

MODEL SDR-WC SIZES 4,5,6

| AIRFLOW | | | WATER FLOW | | | LAT (°F) | | LWT (°F) | | CAPACITY (MBH) | |
|------------|------------------|------|------------|--------------------|-------|----------|-------|----------|-------|----------------|-------|
| Rate (CFM) | Air PD (IN.W.G.) | | Rate (GPM) | Water PD (FT.W.G.) | | 1 Row | 2 Row | 1 Row | 2 Row | 1 Row | 2 Row |
| | | | | 1 Row | 2 Row | | | | | | |
| 50 | 1 Row | 0.01 | 0.5 | 0.3 | 0.1 | 123.7 | 149.3 | 164.7 | 159.1 | 3.7 | 5.1 |
| | | | 1.0 | 1.0 | 0.3 | 128.4 | 155.8 | 171.8 | 168.8 | 4.0 | 5.5 |
| | 2 Row | 0.01 | 2.0 | 3.4 | 0.9 | 131.2 | 159.3 | 175.8 | 174.2 | 4.1 | 5.7 |
| | | | 4.0 | 12.2 | 3.4 | 132.7 | 161.2 | 177.8 | 177.0 | 4.2 | 5.8 |
| 100 | 1 Row | 0.01 | 0.5 | 0.3 | 0.1 | 105.7 | 127.4 | 157.5 | 147.9 | 5.5 | 7.8 |
| | | | 1.0 | 1.0 | 0.3 | 111.2 | 137.0 | 167.5 | 161.8 | 6.1 | 8.9 |
| | 2 Row | 0.02 | 2.0 | 3.4 | 1.0 | 114.6 | 142.8 | 173.4 | 170.2 | 6.5 | 9.5 |
| | | | 4.0 | 12.2 | 3.4 | 116.5 | 146.2 | 176.6 | 174.9 | 6.7 | 9.9 |
| 150 | 1 Row | 0.02 | 0.5 | 0.3 | 0.1 | 96.0 | 114.0 | 152.7 | 140.8 | 6.7 | 9.6 |
| | | | 1.0 | 1.0 | 0.3 | 101.7 | 124.7 | 164.4 | 156.8 | 7.6 | 11.3 |
| | 2 Row | 0.03 | 2.0 | 3.4 | 1.0 | 105.3 | 131.7 | 171.6 | 167.2 | 8.2 | 12.5 |
| | | | 4.0 | 12.2 | 3.4 | 107.5 | 135.8 | 175.6 | 173.3 | 8.5 | 13.1 |
| 200 | 1 Row | 0.03 | 0.5 | 0.3 | 0.1 | 89.8 | 104.9 | 149.1 | 135.8 | 7.5 | 10.8 |
| | | | 1.0 | 1.0 | 0.3 | 95.4 | 115.9 | 162.0 | 153.0 | 8.8 | 13.2 |
| | 2 Row | 0.06 | 2.0 | 3.4 | 1.0 | 99.1 | 123.5 | 170.2 | 164.8 | 9.6 | 14.8 |
| | | | 4.0 | 12.2 | 3.4 | 101.4 | 128.1 | 174.8 | 171.9 | 10.0 | 15.8 |
| 250 | 1 Row | 0.04 | 0.5 | 0.3 | 0.1 | 85.4 | 98.4 | 146.3 | 132.0 | 8.2 | 11.8 |
| | | | 1.0 | 1.0 | 0.3 | 90.9 | 109.3 | 160.1 | 149.9 | 9.7 | 14.7 |
| | 2 Row | 0.08 | 2.0 | 3.4 | 1.0 | 94.6 | 117.1 | 169.0 | 162.7 | 10.7 | 16.8 |
| | | | 4.0 | 12.2 | 3.4 | 96.9 | 122.1 | 174.2 | 170.7 | 11.3 | 18.2 |
| 300 | 1 Row | 0.06 | 0.5 | 0.3 | 0.1 | 82.1 | 93.4 | 144.0 | 129.0 | 8.8 | 12.5 |
| | | | 1.0 | 1.0 | 0.3 | 87.4 | 104.1 | 158.4 | 147.3 | 10.5 | 16.0 |
| | 2 Row | 0.12 | 2.0 | 3.4 | 1.0 | 91.1 | 112.0 | 167.9 | 161.0 | 11.7 | 18.5 |
| | | | 4.0 | 12.2 | 3.4 | 93.4 | 117.2 | 173.6 | 169.6 | 12.5 | 20.2 |
| 350 | 1 Row | 0.08 | 0.5 | 0.3 | 0.1 | 79.5 | 89.5 | 142.1 | 126.6 | 9.3 | 13.1 |
| | | | 1.0 | 1.0 | 0.3 | 84.6 | 99.9 | 157.0 | 145.2 | 11.2 | 17.0 |
| | 2 Row | 0.15 | 2.0 | 3.4 | 1.0 | 88.3 | 107.8 | 167.0 | 159.5 | 12.6 | 20.0 |
| | | | 4.0 | 12.2 | 3.4 | 90.6 | 113.1 | 173.1 | 168.7 | 13.5 | 22.0 |
| 400 | 1 Row | 0.10 | 0.5 | 0.3 | 0.1 | 77.4 | 86.4 | 140.4 | 124.6 | 9.7 | 13.6 |
| | | | 1.0 | 1.0 | 0.3 | 82.4 | 96.4 | 155.7 | 143.3 | 11.9 | 17.9 |
| | 2 Row | 0.19 | 2.0 | 3.4 | 1.0 | 86.0 | 104.3 | 166.2 | 158.1 | 13.4 | 21.4 |
| | | | 4.0 | 12.2 | 3.4 | 88.3 | 109.6 | 172.6 | 167.8 | 14.4 | 23.7 |

