor kW Input (Qty) | 1.45 (6) | 1.45 (8) | 1.45 (8) | 1.45 (8) | 1.45 (10) | 1.45 (10) | 1.45 (12) |
| Fan FLA , Amp (Qty) | 3.2 (6) | 3.2 (8) | 3.2 (8) | 3.2 (8) | 3.2 (10) | 3.2 (10) | 3.2 (12) |
| GENERAL | | | | | | | |
| Unit Length inches[mm] | 147 3/4[3750] | 189 1/8[4800] | 183 1/2[4660] | 183 1/2[4660] | 225 1/2[5730] | 225 1/2[5730] | 267 1/2[6800] |
| Unit Width inches[mm] | 89[2260] | 89[2260] | 88[2240] | 88[2240] | 88[2240] | 88[2240] | 88[2240] |
| Unit Height inches[mm] | 89 3/8[2270] | 89 1/2[2270] | 93[2360] | 93[2360] | 93[2360] | 93[2360] | 93[2360] |
| Shipping Weight lbs[kg] | 5551 [2517] | 7042 [3195] | 7805 [3540] | 8130 [3688] | 9326 [4230] | 8831 [4006] | 10662 [4836] |
| Operating Weight lbs[kg] | 5608 [2543] | 7113 [3227] | 7873 [3571] | 8201 [3720] | 9399 [4263] | 8948 [4059] | 10824 [4910] |
| Operating Charge R410A lbs[kg] | 203[92] | 229[104] | 259[117] | 284[129] | 322[146] | 342[155] | 441[200] |

Notes: 1. The above data are rated in accordance with AHRI Standard 550/590 with following conditions:
 Evaporator leaving fluid temperature 44°F with fluid flow rate 2.4 USgpm/ton; ambient temperature at 95°F; evaporator fouling factor 0.0001hr.ft² °F/Btu
 2. To consult nearest ODYNE sales office for computer selections other than above operating conditions



