

جدول تغییر ظرفیت چیلرهای اسکرو آب خنک سری SSC - W

Table for change of capacity of water Cooled chillers SSC-W

| Evaporator Leaving Water Temp. °F [°C] | Unit Model | Condenser Entering Water Temp. °F [°C] | | | | | | | | |
|--|------------|--|------------------|-------------|-----------------------|------------------|-------------|-----------------------|------------------|-------------|
| | | 75 [24] | | | 85 [30] | | | 95 [35] | | |
| | | Cooling Capacity [RT] | Input Power [kW] | EER [kW/kW] | Cooling Capacity [RT] | Input Power [kW] | EER [kW/kW] | Cooling Capacity [RT] | Input Power [kW] | EER [kW/kW] |
| 40 [4.4] | SSC 025 W | 26 | 17.1 | 5.3 | 24.2 | 19.2 | 4.4 | 22.5 | 18.6 | 4.3 |
| | SSC 040 W | 38.2 | 24.7 | 5.4 | 35.5 | 27.7 | 4.5 | 33 | 26.7 | 4.3 |
| | SSC 065 W | 62.3 | 38.8 | 5.6 | 57.9 | 43.4 | 4.7 | 53.9 | 42 | 4.5 |
| | SSC 090 W | 90.6 | 56.1 | 5.7 | 84.2 | 62.8 | 4.7 | 78.3 | 60.7 | 4.5 |
| | SSC 110 W | 94.7 | 67.6 | 5.7 | 102 | 75.7 | 4.75 | 94.85 | 73.15 | 4.55 |
| | SSC 130 W | 128.8 | 79.1 | 5.7 | 119.8 | 88.6 | 4.8 | 111.4 | 85.6 | 4.6 |
| 42 [5.5] | SSC 025 W | 27.1 | 17.2 | 5.5 | 25.2 | 19.3 | 4.6 | 23.4 | 21.9 | 3.8 |
| | SSC 040 W | 39.7 | 24.8 | 5.6 | 36.9 | 27.8 | 4.7 | 34.4 | 31.5 | 3.8 |
| | SSC 065 W | 64.7 | 39 | 5.8 | 60.2 | 43.7 | 4.8 | 56 | 49.5 | 4 |
| | SSC 090 W | 94.1 | 56.3 | 5.9 | 87.6 | 63.1 | 4.9 | 81.4 | 71.5 | 4 |
| | SSC 110 W | 114 | 67.9 | 5.9 | 106.05 | 76.05 | 4.9 | 98.6 | 86.2 | 4 |
| | SSC 130 W | 133.9 | 79.5 | 5.9 | 124.5 | 89 | 4.9 | 115.8 | 100.9 | 4 |
| 44 [6.6] | SSC 025 W | 28.1 | 17.2 | 5.7 | 26.2 | 19.3 | 4.8 | 24.3 | 21.9 | 3.9 |
| | SSC 040 W | 41.3 | 24.8 | 5.8 | 38.4 | 27.8 | 4.9 | 35.7 | 31.5 | 4 |