MODEL SDR-WC SIZE 8

| AIRFLOW | | | WATER FLOW | | | LAT (°F) | | LWT (°F) | | CAPACITY (MBH) | |
|------------|------------------|------|------------|--------------------|-------|----------|-------|----------|-------|----------------|-------|
| Rate (CFM) | Air PD (IN.W.G.) | | Rate (GPM) | Water PD (FT.W.G.) | | 1 Row | 2 Row | 1 Row | 2 Row | 1 Row | 2 Row |
| | | | | 1 Row | 2 Row | | | | | | |
| 175 | 1 Row | 0.02 | 0.5 | 0.3 | 0.1 | 95.7 | 113.1 | 148.4 | 135.0 | 7.7 | 11.0 |
| | | | 1.0 | 1.0 | 0.3 | 101.7 | 124.5 | 161.8 | 153.0 | 8.9 | 13.2 |
| | 2 Row | 0.03 | 2.0 | 3.5 | 1.0 | 105.6 | 131.9 | 170.1 | 165.0 | 9.6 | 14.6 |
| | | | 4.0 | 12.7 | 3.5 | 107.9 | 136.2 | 174.8 | 172.1 | 10.0 | 15.4 |
| 250 | 1 Row | 0.03 | 0.5 | 0.3 | 0.1 | 88.0 | 101.9 | 143.4 | 128.2 | 8.9 | 12.7 |
| | | | 1.0 | 1.0 | 0.3 | 94.0 | 113.5 | 158.4 | 147.6 | 10.6 | 15.8 |
| | 2 Row | 0.06 | 2.0 | 3.6 | 1.0 | 97.9 | 121.6 | 168.1 | 161.5 | 11.6 | 18.0 |
| | | | 4.0 | 12.7 | 3.5 | 100.4 | 126.6 | 173.7 | 170.0 | 12.3 | 19.4 |
| 325 | 1 Row | 0.05 | 0.5 | 0.3 | 0.1 | 83.0 | 94.4 | 139.7 | 123.5 | 9.9 | 13.9 |
| | | | 1.0 | 1.0 | 0.3 | 88.7 | 105.7 | 155.7 | 143.5 | 11.9 | 17.9 |
| | 2 Row | 0.10 | 2.0 | 3.6 | 1.0 | 92.7 | 114.1 | 166.4 | 158.7 | 13.2 | 20.8 |
| | | | 4.0 | 12.7 | 3.6 | 95.2 | 119.5 | 172.7 | 168.3 | 14.1 | 22.7 |
| 400 | 1 Row | 0.07 | 0.5 | 0.3 | 0.1 | 79.4 | 89.0 | 136.8 | 119.9 | 10.6 | 14.7 |
| | | | 1.0 | 1.0 | 0.3 | 84.9 | 99.9 | 153.4 | 140.2 | 13.0 | 19.5 |
| | 2 Row | 0.14 | 2.0 | 3.6 | 1.0 | 88.8 | 108.3 | 165.0 | 156.3 | 14.7 | 23.1 |
| | | | 4.0 | 12.7 | 3.6 | 91.3 | 113.9 | 171.9 | 166.9 | 15.7 | 25.5 |
| 475 | 1 Row | 0.09 | 0.5 | 0.3 | 0.1 | 76.7 | 85.0 | 134.4 | 117.1 | 11.2 | 15.4 |
| | | | 1.0 | 1.0 | 0.3 | 82.0 | 95.4 | 151.6 | 137.6 | 13.9 | 20.8 |
| | 2 Row | 0.19 | 2.0 | 3.6 | 1.0 | 85.8 | 103.7 | 163.7 | 154.3 | 15.9 | 25.1 |
| | | | 4.0 | 12.7 | 3.6 | 88.3 | 109.4 | 171.2 | 165.6 | 17.1 | 28.0 |
| 550 | 1 Row | 0.12 | 0.5 | 0.3 | 0.1 | 74.6 | 81.9 | 132.4 | 114.9 | 11.7 | 16.0 |
| | | | 1.0 | 1.0 | 0.3 | 79.6 | 91.7 | 149.9 | 135.3 | 14.7 | 21.9 |
| | 2 Row | 0.25 | 2.0 | 3.6 | 1.0 | 83.4 | 100.0 | 162.6 | 152.6 | 16.9 | 26.8 |
| | | | 4.0 | 12.7 | 3.6 | 85.8 | 105.7 | 170.6 | 164.5 | 18.4 | 30.2 |
| 625 | 1 Row | 0.15 | 0.5 | 0.3 | 0.1 | 72.9 | 79.3 | 130.6 | 113.0 | 12.1 | 16.5 |
| | | | 1.0 | 1.0 | 0.3 | 77.7 | 88.7 | 148.5 | 133.4 | 15.4 | 22.8 |
| | 2 Row | 0.31 | 2.0 | 3.6 | 1.0 | 81.4 | 96.8 | 161.7 | 151.0 | 17.9 | 28.3 |
| | | | 4.0 | 12.7 | 3.6 | 83.8 | 102.5 | 170.0 | 163.5 | 19.5 | 32.2 |
| 700 | 1 Row | 0.19 | 0.5 | 0.3 | 0.1 | 71.4 | 77.2 | 129.1 | 111.4 | 12.5 | 16.9 |
| | | | 1.0 | 1.0 | 0.3 | 76.1 | 86.2 | 147.3 | 131.7 | 16.0 | 23.7 |
| | 2 Row | 0.38 | 2.0 | 3.6 | 1.0 | 79.7 | 94.1 | 160.8 | 149.7 | 18.7 | 29.6 |
| | | | 4.0 | 12.7 | 3.6 | 82.1 | 99.8 | 169.5 | 162.6 | 20.5 | 34.0 |

For the tables above, all data is based on 180° F entering water, 55° entering air, at an altitude of 0 feet above sea level. See hot water coil correction factors table (see drawing 01-80063) if entering water or air temperatures vary from these.