60 Hz

| MODEL 6VKCR | 010 | 020 | 030 | 040 | 050 | 060 | 070 | 080 |
|---|-----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|
| Unit Nominal Capacity TR[kW] | 10.5[36.8] | 22.2[77.9] | 28.2[99.2] | 44.3[155.8] | 55.6[195.6] | 64.9[228.3] | 73.5[258.6] | 84.1[295.7] |
| Unit Nominal Power Input kW | 12.3 | 25.9 | 33.1 | 52.0 | 65.5 | 76.9 | 87.2 | 99.4 |
| EER | 10.23 | 10.27 | 10.22 | 10.22 | 10.18 | 10.13 | 10.12 | 10.14 |
| COMPRESSOR | | | | | | | | |
| RPM | 3500 | | | | | | | |
| Min. % Unit Capacity | 50% | 50% | 50% | 25% | 25% | 25% | 25% | 25% |
| No. Of Refrigerant Circuit | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| EVAPORATOR | | | | | | | | |
| Water Connector inches[mm] | 2.0 [50.8] | 2.0 [50.8] | 2.0 [50.8] | 2.5[63.5] | 2.5[63.5] | 2.5[63.5] | 2.5[63.5] | 2.5[63.5] |
| Nominal Water Flow USgpm[m ³ /hr] | 25.1[5.7] | 53.2[12.1] | 67.7[15.4] | 106.3[24.2] | 133.5[30.3] | 155.8[35.4] | 176.5[40.1] | 201.8[45.8] |
| Nominal Pressure Drop ft.wg[kPa] | 12.6[37.6] | 13.4[40.0] | 14.3[42.8] | 17.1[51.2] | 17.1[51.2] | 17.6[52.7] | 13.2[39.5] | 14.5[43.4] |
| Min/Max. Water Flow USgpm[m ³ /hr] | 23.0/ 73.0 [5.2/ 16.6] | 42.0/ 131.0 [9.5/ 29.8] | 53.0/ 161.0 [12.0/ 36.6] | 72.0/ 216.0 [16.4/ 49.1] | 90.0/ 272.0 [20.4/ 61.8] | 116.0/ 351.0 [26.3/ 79.7] | 121.0/ 363.0 [27.5/ 82.4] | 136.0/ 410.0 [30.9/ 93.1] |
| Min/Max. Water Pressure Drop ft.wg[kPa] | 10.7/ 85.9 [32.0/ 256.8] | 8.8/ 67.9 [26.3/ 203.0] | 9.2/ 68.1 [27.5/ 203.5] | 8.5/ 61.3 [25.4/ 183.2] | 8.4/ 61.7 [25.1/ 184.4] | 10.4/ 76.1 [31.1/ 227.5] | 6.7/ 48.4 [20.0/ 144.7] | 7.1/ 52.0 [21.2/ 155.4] |
| CONDENSER | | | | | | | | |
| Coil Rows Deep/ Total Face Area ft ² [m ²] | 3/ 20.0[1.9] | 3/ 40.6[3.8] | 4/ 47.1[4.4] | 3/ 94.1[8.7] | 3/ 94.1[8.7] | 4/ 94.1[8.7] | 4/ 94.1[8.7] | 4/ 133.0[12.4] |
| Total Air Flow cfm[m ³ /hr] | 10150 [17247] | 24740 [42038] | 24570 [41749] | 51940 [88256] | 50380 [85605] | 49940 [84858] | 48280 [82037] | 71400 [121323] |
| No Of Fan | 1 | 2 | 2 | 4 | 4 | 4 | 4 | 6 |
| Fan Diameter inches[mm] | 30.0[762] | 31.5[800] | 31.5[800] | 31.5[800] | 31.5[800] | 31.5[800] | 31.5[800] | 31.5[800.0] |
| Motor kW (Qty) | 1.41 (1) | 1.85 (2) | 1.85 (2) | 1.85 (4) | 1.85 (4) | 1.85 (4) | 1.85 (4) | 1.85 (6) |
| Fan FLA , Amp (Qty) | 2.7 (1) | 3.4 (2) | 3.4 (4) | 3.4 (4) | 3.4 (4) | 3.4 (4) | 3.4 (4) | 3.4 (6) |
| GENERAL | | | | | | | | |
| Unit Length inches[mm] | 50 1/8[1280] | 96[2440] | 96[2440] | 112 1/8[2850] | 112 1/8[2850] | 112 1/8[2850] | 112 1/8[2850] | 147 3/4[3750] |
| Unit Width inches[mm] | 51 1/4[1300] | 49 1/4[1250] | 52 3/4[1340] | 89[2260] | 89[2260] | 89[2260] | 89[2260] | 89[2260] |
| Unit Height inches[mm] | 55 1/2[1410] | 69 3/4[1770] | 85[2155] | 82 1/2[2100] | 82 1/2[2100] | 82 1/2[2100] | 82 1/2[2100] | 88[2240] |
| Shipping Weight lbs[kg] | 929[421] | 1656[751] | 2407[1092] | 3030[1375] | 3501[1588] | 3661[1661] | 3767[1709] | 4865[2207] |
| Operating Weight lbs[kg] | 934[424] | 1669[757] | 2422[1099] | 3056[1386] | 3535[1603] | 3700[1678] | 3813[1730] | 4918[2231] |
| Operating Charge R410A lbs[kg] | 26[12] | 51[23] | 77[35] | 101[46] | 128[58] | 152[69] | 179[81] | 203[92] |