| | SSC 065 W | 67.3 | 39 | 6.1 | 62.6 | 43.7 | 5 | 58.2 | 49.5 | 4.1 |
| | SSC 090 W | 97.9 | 56.3 | 6.1 | 91 | 63.1 | 5.1 | 84.6 | 71.5 | 4.2 |
| | SSC 110 W | 118.5 | 67.9 | 6.15 | 110.2 | 76.05 | 5.1 | 102.45 | 86.2 | 4.2 |
| | SSC 130 W | 139.1 | 79.5 | 6.2 | 129.4 | 89 | 5.1 | 120.3 | 100.9 | 4.2 |
| 46 [7.7] | SSC 025 W | 29.2 | 17.4 | 5.9 | 27.2 | 19.5 | 4.9 | 25.3 | 22.1 | 4 |
| | SSC 040 W | 42.9 | 25 | 6 | 39.9 | 28 | 5 | 37.1 | 31.8 | 4.1 |
| | SSC 065 W | 69.9 | 39.3 | 6.3 | 65 | 44 | 5.2 | 60.5 | 49.9 | 4.3 |
| | SSC 090 W | 101.7 | 56.8 | 6.3 | 94.6 | 63.7 | 5.2 | 88 | 72.1 | 4.3 |
| | SSC 110 W | 123.15 | 68.45 | 6.3 | 114.55 | 76.75 | 5.25 | 106.55 | 86.9 | 4.3 |
| | SSC 130 W | 144.6 | 80.1 | 6.3 | 134.5 | 89.8 | 5.3 | 125.1 | 101.7 | 4.3 |
| 48 [8.8] | SSC 025 W | 30.4 | 17.4 | 6.1 | 28.3 | 19.5 | 5.1 | 26.3 | 22.1 | 4.2 |
| | SSC 040 W | 44.6 | 25.1 | 6.2 | 41.5 | 28.1 | 5.2 | 38.6 | 31.9 | 4.3 |
| | SSC 065 W | 72.7 | 39.4 | 6.5 | 67.6 | 44.2 | 5.4 | 62.9 | 50 | 4.4 |
| | SSC 090 W | 105.7 | 57 | 6.5 | 98.3 | 63.9 | 5.4 | 91.5 | 72.3 | 4.4 |
| | SSC 110 W | 128.05 | 68.7 | 6.55 | 119.05 | 77 | 5.45 | 110.75 | 87.15 | 4.45 |
| | SSC 130 W | 150.4 | 80.4 | 6.6 | 139.8 | 90.1 | 5.5 | 130 | 102 | 4.5 |
| 50 [10] | SSC 025 W | 31.6 | 17.6 | 6.3 | 29.4 | 19.7 | 5.2 | 27.3 | 22.4 | 4.3 |
| | SSC 040 W | 46.4 | 25.4 | 6.4 | 43.1 | 28.4 | 5.3 | 40.1 | 32.2 | 4.4 |
| | SSC 065 W | 75.6 | 39.8 | 6.7 | 70.3 | 44.6 | 5.5 | 65.4 | 50.5 | 4.5 |
| | SSC 090 W | 109.9 | 57.6 | 6.7 | 102.2 | 64.5 | 5.6 | 95.1 | 73.1 | 4.6 |
| | SSC 110 W | 133.1 | 69.4 | 6.75 | 123.8 | 77.75 | 5.6 | 115.15 | 88.1 | 4.6 |
| | SSC 130 W | 156.3 | 81.2 | 6.8 | 145.4 | 91 | 5.6 | 135.2 | 103.1 | 4.6 |