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TITLE: **MODEL SDR-WC**
HOT WATER COIL PERFORMANCE DATA

| | | | |
|---------|-------------|------------|-----|
| DATE | SHEET | DRAWING NO | REV |
| 6/13/05 | PAGE 1 OF 4 | 01-80064 | 00 |

MODEL SDR-WC SIZE 10

| AIRFLOW | | | WATER FLOW | | | LAT (°F) | | LWT (°F) | | CAPACITY (MBH) | |
|------------|------------------|--------------|------------|--------------------|-------|----------|-------|----------|-------|----------------|-------|
| Rate (CFM) | Air PD (IN.W.G.) | | Rate (GPM) | Water PD (FT.W.G.) | | 1 Row | 2 Row | 1 Row | 2 Row | 1 Row | 2 Row |
| | | | | 1 Row | 2 Row | | | | | | |
| 300 | 1 Row 2 Row | 0.02 0.04 | 0.5 | 0.3 | 0.1 | 89.6 | 103.0 | 134.1 | 116.4 | 11.2 | 15.6 |
| | | | 1.0 | 1.2 | 0.3 | 96.5 | 116.2 | 152.4 | 139.4 | 13.5 | 19.9 |
| | | | 2.0 | 4.2 | 1.2 | 101.1 | 125.3 | 164.6 | 156.6 | 15.0 | 22.9 |
| | | | 4.0 | 14.9 | 4.2 | 103.9 | 130.9 | 171.8 | 167.3 | 15.9 | 24.7 |
| 400 | 1 Row 2 Row | 0.04 0.07 | 0.5 | 0.3 | 0.1 | 83.8 | 94.5 | 129.1 | 110.4 | 12.5 | 17.1 |
| | | | 1.0 | 1.2 | 0.3 | 90.4 | 107.3 | 148.6 | 133.7 | 15.4 | 22.7 |
| | | | 2.0 | 4.2 | 1.2 | 95.1 | 116.9 | 162.2 | 152.5 | 17.4 | 26.8 |
| | | | 4.0 | 14.9 | 4.2 | 98.0 | 123.0 | 170.4 | 164.9 | 18.6 | 29.5 |
| 500 | 1 Row 2 Row | 0.05 0.11 | 0.5 | 0.3 | 0.1 | 79.8 | 88.6 | 125.2 | 106.0 | 13.4 | 18.2 |
| | | | 1.0 | 1.2 | 0.3 | 86.1 | 100.8 | 145.5 | 129.4 | 16.9 | 24.8 |
| | | | 2.0 | 4.2 | 1.2 | 90.7 | 110.5 | 160.2 | 149.3 | 19.3 | 30.0 |
| | | | 4.0 | 14.9 | 4.2 | 93.6 | 116.9 | 169.3 | 162.8 | 20.9 | 33.5 |
| 600 | 1 Row 2 Row | 0.07 0.15 | 0.5 | 0.3 | 0.1 | 76.8 | 84.2 | 122.2 | 102.8 | 14.2 | 19.0 |
| | | | 1.0 | 1.2 | 0.3 | 82.9 | 95.8 | 143.0 | 125.9 | 18.1 | 26.5 |
| | | | 2.0 | 4.2 | 1.2 | 87.4 | 105.4 | 158.4 | 146.5 | 21.0 | 32.7 |
| | | | 4.0 | 14.9 | 4.2 | 90.3 | 111.9 | 168.2 | 161.0 | 22.9 | 37.0 |
| 700 | 1 Row 2 Row | 0.10 0.19 | 0.5 | 0.3 | 0.1 | 74.5 | 80.9 | 119.7 | 100.2 | 14.8 | 19.6 |
| | | | 1.0 | 1.2 | 0.3 | 80.3 | 91.8 | 140.8 | 123.1 | 19.2 | 27.9 |
| | | | 2.0 | 4.2 | 1.2 | 84.7 | 101.2 | 156.9 | 144.1 | 22.5 | 35.1 |
| | | | 4.0 | 15.0 | 4.2 | 87.6 | 107.9 | 167.3 | 159.4 | 24.7 | 40.1 |
| 800 | 1 Row 2 Row | 0.12 0.25 | 0.5 | 0.3 | 0.1 | 72.7 | 78.3 | 117.6 | 98.1 | 15.3 | 20.2 |
| | | | 1.0 | 1.2 | 0.3 | 78.2 | 88.6 | 138.9 | 120.7 | 20.1 | 29.1 |
| | | | 2.0 | 4.2 | 1.2 | 82.5 | 97.8 | 155.6 | 142.1 | 23.8 | 37.1 |
| | | | 4.0 | 15.0 | 4.2 | 85.3 | 104.4 | 166.5 | 158.0 | 26.3 | 42.8 |
| 900 | 1 Row 2 Row | 0.15 0.30 | 0.5 | 0.3 | 0.1 | 71.2 | 76.1 | 115.7 | 96.4 | 15.8 | 20.6 |
| | | | 1.0 | 1.2 | 0.3 | 76.5 | 85.9 | 137.3 | 118.6 | 20.9 | 30.1 |
| | | | 2.0 | 4.2 | 1.2 | 80.6 | 94.9 | 154.4 | 140.3 | 25.0 | 38.9 |
| | | | 4.0 | 15.0 | 4.2 | 83.4 | 101.5 | 165.8 | 156.8 | 27.7 | 45.3 |
| 1000 | 1 Row 2 Row | 0.18 0.37 | 0.5 | 0.3 | 0.1 | 69.9 | 74.4 | 114.2 | 94.9 | 16.2 | 21.0 |
| | | | 1.0 | 1.2 | 0.3 | 75.0 | 83.6 | 135.8 | 116.8 | 21.6 | 31.0 |
| | | | 2.0 | 4.2 | 1.2 | 79.1 | 92.4 | 153.3 | 138.7 | 26.1 | 40.5 |
| | | | 4.0 | 15.0 | 4.2 | 81.8 | 98.9 | 165.1 | 155.6 | 29.1 | 47.6 |