| MODEL 6VKCR | 090 | 100 | 120 | 135 | 150 | 165 | 180 |
|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Unit Nominal Capacity TR[kW] | 92.1[323.9] | 105.0[369.4] | 113.2[398.3] | 127.7[449.1] | 142.8[502.3] | 156.4[549.9] | 171.0[601.5] |
| Unit Nominal Power Input kW | 109.1 | 123.4 | 133.6 | 146.5 | 162.6 | 182.5 | 200.5 |
| EER | 10.13 | 10.21 | 10.17 | 10.46 | 10.54 | 10.28 | 10.24 |
| COMPRESSOR | | | | | | | |
| RPM | 3500 | | | | | | |
| Min. % Unit Capacity | 25% | 25% | 25% | 16.7% | 16.7% | 16.7% | 16.7% |
| No. Of Refrigerant Circuit | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| EVAPORATOR | | | | | | | |
| Water Connector inches[mm] | 2.5[63.5] | 2.5[63.5] | 2.5[63.5] | 4.0[101.6] | 4.0[101.6] | 4.0[101.6] | 4.0[101.6] |
| Nominal Water Flow USgpm[m ³ /hr] | 221.0[50.2] | 252.1[57.3] | 271.8[61.7] | 306.5[69.6] | 342.8[77.9] | 375.3[85.2] | 410.5[93.2] |
| Nominal Pressure Drop ft.wg[kPa] | 13.8[41.3] | 17.5[52.3] | 17.9[53.6] | 11.6[34.7] | 14.2[42.4] | 15.1[45.0] | 14.3[42.6] |
| Min/Max. Water Flow USgpm[m ³ /hr] | 161.0/ 484.0 [36.6/ 109.9] | 161.0/ 484.0 [36.6/ 109.9] | 185.0/ 551.0 [42.0/ 125.1] | 210.0/ 519.7 [47.7/ 118.0] | 210.0/ 519.7 [47.7/ 118.0] | 250.0/ 550.3 [56.8/ 125.0] | 270.0/ 620.7 [61.3/ 141.0] |
| Min/Max. Water Pressure Drop ft.wg[kPa] | 7.8/ 56.6 [23.3/ 169.2] | 7.8/ 56.6 [23.3/ 169.2] | 9.0/ 64.0 [26.9/ 191.3] | 5.9/ 30.0 [17.6/ 89.7] | 5.9/ 30.0 [17.6/ 89.7] | 7.3/ 30.0 [21.8/ 89.7] | 6.7/ 30.0 [20.0/ 89.7] |
| CONDENSER | | | | | | | |
| Coil Rows Deep/ Total Face Area ft ² [m ²] | 4/ 133.0[12.4] | 4/ 177.3[16.5] | 4/ 177.3[16.5] | 4/ 235.6[21.9] | 4/ 235.6[21.9] | 4/ 282.6[26.3] | 4/ 282.6[26.3] |
| Total Air Flow cfm[m ³ /hr] | 71400 [121323] | 96960 [164754] | 95200 [161764] | 124140 [210939] | 122850 [208747] | 147420 [250496] | 147420 [250496] |
| No Of Fan | 8 | 8 | 8 | 10 | 10 | 12 | 12 |
| Fan Diameter inches[mm] | 31.5[800.0] | 31.5[800.0] | 31.5[800.0] | 31.5[800.0] | 31.5[800.0] | 31.5[800.0] | 31.5[800.0] |
| Motor kW (Qty) | 1.85 (8) | 1.85 (8) | 1.85 (8) | 1.85 (10) | 1.85 (10) | 1.85 (12) | 1.85 (12) |
| Fan FLA , Amp (Qty) | 3.4 (8) | 3.4 (8) | 3.4 (8) | 3.4 (10) | 3.4 (10) | 3.4 (12) | 3.4 (12) |
| GENERAL | | | | | | | |
| Unit Length inches[mm] | 147 3/4[3750] | 189 1/8[4800] | 189 1/8[4800] | 225 1/2[5730] | 225 1/2[5730] | 267 5/8[6800] | 267 5/8[6800] |
| Unit Width inches[mm] | 89[2260] | 89[2260] | 89[2260] | 89[2260] | 89[2260] | 89[2260] | 89[2260] |
| Unit Height inches[mm] | 88[2240] | 88[2240] | 88[2240] | 93[2360] | 93[2360] | 93[2360] | 93[2360] |
| Shipping Weight lbs[kg] | 5231[2373] | 6196[2811] | 6309[2862] | 7336[3328] | 7888[3578] | 9120[4137] | 9844[4465] |
| Operating Weight lbs[kg] | 5290[2400] | 6264[2841] | 6383[2895] | 7454[3381] | 8005[3631] | 9251[4196] | 10007[4539] |
| Operating Charge R410A lbs[kg] | 229[104] | 254[115] | 304[138] | 342[155] | 381[173] | 419[190] | 456[207] |

