

## 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 4 (۴) Table No. 4

۱ - نسبت بازده انرژی (kW/kW) EER

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

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