MODEL SDR-WC SIZE 12

| AIRFLOW | | | WATER FLOW | | | LAT (°F) | | LWT (°F) | | CAPACITY (MBH) | |
|------------|------------------|--------------|------------|--------------------|-------|----------|-------|----------|-------|----------------|-------|
| Rate (CFM) | Air PD (IN.W.G.) | | Rate (GPM) | Water PD (FT.W.G.) | | 1 Row | 2 Row | 1 Row | 2 Row | 1 Row | 2 Row |
| | | | | 1 Row | 2 Row | | | | | | |
| 400 | 1 Row 2 Row | 0.02 0.04 | 0.5 | 0.4 | 0.1 | 87.5 | 98.9 | 122.5 | 102.7 | 14.1 | 19.0 |
| | | | 1.0 | 1.4 | 0.4 | 95.3 | 113.5 | 144.3 | 128.3 | 17.4 | 25.3 |
| | | | 2.0 | 4.9 | 1.4 | 100.6 | 124.0 | 159.7 | 149.4 | 19.8 | 29.9 |
| | | | 4.0 | 17.4 | 4.9 | 103.9 | 130.5 | 169.1 | 163.2 | 21.2 | 32.7 |
| 550 | 1 Row 2 Row | 0.04 0.07 | 0.5 | 0.4 | 0.1 | 81.3 | 89.8 | 116.2 | 95.8 | 15.7 | 20.7 |
| | | | 1.0 | 1.4 | 0.4 | 88.6 | 103.5 | 139.1 | 121.1 | 20.0 | 28.9 |
| | | | 2.0 | 4.9 | 1.4 | 93.9 | 114.5 | 156.2 | 143.8 | 23.2 | 35.4 |
| | | | 4.0 | 17.4 | 4.9 | 97.3 | 121.6 | 167.1 | 159.7 | 25.2 | 39.7 |
| 700 | 1 Row 2 Row | 0.05 0.11 | 0.5 | 0.4 | 0.1 | 77.1 | 83.8 | 111.7 | 91.3 | 16.8 | 21.9 |
| | | | 1.0 | 1.4 | 0.4 | 84.0 | 96.6 | 135.1 | 115.8 | 22.0 | 31.5 |
| | | | 2.0 | 5.0 | 1.4 | 89.2 | 107.4 | 153.4 | 139.4 | 25.9 | 39.7 |
| | | | 4.0 | 17.4 | 4.9 | 92.6 | 114.9 | 165.4 | 156.7 | 28.5 | 45.4 |
| 850 | 1 Row 2 Row | 0.08 0.16 | 0.5 | 0.4 | 0.1 | 74.2 | 79.6 | 108.2 | 88.1 | 17.7 | 22.7 |
| | | | 1.0 | 1.4 | 0.4 | 80.6 | 91.4 | 131.8 | 111.8 | 23.6 | 33.5 |
| | | | 2.0 | 5.0 | 1.4 | 85.7 | 102.0 | 151.1 | 135.8 | 28.3 | 43.3 |
| | | | 4.0 | 17.5 | 5.0 | 89.0 | 109.6 | 163.9 | 154.3 | 31.3 | 50.3 |
| 1000 | 1 Row 2 Row | 0.10 0.21 | 0.5 | 0.4 | 0.1 | 71.9 | 76.5 | 105.4 | 85.6 | 18.4 | 23.3 |
| | | | 1.0 | 1.4 | 0.4 | 78.0 | 87.4 | 129.1 | 108.6 | 24.9 | 35.1 |
| | | | 2.0 | 5.0 | 1.4 | 82.9 | 97.7 | 149.0 | 132.8 | 30.2 | 46.2 |
| | | | 4.0 | 17.5 | 5.0 | 86.2 | 105.3 | 162.6 | 152.1 | 33.8 | 54.5 |
| 1150 | 1 Row 2 Row | 0.13 0.27 | 0.5 | 0.4 | 0.1 | 70.2 | 74.1 | 103.1 | 83.7 | 18.9 | 23.8 |
| | | | 1.0 | 1.4 | 0.4 | 75.9 | 84.3 | 126.8 | 105.9 | 26.1 | 36.4 |
| | | | 2.0 | 5.0 | 1.4 | 80.7 | 94.2 | 147.3 | 130.2 | 32.0 | 48.8 |
| | | | 4.0 | 17.5 | 5.0 | 83.9 | 101.7 | 161.5 | 150.2 | 36.1 | 58.2 |
| 1300 | 1 Row 2 Row | 0.17 0.33 | 0.5 | 0.4 | 0.1 | 68.8 | 72.2 | 101.1 | 82.1 | 19.4 | 24.2 |
| | | | 1.0 | 1.4 | 0.4 | 74.2 | 81.7 | 124.8 | 103.7 | 27.1 | 37.5 |
| | | | 2.0 | 5.0 | 1.4 | 78.8 | 91.2 | 145.7 | 128.0 | 33.5 | 51.0 |
| | | | 4.0 | 17.5 | 5.0 | 82.0 | 98.7 | 160.5 | 148.5 | 38.1 | 61.5 |
| 1450 | 1 Row 2 Row | 0.20 0.40 | 0.5 | 0.4 | 0.1 | 67.6 | 70.6 | 99.5 | 80.8 | 19.8 | 24.5 |
| | | | 1.0 | 1.4 | 0.4 | 72.8 | 79.5 | 123.1 | 101.8 | 27.9 | 38.5 |
| | | | 2.0 | 5.0 | 1.4 | 77.2 | 88.7 | 144.3 | 126.1 | 34.9 | 52.9 |
| | | | 4.0 | 17.5 | 5.0 | 80.4 | 96.1 | 159.6 | 147.0 | 39.9 | 64.5 |

For the tables above, all data is based on 180° F entering water, 55° entering air, at an altitude of 0 feet above sea level. See hot water coil correction factors table (see drawing 01-80063) if entering water or air temperatures vary from these.