Notes: 1. The above data are rated in accordance with AHRI Standard 550/590 with following conditions:
 Evaporator leaving fluid temperature 44°F with fluid flow rate 2.4 USgpm/ton; ambient temperature at 95°F; evaporator fouling factor 0.0001hr.ft².°F/Btu
 2. To consult nearest ODYNE sales office for computer selections other than above operating conditions



50 Hz

| LWT °F | MODEL VKCR | AMBIENT TEMPERATURE, °F | | | | | | | | | | | |
|-----------|---------------|-------------------------|-----------------|-------|-------|-----------------|-------|-------|-----------------|-------|-------|-----------------|------|
| | | 85 | | | 95 | | | 105 | | | 115 | | |
| | | TR | kW ⁱ | EER | TR | kW ⁱ | EER | TR | kW ⁱ | EER | TR | kW ⁱ | EER |
| 40 | 010 | 9.4 | 9.1 | 10.73 | 8.7 | 10.1 | 9.04 | 8.0 | 11.2 | 7.61 | 7.2 | 12.4 | 6.25 |
| | 020 | 18.6 | 17.8 | 10.78 | 17.4 | 19.8 | 9.16 | 15.9 | 22.2 | 7.62 | 14.5 | 24.9 | 6.26 |
| | 030 | 26.1 | 25.8 | 10.90 | 24.1 | 28.9 | 9.09 | 22.1 | 32.4 | 7.52 | 20.1 | 36.4 | 6.13 |
| | 040 | 39.0 | 37.4 | 10.84 | 36.2 | 41.8 | 9.11 | 33.2 | 47.0 | 7.55 | 30.1 | 53.1 | 6.14 |
| | 050 | 52.4 | 51.8 | 10.93 | 48.8 | 58.0 | 9.19 | 44.8 | 65.0 | 7.59 | 40.6 | 73.0 | 6.18 |
| | 060 | 61.2 | 61.8 | 10.87 | 56.7 | 69.3 | 9.07 | 52.0 | 77.5 | 7.48 | 47.0 | 87.0 | 6.08 |
| | 065 | 65.4 | 58.6 | 11.65 | 61.4 | 65.3 | 9.96 | 55.9 | 73.0 | 8.20 | 50.7 | 81.6 | 6.74 |
| | 070 | 68.1 | 67.9 | 10.67 | 63.9 | 75.7 | 9.09 | 58.2 | 84.6 | 7.48 | 52.8 | 94.6 | 6.13 |
| | 080 | 78.3 | 75.9 | 11.11 | 72.8 | 86.7 | 9.16 | 67.1 | 93.7 | 7.86 | 61.0 | 104.5 | 6.46 |
| | 095 | 93.0 | 92.8 | 10.69 | 86.6 | 103.3 | 9.04 | 79.8 | 115.1 | 7.57 | 72.6 | 128.4 | 6.22 |
| | 105 | 102.4 | 95.8 | 11.44 | 95.3 | 106.6 | 9.68 | 87.5 | 119.3 | 8.02 | 79.4 | 133.5 | 6.57 |
| | 115 | 111.8 | 107.1 | 11.30 | 103.6 | 119.0 | 9.52 | 95.1 | 132.3 | 7.93 | 86.1 | 147.7 | 6.49 |
| | 125 | 125.7 | 119.0 | 11.30 | 117.0 | 132.3 | 9.56 | 107.7 | 147.3 | 7.99 | 97.8 | 164.4 | 6.56 |
| 135 | 136.6 | 135.3 | 10.94 | 126.9 | 150.6 | 9.22 | 116.5 | 167.8 | 7.67 | 105.6 | 187.1 | 6.29 | |
| 175 | 174.3 | 175.5 | 10.84 | 162.1 | 194.3 | 9.19 | 149.0 | 215.5 | 7.68 | 135.5 | 239.2 | 6.34 | |
| 42 | 010 | 9.7 | 9.2 | 11.02 | 9.0 | 10.2 | 9.34 | 8.3 | 11.3 | 7.86 | 7.5 | 12.4 | 6.49 |
| | 020 | 19.3 | 17.9 | 11.11 | 18.0 | 20.0 | 9.41 | 16.5 | 22.4 | 7.85 | 15.0 | 25.1 | 6.43 |
| | 030 | 26.9 | 26.0 | 11.15 | 25.0 | 29.2 | 9.37 | 23.0 | 32.7 | 7.75 | 20.8 | 36.7 | 6.30 |
| | 040 | 40.4 | 37.7 | 11.16 | 37.5 | 42.2 | 9.38 | 34.4 | 47.4 | 7.77 | 31.2 | 53.4 | 6.33 |
