

FWF02DATN5V3--  
FWF03DATN5V3--  
FWF04DATN5V3--  
FWF05DATN5V3--

| COOLING 2 PIPE @ 0 ESP |                |                   |      |      |        |               |      |      |        |             |      |      |        |               |      |      |       |              |      |      |       |               |      |     |       |  |  |
|------------------------|----------------|-------------------|------|------|--------|---------------|------|------|--------|-------------|------|------|--------|---------------|------|------|-------|--------------|------|------|-------|---------------|------|-----|-------|--|--|
| Air Temperature        |                | DB:33°C - WB:26°C |      |      |        |               |      |      |        |             |      |      |        |               |      |      |       |              |      |      |       |               |      |     |       |  |  |
| Water Temperature      | Delta T °C     | ΔT=3              |      |      |        |               |      |      |        | ΔT=5        |      |      |        |               |      |      |       | ΔT=7         |      |      |       |               |      |     |       |  |  |
|                        | Water In / Out | 5 °C - 8 °C       |      |      |        | 11 °C - 14 °C |      |      |        | 7 °C - 12°C |      |      |        | 13 °C - 18 °C |      |      |       | 6 °C - 13 °C |      |      |       | 10 °C - 17 °C |      |     |       |  |  |
| Model / Fan Speed      |                | Tc                | Sc   | Wf   | Wpd    | Tc            | Sc   | Wf   | Wpd    | Tc          | Sc   | Wf   | Wpd    | Tc            | Sc   | Wf   | Wpd   | Tc           | Sc   | Wf   | Wpd   | Tc            | Sc   | Wf  | Wpd   |  |  |
| FWF02DT                | 3.0V (L)       | 2.64              | 1.20 | 758  | 18.98  | 1.94          | 1.11 | 556  | 12.83  | 2.29        | 1.16 | 393  | 9.01   | 1.58          | 1.12 | 272  | 6.83  | 2.03         | 1.05 | 249  | 6.48  | 1.63          | 1.02 | 200 | 5.80  |  |  |
|                        | 5.5V (M)       | 3.38              | 1.61 | 969  | 27.10  | 2.48          | 1.47 | 711  | 17.42  | 2.92        | 1.55 | 503  | 11.47  | 2.02          | 1.47 | 348  | 8.13  | 2.59         | 1.40 | 319  | 7.60  | 2.08          | 1.35 | 256 | 6.58  |  |  |
|                        | 8.0V (H)       | 4.06              | 2.01 | 1163 | 36.10  | 2.98          | 1.83 | 854  | 22.45  | 3.51        | 1.93 | 604  | 14.14  | 2.43          | 1.81 | 418  | 9.51  | 3.11         | 1.74 | 382  | 8.79  | 2.50          | 1.67 | 307 | 7.40  |  |  |
|                        | 9.5V           | 4.44              | 2.25 | 1272 | 41.75  | 3.26          | 2.03 | 933  | 25.60  | 3.84        | 2.15 | 660  | 15.80  | 2.65          | 2.01 | 456  | 10.37 | 3.40         | 1.94 | 418  | 9.52  | 2.73          | 1.85 | 335 | 7.90  |  |  |
| FWF03DT                | 3.0V (L)       | 4.80              | 1.71 | 1375 | 134.33 | 3.52          | 1.67 | 1010 | 76.51  | 4.15        | 1.70 | 714  | 42.08  | 2.87          | 1.75 | 494  | 23.66 | 3.68         | 1.55 | 452  | 20.84 | 2.96          | 1.56 | 363 | 15.58 |  |  |
|                        | 6.0V (M)       | 5.63              | 2.06 | 1613 | 181.03 | 4.13          | 2.00 | 1184 | 102.03 | 4.87        | 2.05 | 837  | 55.11  | 3.37          | 2.08 | 580  | 30.09 | 4.32         | 1.86 | 531  | 26.29 | 3.47          | 1.87 | 426 | 19.18 |  |  |
|                        | 8.0V (H)       | 6.08              | 2.35 | 1742 | 209.38 | 4.46          | 2.25 | 1279 | 117.48 | 5.26        | 2.31 | 904  | 62.99  | 3.64          | 2.32 | 626  | 33.97 | 4.66         | 2.10 | 573  | 29.57 | 3.74          | 2.09 | 460 | 21.34 |  |  |
|                        | 9.5V           | 6.37              | 2.52 | 1825 | 228.55 | 4.67          | 2.40 | 1339 | 127.91 | 5.51        | 2.48 | 947  | 68.31  | 3.81          | 2.47 | 655  | 36.58 | 4.89         | 2.25 | 600  | 31.78 | 3.92          | 2.23 | 482 | 22.80 |  |  |