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| | | | | |
|--|-------------|------------|--|-----|
| TITLE: MODEL SDR-WC | | DRAWING NO | | REV |
| HOT WATER COIL PERFORMANCE DATA | | 01-80064 | | 00 |
| DATE | SHEET | DRAWING NO | | REV |
| 6/13/05 | PAGE 2 OF 4 | 01-80064 | | 00 |

MODEL SDR-WC SIZE 14

| AIRFLOW | | | WATER FLOW | | | LAT (°F) | | LWT (°F) | | CAPACITY (MBH) | |
|------------|------------------|------|------------|--------------------|-------|----------|-------|----------|-------|----------------|-------|
| Rate (CFM) | Air PD (IN.W.G.) | | Rate (GPM) | Water PD (FT.W.G.) | | 1 Row | 2 Row | 1 Row | 2 Row | 1 Row | 2 Row |
| | | | | 1 Row | 2 Row | | | | | | |
| 700 | 1 Row | 0.03 | 0.5 | 0.5 | 0.1 | 80.2 | 87.0 | 102.4 | 81.8 | 19.1 | 24.2 |
| | | | 1.0 | 1.7 | 0.5 | 88.6 | 102.1 | 128.1 | 107.4 | 25.5 | 35.7 |
| | 2 Row | 0.06 | 2.0 | 6.0 | 1.7 | 94.9 | 114.8 | 149.0 | 133.7 | 30.3 | 45.4 |
| | | | 4.0 | 21.0 | 6.0 | 99.1 | 123.3 | 162.9 | 153.5 | 33.4 | 51.8 |
| 900 | 1 Row | 0.04 | 0.5 | 0.5 | 0.1 | 75.9 | 81.0 | 97.3 | 77.5 | 20.4 | 25.3 |
| | | | 1.0 | 1.7 | 0.5 | 83.7 | 94.7 | 123.1 | 101.4 | 27.9 | 38.7 |
| | 2 Row | 0.09 | 2.0 | 6.0 | 1.7 | 89.9 | 107.2 | 145.2 | 128.1 | 34.0 | 50.9 |
| | | | 4.0 | 21.1 | 6.0 | 94.0 | 116.1 | 160.5 | 149.5 | 38.0 | 59.6 |
| 1100 | 1 Row | 0.06 | 0.5 | 0.5 | 0.1 | 72.9 | 76.9 | 93.5 | 74.6 | 21.3 | 26.0 |
| | | | 1.0 | 1.7 | 0.5 | 80.1 | 89.3 | 119.1 | 97.0 | 29.9 | 40.9 |
| | 2 Row | 0.13 | 2.0 | 6.1 | 1.7 | 86.1 | 101.4 | 142.1 | 123.6 | 37.0 | 55.3 |
| | | | 4.0 | 21.1 | 6.0 | 90.2 | 110.5 | 158.5 | 146.2 | 41.9 | 66.1 |
| 1300 | 1 Row | 0.08 | 0.5 | 0.5 | 0.1 | 70.6 | 73.9 | 90.6 | 72.5 | 22.0 | 26.6 |
| | | | 1.0 | 1.8 | 0.5 | 77.4 | 85.3 | 115.8 | 93.6 | 31.5 | 42.6 |
| | 2 Row | 0.17 | 2.0 | 6.1 | 1.7 | 83.1 | 96.9 | 139.5 | 120.0 | 39.6 | 58.9 |
| | | | 4.0 | 21.1 | 6.0 | 87.2 | 105.9 | 156.8 | 143.4 | 45.3 | 71.7 |
| 1500 | 1 Row | 0.11 | 0.5 | 0.5 | 0.1 | 68.9 | 71.6 | 88.3 | 70.9 | 22.6 | 27.0 |
| | | | 1.0 | 1.8 | 0.5 | 75.2 | 82.1 | 113.1 | 90.8 | 32.9 | 44.0 |
| | 2 Row | 0.22 | 2.0 | 6.1 | 1.8 | 80.8 | 93.2 | 137.2 | 116.9 | 41.9 | 62.0 |
| | | | 4.0 | 21.2 | 6.1 | 84.7 | 102.1 | 155.2 | 140.9 | 48.3 | 76.5 |
| 1700 | 1 Row | 0.14 | 0.5 | 0.5 | 0.1 | 67.5 | 69.8 | 86.3 | 69.6 | 23.1 | 27.3 |
| | | | 1.0 | 1.8 | 0.5 | 73.5 | 79.5 | 110.8 | 88.6 | 34.0 | 45.1 |
| | 2 Row | 0.27 | 2.0 | 6.1 | 1.8 | 78.8 | 90.1 | 135.2 | 114.3 | 43.9 | 64.6 |
| | | | 4.0 | 21.2 | 6.1 | 82.7 | 98.9 | 153.9 | 138.7 | 51.0 | 80.8 |
| 1900 | 1 Row | 0.17 | 0.5 | 0.5 | 0.1 | 66.4 | 68.4 | 84.7 | 68.6 | 23.5 | 27.5 |
| | | | 1.0 | 1.8 | 0.5 | 72.0 | 77.4 | 108.8 | 86.7 | 35.0 | 46.0 |
| | 2 Row | 0.33 | 2.0 | 6.1 | 1.8 | 77.2 | 87.5 | 133.4 | 112.0 | 45.6 | 66.9 |
| | | | 4.0 | 21.2 | 6.1 | 81.0 | 96.1 | 152.6 | 136.8 | 53.5 | 84.7 |
| 2100 | 1 Row | 0.20 | 0.5 | 0.5 | 0.1 | 65.5 | 67.2 | 83.3 | 67.8 | 23.9 | 27.8 |
| | | | 1.0 | 1.8 | 0.5 | 70.8 | 75.6 | 107.0 | 85.1 | 35.9 | 46.8 |
| | 2 Row | 0.40 | 2.0 | 6.1 | 1.8 | 75.8 | 85.3 | 131.8 | 110.0 | 47.2 | 68.8 |
| | | | 4.0 | 21.2 | 6.1 | 79.5 | 93.7 | 151.5 | 135.0 | 55.7 | 88.1 |