| | 050 | 54.4 | 52.2 | 11.25 | 50.6 | 58.5 | 9.44 | 46.5 | 65.5 | 7.82 | 42.0 | 73.5 | 6.36 |
| | 060 | 63.3 | 62.4 | 11.14 | 58.7 | 69.9 | 9.31 | 53.8 | 78.2 | 7.68 | 48.6 | 87.7 | 6.24 |
| | 065 | 67.7 | 59.2 | 11.96 | 63.6 | 66.0 | 10.22 | 57.9 | 73.5 | 8.45 | 52.5 | 82.3 | 6.92 |
| | 070 | 70.4 | 68.6 | 10.94 | 66.2 | 76.4 | 9.33 | 60.3 | 85.2 | 7.71 | 54.7 | 95.3 | 6.31 |
| | 080 | 81.1 | 76.6 | 11.41 | 75.2 | 87.6 | 9.37 | 69.5 | 94.5 | 8.08 | 63.2 | 105.4 | 6.64 |
| | 095 | 96.3 | 93.5 | 11.00 | 89.7 | 104.1 | 9.30 | 82.6 | 116.0 | 7.77 | 75.2 | 129.3 | 6.40 |
| | 105 | 106.0 | 96.7 | 11.75 | 98.5 | 107.9 | 9.89 | 90.5 | 120.4 | 8.23 | 82.2 | 134.6 | 6.75 |
| | 115 | 115.7 | 108.2 | 11.59 | 107.3 | 120.2 | 9.77 | 98.4 | 133.6 | 8.13 | 89.1 | 149.2 | 6.65 |
| | 125 | 130.2 | 120.1 | 11.61 | 121.1 | 133.5 | 9.82 | 111.5 | 148.6 | 8.20 | 101.3 | 165.7 | 6.75 |
| 135 | 141.5 | 136.6 | 11.24 | 131.3 | 152.0 | 9.46 | 120.7 | 169.1 | 7.89 | 109.3 | 188.8 | 6.45 | |
| 175 | 180.4 | 177.1 | 11.13 | 167.4 | 196.1 | 9.41 | 154.1 | 217.5 | 7.87 | 140.1 | 241.5 | 6.49 | |
| 44 | 010 | 10.1 | 9.2 | 11.43 | 9.4 | 10.2 | 9.71 | 8.7 | 11.3 | 8.21 | 7.8 | 12.5 | 6.72 |
| | 020 | 19.9 | 18.1 | 11.37 | 18.6 | 20.2 | 9.65 | 17.2 | 22.6 | 8.08 | 15.5 | 25.3 | 6.61 |
| | 030 | 27.9 | 26.3 | 11.48 | 25.9 | 29.5 | 9.57 | 23.8 | 33.0 | 7.96 | 21.5 | 37.0 | 6.48 |
| | 040 | 41.8 | 38.0 | 11.45 | 38.8 | 42.5 | 9.63 | 35.7 | 47.7 | 7.99 | 32.2 | 53.8 | 6.49 |
| | 050 | 56.3 | 52.7 | 11.56 | 52.3 | 59.2 | 9.66 | 48.0 | 66.1 | 8.02 | 43.5 | 74.2 | 6.52 |
| | 060 | 65.4 | 63.0 | 11.41 | 61.1 | 70.8 | 9.57 | 55.7 | 78.9 | 7.88 | 50.3 | 88.4 | 6.40 |
| | 065 | 70.0 | 59.8 | 12.27 | 66.2 | 66.9 | 10.51 | 59.9 | 74.2 | 8.66 | 54.4 | 83.0 | 7.12 |
| | 070 | 73.0 | 69.3 | 11.23 | 68.9 | 77.5 | 9.59 | 62.3 | 86.0 | 7.90 | 56.6 | 96.1 | 6.48 |
| | 080 | 83.9 | 77.4 | 11.69 | 78.1 | 89.1 | 9.58 | 71.9 | 95.4 | 8.29 | 65.3 | 106.3 | 6.82 |
| | 095 | 99.8 | 94.4 | 11.29 | 93.2 | 105.0 | 9.60 | 85.7 | 116.9 | 8.00 | 78.0 | 130.3 | 6.59 |
| | 105 | 109.7 | 97.7 | 12.04 | 101.7 | 109.1 | 10.11 | 93.7 | 121.4 | 8.45 | 85.1 | 135.7 | 6.93 |
| | 115 | 119.6 | 109.4 | 11.86 | 110.2 | 122.5 | 9.86 | 101.8 | 135.0 | 8.33 | 92.2 | 150.4 | 6.83 |
| | 125 | 134.8 | 121.3 | 11.91 | 125.3 | 134.8 | 10.07 | 115.5 | 149.9 | 8.43 | 105.0 | 167.1 | 6.94 |
| 135 | 146.4 | 138.0 | 11.52 | 136.3 | 153.4 | 9.74 | 124.9 | 170.7 | 8.09 | 113.3 | 190.3 | 6.64 | |
| 175 | 186.5 | 178.8 | 11.41 | 173.3 | 198.1 | 9.65 | 159.4 | 219.5 | 8.07 | 144.8 | 243.7 | 6.65 | |