1- EER - Energy Efficiency Ratio (kW/kW)

جدول شماره (۴) Table No. 4

۱- نسبت بازده انرژی EER (kW/kW)

2 - In calculating the EER, the electrical power of compressor and control system has been considered

۲- در محاسبه بازده انرژی (EER) حداکثر توان الکتریکی کمپرسور و سیستم کنترل

لحاظ گردیده.



جدول تغییر ظرفیت چیلرهای اسکرو آب خنک سری SSC - W

Table for change of capacity of water Cooled chillers SSC-W

| Evaporator Leaving Water Temp. °F [°C] | Unit Model | Condenser Entering Water Temp. °F [°C] | | | | | | | | |
|--|------------|--|------------------|-------------|-----------------------|------------------|-------------|-----------------------|------------------|-------------|
| | | 75 [24] | | | 85 [30] | | | 95 [35] | | |
| | | Cooling Capacity [RT] | Input Power [kW] | EER [kW/kW] | Cooling Capacity [RT] | Input Power [kW] | EER [kW/kW] | Cooling Capacity [RT] | Input Power [kW] | EER [kW/kW] |
| 42 [5.5] | SSC 160 W | 164.11 | 99.66 | 5.79 | 150.21 | 112.85 | 4.68 | 141.13 | 123.44 | 4.02 |
| | SSC 190 W | 193.62 | 116.43 | 5.85 | 180.95 | 129.49 | 4.91 | 169.11 | 144.01 | 4.13 |
| | SSC 230 W | 234.38 | 145.54 | 5.66 | 219.05 | 161.86 | 4.76 | 204.72 | 180.01 | 4.00 |
| | SSC 270 W | 275.14 | 176.41 | 5.48 | 257.14 | 196.19 | 4.61 | 240.32 | 218.19 | 3.87 |
| | SSC 350 W | 350.55 | 220.51 | 5.59 | 327.62 | 245.24 | 4.70 | 306.19 | 272.74 | 3.95 |
| | SSC 380 W | 385.20 | 232.86 | 5.82 | 360.00 | 258.97 | 4.89 | 336.45 | 288.01 | 4.11 |
| 44 [6.6] | SSC 160 W | 172.9 | 103.03 | 5.9 | 160.00 | 117.00 | 4.81 | 148.61 | 127.18 | 4.1 |
| | SSC 190 W | 203.30 | 118.69 | 6.02 | 190.00 | 132.00 | 5.06 | 177.57 | 146.80 | 4.25 |
| | SSC 230 W | 246.10 | 148.36 | 5.83 | 230.00 | 165.00 | 4.90 | 214.95 | 183.50 | 4.12 |
| | SSC 270 W | 288.90 | 179.83 | 5.65 | 270.00 | 200.00 | 4.75 | 252.34 | 222.43 | 3.99 |
| | SSC 350 W | 368.08 | 224.79 | 5.76 | 344.00 | 250.00 | 4.84 | 321.50 | 278.04 | 4.07 |
| | SSC 380 W | 404.46 | 237.38 | 5.99 | 378.00 | 264.00 | 5.03 | 353.27 | 293.61 | 4.23 |
| 46 [7.7] | SSC 160 W | 184.03 | 105.55 | 6.13 | 170.22 | 116.21 | 5.15 | 166.91 | 136.80 | 4.29 |
| | SSC 190 W | 213.47 | 120.99 | 6.20 | 199.50 | 134.56 | 5.21 | 186.45 | 149.65 | 4.38 |
| | SSC 230 W | 258.41 | 151.24 | 6.01 | 241.50 | 168.20 | 5.05 | 225.70 | 187.07 | 4.24 |
| | SSC 270 W | 303.35 | 183.32 | 5.82 | 283.50 | 203.88 | 4.89 | 264.95 | 226.75 | 4.11 |
| | SSC 350 W | 386.48 | 229.15 | 5.93 | 361.20 | 254.85 | 4.98 | 337.57 | 283.44 | 4.19 |
| | SSC 380 W | 424.68 | 241.99 | 6.17 | 396.90 | 269.13 | 5.19 | 370.93 | 299.31 | 4.36 |
| 48 [8.8] | SSC 160 W | 192.91 | 108.87 | 6.23 | 180.01 | 120.56 | 5.25 | 176.98 | 141.42 | 4.40 |
| | SSC 190 W | 222.00 | 122.17 | 6.39 | 207.48 | 135.87 | 5.37 | 193.91 | 151.11 | 4.51 |
| | SSC 230 W | 268.74 | 152.71 | 6.19 | 251.16 | 169.84 | 5.20 | 234.73 | 188.88 | 4.37 |
| | SSC 270 W | 315.48 | 185.10 | 5.99 | 294.84 | 205.86 | 5.04 | 275.55 | 228.95 | 4.23 |
| | SSC 350 W | 401.94 | 231.38 | 6.11 | 375.65 | 257.33 | 5.13 | 351.07 | 286.19 | 4.31 |
| | SSC 380 W | 441.67 | 244.34 | 6.36 | 412.78 | 271.74 | 5.34 | 385.77 | 302.21 | 4.49 |
| 50 [10] | SSC 160 W | 200.14 | 108.99 | 6.46 | 189.68 | 122.59 | 5.44 | 179.61 | 137.58 | 4.59 |
| | SSC 190 W | 230.88 | 123.35 | 6.58 | 215.78 | 137.19 | 5.53 | 201.66 | 152.57 | 4.65 |
| | SSC 230 W | 279.49 | 154.19 | 6.37 | 261.21 | 171.49 | 5.36 | 244.12 | 190.72 | 4.50 |
| | SSC 270 W | 328.10 | 186.90 | 6.17 | 306.63 | 207.86 | 5.19 | 286.57 | 231.17 | 4.36 |
| | SSC 350 W | 418.02 | 233.63 | 6.29 | 390.67 | 259.83 | 5.29 | 365.12 | 288.97 | 4.44 |
| | SSC 380 W | 459.34 | 246.71 | 6.55 | 429.29 | 274.38 | 5.50 | 401.20 | 305.15 | 4.62 |

جدول شماره (۴) Table No. 4

1- EER - Energy Efficiency Ratio (kW/kW)

2 - In calculating the EER, the electrical power of compressor and control system has been considered

۱- نسبت بازده انرژی (EER) (kW/kW)

۲- در محاسبه بازده انرژی (EER) حداکثر توان الکتریکی کمپرسور و سیستم کنترل لحاظ گردیده.