MODEL SDR-WC SIZE 16

| AIRFLOW | | | WATER FLOW | | | LAT (°F) | | LWT (°F) | | CAPACITY (MBH) | |
|------------|------------------|------|------------|--------------------|-------|----------|-------|----------|-------|----------------|-------|
| Rate (CFM) | Air PD (IN.W.G.) | | Rate (GPM) | Water PD (FT.W.G.) | | 1 Row | 2 Row | 1 Row | 2 Row | 1 Row | 2 Row |
| | | | | 1 Row | 2 Row | | | | | | |
| 1600 | 1 Row | 0.09 | 0.5 | 0.6 | 0.1 | 68.9 | 71.2 | 82.5 | 66.6 | 24.1 | 28.1 |
| | | | 1.0 | 1.9 | 0.6 | 75.6 | 82.1 | 107.4 | 85.0 | 35.7 | 46.9 |
| | 2 Row | 0.18 | 2.0 | 6.6 | 1.9 | 81.7 | 94.0 | 132.8 | 111.3 | 46.3 | 67.5 |
| | | | 4.0 | 22.9 | 6.6 | 86.1 | 103.7 | 152.4 | 136.9 | 53.9 | 84.4 |
| 1800 | 1 Row | 0.11 | 0.5 | 0.6 | 0.1 | 67.6 | 69.5 | 80.7 | 65.5 | 24.5 | 28.3 |
| | | | 1.0 | 1.9 | 0.6 | 73.9 | 79.6 | 105.1 | 82.9 | 36.9 | 47.9 |
| | 2 Row | 0.22 | 2.0 | 6.6 | 1.9 | 79.8 | 91.0 | 130.7 | 108.7 | 48.3 | 70.1 |
| | | | 4.0 | 22.9 | 6.6 | 84.1 | 100.6 | 150.9 | 134.6 | 56.8 | 88.9 |
| 2000 | 1 Row | 0.13 | 0.5 | 0.6 | 0.1 | 66.5 | 68.2 | 79.2 | 64.7 | 24.9 | 28.5 |
| | | | 1.0 | 1.9 | 0.6 | 72.5 | 77.5 | 103.1 | 81.2 | 37.9 | 48.8 |
| | 2 Row | 0.26 | 2.0 | 6.6 | 1.9 | 78.1 | 88.4 | 128.8 | 106.4 | 50.1 | 72.4 |
| | | | 4.0 | 23.0 | 6.6 | 82.4 | 97.9 | 149.6 | 132.6 | 59.4 | 92.9 |
| 2200 | 1 Row | 0.16 | 0.5 | 0.6 | 0.1 | 65.6 | 67.0 | 78.0 | 64.0 | 25.2 | 28.7 |
| | | | 1.0 | 1.9 | 0.6 | 71.3 | 75.8 | 101.3 | 79.7 | 38.7 | 49.5 |
| | 2 Row | 0.31 | 2.0 | 6.6 | 1.9 | 76.7 | 86.2 | 127.2 | 104.4 | 51.8 | 74.4 |
| | | | 4.0 | 23.0 | 6.6 | 80.9 | 95.5 | 148.4 | 130.7 | 61.8 | 96.6 |
| 2400 | 1 Row | 0.18 | 0.5 | 0.6 | 0.1 | 64.8 | 66.1 | 76.8 | 63.4 | 25.5 | 28.8 |
| | | | 1.0 | 1.9 | 0.6 | 70.2 | 74.3 | 99.7 | 78.4 | 39.5 | 50.2 |
| | 2 Row | 0.37 | 2.0 | 6.6 | 1.9 | 75.5 | 84.3 | 125.6 | 102.6 | 53.3 | 76.2 |
| | | | 4.0 | 23.0 | 6.6 | 79.6 | 93.4 | 147.3 | 129.1 | 64.0 | 99.9 |
| 2600 | 1 Row | 0.21 | 0.5 | 0.6 | 0.1 | 64.1 | 65.3 | 75.9 | 62.9 | 25.7 | 29.0 |
| | | | 1.0 | 1.9 | 0.6 | 69.3 | 73.0 | 98.3 | 77.3 | 40.2 | 50.7 |
| | 2 Row | 0.42 | 2.0 | 6.6 | 1.9 | 74.4 | 82.6 | 124.2 | 101.0 | 54.7 | 77.8 |
| | | | 4.0 | 23.0 | 6.6 | 78.4 | 91.5 | 146.2 | 127.5 | 66.0 | 102.9 |
| 2800 | 1 Row | 0.24 | 0.5 | 0.6 | 0.1 | 63.6 | 64.6 | 75.0 | 62.5 | 25.9 | 29.1 |
| | | | 1.0 | 1.9 | 0.6 | 68.5 | 71.9 | 97.0 | 76.3 | 40.9 | 51.2 |
| | 2 Row | 0.48 | 2.0 | 6.7 | 1.9 | 73.5 | 81.1 | 123.0 | 99.6 | 56.0 | 79.2 |
| | | | 4.0 | 23.0 | 6.6 | 77.4 | 89.9 | 145.2 | 126.1 | 67.9 | 105.7 |
| 3000 | 1 Row | 0.27 | 0.5 | 0.6 | 0.1 | 63.0 | 64.0 | 74.2 | 62.1 | 26.1 | 29.2 |
| | | | 1.0 | 1.9 | 0.6 | 67.8 | 70.9 | 95.9 | 75.4 | 41.4 | 51.7 |
| | 2 Row | 0.55 | 2.0 | 6.7 | 1.9 | 72.6 | 79.8 | 121.8 | 98.3 | 57.1 | 80.5 |
| | | | 4.0 | 23.1 | 6.6 | 76.5 | 88.3 | 144.3 | 124.8 | 69.7 | 108.3 |

For the tables above, all data is based on 180° F entering water, 55° entering air, at an altitude of 0 feet above sea level. See hot water coil correction factors table (see drawing 01-80063) if entering water or air temperatures vary from these.