LEGEND

LWT : Leaving Chilled Water Temperature

kWⁱ : Compressor Power Input In kW

TR : Cooling Capacity In TR.

EER : Unit Energy Efficiency Ratio (Includes power input for compressors and fan motors.)

NOTES:

1. Rating is based on 10°F temperature different at evaporator inlet/outlet fluid temperature, and evaporator fouling factor 0.0001hr.ft².°F/Btu
2. Interpolation between ratings is permissible but extrapolation is NOT.



50 Hz

| LWT °F | MODEL VKCR | AMBIENT TEMPERATURE, °F | | | | | | | | | | | |
|-----------|---------------|-------------------------|-----------------|-------|-------|-----------------|-------|-------|-----------------|-------|-------|-----------------|------|
| | | 85 | | | 95 | | | 105 | | | 115 | | |
| | | TR | kW ⁱ | EER | TR | kW ⁱ | EER | TR | kW ⁱ | EER | TR | kW ⁱ | EER |
| 46 | 010 | 10.4 | 9.2 | 11.72 | 9.7 | 10.3 | 9.97 | 9.0 | 11.4 | 8.45 | 8.1 | 12.6 | 6.95 |
| | 020 | 20.6 | 18.3 | 11.69 | 19.3 | 20.4 | 9.95 | 17.8 | 22.7 | 8.31 | 16.1 | 25.5 | 6.82 |
| | 030 | 28.8 | 26.5 | 11.76 | 26.8 | 29.7 | 9.87 | 24.6 | 33.2 | 8.18 | 22.2 | 37.3 | 6.65 |
| | 040 | 43.2 | 38.4 | 11.74 | 40.2 | 42.9 | 9.91 | 37.0 | 48.1 | 8.23 | 33.4 | 54.1 | 6.69 |
| | 050 | 58.2 | 53.2 | 11.83 | 54.1 | 59.5 | 9.94 | 49.6 | 66.7 | 8.22 | 45.0 | 74.7 | 6.71 |
| | 060 | 67.6 | 63.8 | 11.67 | 62.6 | 71.3 | 9.74 | 57.4 | 79.7 | 8.06 | 52.0 | 89.2 | 6.57 |
| | 065 | 72.4 | 60.4 | 12.58 | 68.1 | 67.2 | 10.76 | 62.0 | 74.9 | 8.90 | 56.3 | 83.7 | 7.31 |
| | 070 | 75.4 | 70.0 | 11.51 | 70.8 | 77.8 | 9.83 | 64.6 | 86.7 | 8.12 | 58.6 | 96.9 | 6.66 |
| | 080 | 86.8 | 78.2 | 11.98 | 80.6 | 89.4 | 9.86 | 74.6 | 96.2 | 8.53 | 67.6 | 107.2 | 7.00 |
| | 095 | 103.3 | 95.3 | 11.59 | 96.1 | 105.9 | 9.82 | 88.7 | 117.8 | 8.22 | 80.7 | 131.3 | 6.77 |
| | 105 | 113.4 | 98.7 | 12.34 | 105.4 | 109.9 | 10.41 | 96.9 | 122.5 | 8.67 | 88.0 | 136.9 | 7.11 |
| | 115 | 123.7 | 110.7 | 12.14 | 114.7 | 122.7 | 10.25 | 105.2 | 136.3 | 8.54 | 95.4 | 151.9 | 7.00 |
| | 125 | 139.5 | 122.5 | 12.22 | 129.8 | 135.9 | 10.36 | 119.5 | 151.2 | 8.65 | 108.6 | 168.6 | 7.12 |
| 135 | 151.5 | 139.3 | 11.82 | 140.6 | 154.9 | 9.96 | 129.2 | 172.2 | 8.30 | 117.2 | 192.0 | 6.81 | |
| 175 | 192.8 | 180.5 | 11.69 | 179.0 | 200.1 | 9.88 | 164.7 | 221.6 | 8.27 | 149.7 | 246.0 | 6.82 | |
| 48 | 010 | 10.8 | 9.3 | 12.11 | 10.0 | 10.3 | 10.23 | 9.3 | 11.4 | 8.69 | 8.4 | 12.6 | 7.17 |
| | 020 | 21.4 | 18.4 | 12.05 | 19.9 | 20.5 | 10.19 | 18.4 | 22.9 | 8.54 | 16.6 | 25.7 | 6.99 |
| | 030 | 29.8 | 26.8 | 12.04 | 27.7 | 29.9 | 10.13 | 25.4 | 33.5 | 8.38 | 23.1 | 37.6 | 6.84 |
| | 040 | 44.7 | 38.7 | 12.06 | 41.6 | 43.3 | 10.18 | 38.2 | 48.4 | 8.45 | 34.5 | 54.5 | 6.87 |
| | 050 | 60.3 | 53.7 | 12.16 | 55.9 | 60.0 | 10.20 | 51.4 | 67.1 | 8.46 | 46.6 | 75.3 | 6.89 |
| | 060 | 69.9 | 64.4 | 11.94 | 64.7 | 71.9 | 9.99 | 59.3 | 80.4 | 8.26 | 53.8 | 90.0 | 6.74 |
| | 065 | 74.9 | 61.0 | 12.89 | 70.3 | 67.8 | 11.03 | 64.1 | 75.5 | 9.13 | 58.2 | 84.3 | 7.50 |
| | 070 | 78.0 | 70.7 | 11.79 | 73.3 | 78.6 | 10.08 | 66.7 | 87.4 | 8.32 | 60.6 | 97.7 | 6.83 |
| | 080 | 89.8 | 79.1 | 12.28 | 83.3 | 90.3 | 10.10 | 76.9 | 97.1 | 8.73 | 70.0 | 108.2 | 7.19 |
| | 095 | 106.8 | 96.2 | 11.89 | 99.4 | 106.9 | 10.07 | 91.7 | 118.9 | 8.43 | 83.6 | 132.4 | 6.97 |
| | 105 | 117.3 | 99.7 | 12.65 | 109.0 | 110.9 | 10.68 | 100.2 | 123.6 | 8.89 | 91.1 | 138.0 | 7.31 |
| | 115 | 127.9 | 111.9 | 12.43 | 118.6 | 124.0 | 10.50 | 108.8 | 137.7 | 8.74 | 98.6 | 153.4 | 7.17 |
| | 125 | 144.3 | 123.7 | 12.53 | 134.7 | 136.6 | 10.70 | 123.6 | 152.6 | 8.88 | 112.5 | 169.9 | 7.32 |
| 135 | 156.6 | 140.7 | 12.11 | 145.4 | 156.3 | 10.22 | 133.7 | 173.7 | 8.52 | 121.3 | 193.7 | 6.99 | |
| 175 | 199.2 | 182.1 | 11.98 | 183.4 | 201.6 | 10.05 | 170.1 | 223.8 | 8.46 | 154.9 | 248.0 | 7.00 | |