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DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

TITLE: **MODEL SDR-WC**
HOT WATER COIL PERFORMANCE DATA

| | | | |
|---------|-------------|------------|-----|
| DATE | SHEET | DRAWING NO | REV |
| 6/13/05 | PAGE 3 OF 4 | 01-80064 | 00 |

MODEL SDR-WC SIZE 19

| AIRFLOW | | | WATER FLOW | | | LAT (°F) | | LWT (°F) | | CAPACITY (MBH) | |
|------------|------------------|--------------|------------|--------------------|-------|----------|-------|----------|-------|----------------|-------|
| Rate (CFM) | Air PD (IN.W.G.) | | Rate (GPM) | Water PD (FT.W.G.) | | 1 Row | 2 Row | 1 Row | 2 Row | 1 Row | 2 Row |
| | | | | 1 Row | 2 Row | | | | | | |
| 2300 | 1 Row 2 Row | 0.11 0.23 | 0.5 | 0.6 | 0.1 | 65.7 | 66.9 | 72.3 | 60.5 | 26.6 | 29.6 |
| | | | 1.0 | 2.2 | 0.6 | 71.9 | 76.1 | 94.6 | 73.8 | 42.1 | 52.5 |
| | | | 2.0 | 7.4 | 2.2 | 78.1 | 87.5 | 121.5 | 97.9 | 57.4 | 80.9 |
| | | | 4.0 | 25.6 | 7.4 | 82.8 | 97.9 | 144.5 | 125.5 | 69.4 | 106.9 |
| 2600 | 1 Row 2 Row | 0.14 0.28 | 0.5 | 0.6 | 0.1 | 64.6 | 65.6 | 70.8 | 59.9 | 27.0 | 29.7 |
| | | | 1.0 | 2.2 | 0.6 | 70.3 | 73.9 | 92.4 | 72.2 | 43.2 | 53.3 |
| | | | 2.0 | 7.4 | 2.2 | 76.2 | 84.6 | 119.1 | 95.3 | 59.8 | 83.5 |
| | | | 4.0 | 25.7 | 7.4 | 80.9 | 94.8 | 142.7 | 122.9 | 72.9 | 112.0 |
| 2900 | 1 Row 2 Row | 0.17 0.34 | 0.5 | 0.6 | 0.1 | 63.7 | 64.5 | 69.7 | 59.4 | 27.3 | 29.8 |
| | | | 1.0 | 2.2 | 0.6 | 69.1 | 72.2 | 90.4 | 70.8 | 44.2 | 54.0 |
| | | | 2.0 | 7.5 | 2.2 | 74.7 | 82.3 | 117.0 | 93.0 | 61.8 | 85.7 |
| | | | 4.0 | 25.7 | 7.4 | 79.2 | 92.1 | 141.1 | 120.6 | 76.1 | 116.6 |
| 3200 | 1 Row 2 Row | 0.21 0.41 | 0.5 | 0.6 | 0.1 | 62.9 | 63.6 | 68.7 | 59.0 | 27.5 | 29.9 |
| | | | 1.0 | 2.2 | 0.6 | 68.0 | 70.7 | 88.7 | 69.7 | 45.0 | 54.6 |
| | | | 2.0 | 7.5 | 2.2 | 73.4 | 80.3 | 115.2 | 91.1 | 63.7 | 87.6 |
| | | | 4.0 | 25.8 | 7.4 | 77.8 | 89.8 | 139.6 | 118.5 | 79.0 | 120.7 |
| 3500 | 1 Row 2 Row | 0.24 0.48 | 0.5 | 0.6 | 0.1 | 62.3 | 62.9 | 67.8 | 58.7 | 27.7 | 30.0 |
| | | | 1.0 | 2.2 | 0.6 | 67.1 | 69.5 | 87.3 | 68.7 | 45.7 | 55.0 |
| | | | 2.0 | 7.5 | 2.2 | 72.2 | 78.6 | 113.5 | 89.5 | 65.3 | 89.3 |
| | | | 4.0 | 25.8 | 7.5 | 76.6 | 87.8 | 138.3 | 116.7 | 81.7 | 124.4 |
| 3800 | 1 Row 2 Row | 0.28 0.56 | 0.5 | 0.6 | 0.1 | 61.8 | 62.3 | 67.1 | 58.4 | 27.9 | 30.1 |
| | | | 1.0 | 2.2 | 0.6 | 66.3 | 68.5 | 86.0 | 67.9 | 46.4 | 55.4 |
| | | | 2.0 | 7.5 | 2.2 | 71.2 | 77.1 | 112.0 | 88.0 | 66.8 | 90.8 |
| | | | 4.0 | 25.8 | 7.5 | 75.4 | 86.0 | 137.0 | 115.0 | 84.2 | 127.7 |
| 4100 | 1 Row 2 Row | 0.32 0.64 | 0.5 | 0.6 | 0.1 | 61.3 | 61.8 | 66.5 | 58.2 | 28.1 | 30.2 |
| | | | 1.0 | 2.2 | 0.6 | 65.6 | 67.6 | 84.8 | 67.2 | 47.0 | 55.8 |
| | | | 2.0 | 7.5 | 2.2 | 70.4 | 75.7 | 110.6 | 86.7 | 68.2 | 92.1 |
| | | | 4.0 | 25.8 | 7.5 | 74.5 | 84.4 | 135.8 | 113.5 | 86.5 | 130.7 |
| 4400 | 1 Row 2 Row | 0.36 0.73 | 0.5 | 0.6 | 0.1 | 60.9 | 61.3 | 65.9 | 58.0 | 28.2 | 30.2 |
| | | | 1.0 | 2.2 | 0.6 | 65.0 | 66.8 | 83.7 | 66.6 | 47.5 | 56.1 |
| | | | 2.0 | 7.5 | 2.2 | 69.6 | 74.6 | 109.4 | 85.5 | 69.5 | 93.3 |
| | | | 4.0 | 25.9 | 7.5 | 73.6 | 83.0 | 134.8 | 112.1 | 88.6 | 133.5 |

MODEL SDR-WC SIZE 22

| AIRFLOW | | | WATER FLOW | | | LAT (°F) | | LWT (°F) | | CAPACITY (MBH) | |
|------------|------------------|--------------|------------|--------------------|-------|----------|-------|----------|-------|----------------|-------|
| Rate (CFM) | Air PD (IN.W.G.) | | Rate (GPM) | Water PD (FT.W.G.) | | 1 Row | 2 Row | 1 Row | 2 Row | 1 Row | 2 Row |
| | | | | 1 Row | 2 Row | | | | | | |
| 3100 | 1 Row 2 Row | 0.16 0.31 | 0.5 | 0.7 | 0.1 | 63.4 | 64.0 | 66.6 | 58.0 | 28.0 | 30.2 |
| | | | 1.0 | 2.3 | 0.7 | 68.8 | 71.6 | 86.0 | 67.6 | 46.4 | 55.6 |
| | | | 2.0 | 8.0 | 2.3 | 74.7 | 81.9 | 112.8 | 88.6 | 66.1 | 90.2 |
| | | | 4.0 | 27.5 | 8.0 | 79.5 | 92.2 | 137.9 | 116.4 | 82.4 | 124.9 |
| 3500 | 1 Row 2 Row | 0.19 0.39 | 0.5 | 0.7 | 0.1 | 62.5 | 63.0 | 65.5 | 57.6 | 28.3 | 30.3 |
| | | | 1.0 | 2.3 | 0.7 | 67.5 | 69.8 | 84.0 | 66.4 | 47.4 | 56.2 |
| | | | 2.0 | 8.0 | 2.3 | 73.1 | 79.4 | 110.4 | 86.3 | 68.4 | 92.5 |
| | | | 4.0 | 27.6 | 8.0 | 77.8 | 89.3 | 135.9 | 113.8 | 86.3 | 130.1 |
| 3900 | 1 Row 2 Row | 0.23 0.47 | 0.5 | 0.7 | 0.1 | 61.8 | 62.2 | 64.7 | 57.4 | 28.5 | 30.4 |
| | | | 1.0 | 2.3 | 0.7 | 66.4 | 68.4 | 82.3 | 65.4 | 48.2 | 56.7 |
| | | | 2.0 | 8.0 | 2.3 | 71.7 | 77.4 | 108.3 | 84.3 | 70.5 | 94.5 |
| | | | 4.0 | 27.6 | 8.0 | 76.2 | 86.9 | 134.2 | 111.5 | 89.7 | 134.7 |
| 4300 | 1 Row 2 Row | 0.28 0.56 | 0.5 | 0.7 | 0.1 | 61.2 | 61.5 | 63.9 | 57.1 | 28.7 | 30.4 |
| | | | 1.0 | 2.3 | 0.7 | 65.5 | 67.3 | 80.8 | 64.5 | 49.0 | 57.1 |
| | | | 2.0 | 8.0 | 2.3 | 70.5 | 75.6 | 106.5 | 82.6 | 72.3 | 96.1 |
| | | | 4.0 | 27.7 | 8.0 | 74.9 | 84.8 | 132.6 | 109.4 | 92.9 | 138.8 |
| 4700 | 1 Row 2 Row | 0.33 0.66 | 0.5 | 0.7 | 0.1 | 60.7 | 61.0 | 63.3 | 56.9 | 28.9 | 30.5 |
| | | | 1.0 | 2.3 | 0.7 | 64.7 | 66.3 | 79.6 | 63.9 | 49.6 | 57.5 |
| | | | 2.0 | 8.1 | 2.3 | 69.5 | 74.2 | 104.8 | 81.2 | 74.0 | 97.6 |
| | | | 4.0 | 27.7 | 8.0 | 73.8 | 83.0 | 131.2 | 107.6 | 95.7 | 142.4 |
| 5100 | 1 Row 2 Row | 0.38 0.76 | 0.5 | 0.7 | 0.1 | 60.2 | 60.5 | 62.8 | 56.8 | 29.0 | 30.5 |
| | | | 1.0 | 2.3 | 0.7 | 64.1 | 65.5 | 78.4 | 63.3 | 50.2 | 57.8 |
| | | | 2.0 | 8.1 | 2.3 | 68.7 | 72.9 | 103.4 | 79.9 | 75.4 | 98.8 |
| | | | 4.0 | 27.7 | 8.0 | 72.8 | 81.4 | 129.8 | 106.0 | 98.4 | 145.7 |
| 5500 | 1 Row 2 Row | 0.43 0.87 | 0.5 | 0.7 | 0.1 | 59.9 | 60.1 | 62.3 | 56.7 | 29.1 | 30.5 |
| | | | 1.0 | 2.3 | 0.7 | 63.5 | 64.7 | 77.5 | 62.8 | 50.7 | 58.0 |
| | | | 2.0 | 8.1 | 2.3 | 67.9 | 71.8 | 102.0 | 78.8 | 76.8 | 100.0 |
| | | | 4.0 | 27.7 | 8.1 | 71.9 | 80.0 | 128.6 | 104.5 | 100.8 | 148.7 |
| 5900 | 1 Row 2 Row | 0.49 0.99 | 0.5 | 0.7 | 0.1 | 59.6 | 59.8 | 62.0 | 56.6 | 29.2 | 30.6 |
| | | | 1.0 | 2.3 | 0.7 | 63.0 | 64.1 | 76.6 | 62.3 | 51.1 | 58.2 |
| | | | 2.0 | 8.1 | 2.3 | 67.2 | 70.8 | 100.8 | 77.8 | 78.0 | 101.0 |
| | | | 4.0 | 27.8 | 8.1 | 71.1 | 78.7 | 127.5 | 103.1 | 103.0 | 151.4 |

For the tables above, all data is based on 180° F entering water, 55° entering air, at an altitude of 0 feet above sea level. See hot water coil correction factors table (see drawing 01-80063) if entering water or air temperatures vary from these.



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TITLE: **MODEL SDR-WC**
HOT WATER COIL PERFORMANCE DATA

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|---------|-------------|------------|-----|
| DATE | SHEET | DRAWING NO | REV |
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