| 50 | 010 | 11.2 | 9.3 | 12.40 | 10.4 | 10.4 | 10.60 | 9.6 | 11.5 | 8.94 | 8.7 | 12.7 | 7.40 |
| | 020 | 22.1 | 18.6 | 12.36 | 20.6 | 20.7 | 10.49 | 19.0 | 23.1 | 8.77 | 17.3 | 25.9 | 7.19 |
| | 030 | 30.8 | 27.0 | 12.34 | 28.6 | 30.2 | 10.39 | 26.3 | 33.8 | 8.60 | 23.8 | 37.9 | 7.00 |
| | 040 | 46.3 | 39.1 | 12.37 | 43.0 | 43.7 | 10.44 | 39.5 | 48.8 | 8.68 | 35.8 | 54.9 | 7.07 |
| | 050 | 62.2 | 54.2 | 12.44 | 57.8 | 60.6 | 10.44 | 53.0 | 67.8 | 8.65 | 48.1 | 76.0 | 7.06 |
| | 060 | 72.1 | 65.1 | 12.19 | 66.8 | 72.7 | 10.21 | 61.2 | 81.2 | 8.44 | 55.4 | 90.8 | 6.89 |
| | 065 | 77.4 | 61.6 | 13.21 | 72.7 | 68.5 | 11.29 | 66.2 | 76.2 | 9.36 | 60.1 | 85.1 | 7.69 |
| | 070 | 80.6 | 71.4 | 12.08 | 75.6 | 79.3 | 10.31 | 68.9 | 88.2 | 8.53 | 62.6 | 98.6 | 7.00 |
| | 080 | 92.8 | 79.9 | 12.57 | 86.0 | 91.3 | 10.32 | 79.4 | 98.1 | 8.93 | 72.4 | 109.1 | 7.37 |
| | 095 | 110.5 | 97.1 | 12.20 | 103.0 | 107.7 | 10.36 | 94.9 | 119.8 | 8.67 | 86.4 | 133.5 | 7.14 |
| | 105 | 121.2 | 100.8 | 12.94 | 112.6 | 112.0 | 10.93 | 103.6 | 124.8 | 9.11 | 94.2 | 139.2 | 7.50 |
| | 115 | 132.1 | 113.2 | 12.70 | 122.5 | 125.3 | 10.74 | 112.4 | 139.1 | 8.95 | 101.9 | 154.9 | 7.34 |
| | 125 | 149.2 | 125.0 | 12.83 | 138.8 | 138.6 | 10.88 | 127.8 | 153.9 | 9.11 | 116.4 | 171.4 | 7.51 |
| 135 | 161.9 | 142.2 | 12.40 | 150.2 | 157.9 | 10.45 | 138.2 | 175.3 | 8.74 | 125.4 | 195.5 | 7.17 | |
| 175 | 205.7 | 183.8 | 12.27 | 189.5 | 203.3 | 10.30 | 175.7 | 225.8 | 8.67 | 159.8 | 250.5 | 7.16 | |

LEGEND

LWT : Leaving Chilled Water Temperature

kWⁱ : Compressor Power Input In kW

TR : Cooling Capacity In TR.

EER : Unit Energy Efficiency Ratio (Includes power input for compressors and fan motors.)

NOTES:

1. Rating is based on 10°F temperature different at evaporator inlet/outlet fluid temperature, and evaporator fouling factor 0.0001hr.ft².°F/Btu

2. Interpolation between ratings is permissible but extrapolation is NOT.