| FWF04DT                | 3.0V (L)       | 5.37              | 1.80 | 1538 | 109.85 | 3.94          | 1.78 | 1129 | 63.61  | 4.64        | 1.81 | 798  | 35.60  | 3.21          | 1.89 | 553  | 20.27 | 4.12         | 1.64 | 506  | 17.88 | 3.31          | 1.68 | 406 | 13.35 |  |  |
|                        | 5.5V (M)       | 6.90              | 2.38 | 1979 | 174.20 | 5.07          | 2.35 | 1453 | 99.17  | 5.97        | 2.38 | 1027 | 54.07  | 4.13          | 2.47 | 711  | 29.62 | 5.30         | 2.17 | 651  | 25.84 | 4.25          | 2.20 | 523 | 18.71 |  |  |
|                        | 8.0V (H)       | 8.25              | 2.93 | 2363 | 242.59 | 6.05          | 2.86 | 1735 | 136.79 | 7.13        | 2.92 | 1227 | 73.48  | 4.94          | 3.00 | 849  | 39.35 | 6.33         | 2.65 | 777  | 34.11 | 5.08          | 2.68 | 624 | 24.25 |  |  |
|                        | 9.5V           | 8.97              | 3.28 | 2572 | 284.36 | 6.59          | 3.19 | 1888 | 159.70 | 7.76        | 3.26 | 1335 | 85.27  | 5.37          | 3.32 | 924  | 45.22 | 6.88         | 2.96 | 846  | 39.10 | 5.53          | 2.98 | 679 | 27.57 |  |  |
| FWF05DT                | 3.0V (L)       | 5.95              | 1.99 | 1707 | 132.52 | 4.37          | 1.98 | 1253 | 76.01  | 5.15        | 2.00 | 886  | 41.98  | 3.56          | 2.09 | 613  | 23.39 | 4.57         | 1.82 | 561  | 20.52 | 3.67          | 1.86 | 450 | 15.06 |  |  |
|                        | 5.5V (M)       | 8.45              | 3.00 | 2422 | 253.78 | 6.20          | 2.93 | 1777 | 142.75 | 7.31        | 2.99 | 1257 | 76.48  | 5.06          | 3.07 | 869  | 40.71 | 6.48         | 2.72 | 796  | 35.26 | 5.20          | 2.75 | 639 | 24.94 |  |  |
|                        | 8.0V (H)       | 10.37             | 3.89 | 2971 | 373.66 | 7.61          | 3.75 | 2180 | 208.36 | 8.97        | 3.85 | 1542 | 110.17 | 6.20          | 3.89 | 1066 | 57.44 | 7.95         | 3.49 | 977  | 49.45 | 6.38          | 3.50 | 784 | 34.37 |  |  |
|                        | 9.5V           | 11.24             | 4.45 | 3221 | 435.88 | 8.24          | 4.24 | 2363 | 242.29 | 9.72        | 4.37 | 1671 | 127.55 | 6.72          | 4.35 | 1156 | 66.01 | 8.62         | 3.96 | 1059 | 56.73 | 6.92          | 3.93 | 849 | 39.18 |  |  |
| Air Temperature        |                | DB:27°C - WB:19°C |      |      |        |               |      |      |        |             |      |      |        |               |      |      |       |              |      |      |       |               |      |     |       |  |  |
| Water Temperature      | Delta T °C     | ΔT=3              |      |      |        |               |      |      |        | ΔT=5        |      |      |        |               |      |      |       | ΔT=7         |      |      |       |               |      |     |       |  |  |
|                        | Water In / Out | 5 °C - 8 °C       |      |      |        | 11 °C - 14 °C |      |      |        | 7 °C - 12°C |      |      |        | 13 °C - 18 °C |      |      |       | 6 °C - 13 °C |      |      |       | 10 °C - 17 °C |      |     |       |  |  |
| Model / Fan Speed      |                | Tc                | Sc   | Wf   | Wpd    | Tc            | Sc   | Wf   | Wpd    | Tc          | Sc   | Wf   | Wpd    | Tc            | Sc   | Wf   | Wpd   | Tc           | Sc   | Wf   | Wpd   | Tc            | Sc   | Wf  | Wpd   |  |  |
| FWF02DT                | 3.0V (L)       | 1.66              | 1.27 | 476  | 10.81  | 0.96          | 0.94 | 274  | 6.86   | 1.30        | 1.09 | 224  | 6.12   | 0.67          | 0.67 | 116  | 4.85  | 1.04         | 0.90 | 128  | 4.98  | 0.72          | 0.72 | 88  | 4.60  |  |  |
|                        | 5.5V (M)       | 2.12              | 1.67 | 608  | 14.27  | 1.22          | 1.22 | 350  | 8.17   | 1.67        | 1.43 | 286  | 7.06   | 0.86          | 0.86 | 148  | 5.18  | 1.33         | 1.18 | 164  | 5.36  | 0.91          | 0.91 | 112 | 4.82  |  |  |
|                        | 8.0V (H)       | 2.55              | 2.05 | 730  | 18.04  | 1.47          | 1.47 | 420  | 9.57   | 2.00        | 1.76 | 344  | 8.05   | 1.03          | 1.03 | 177  | 5.52  | 1.60         | 1.45 | 197  | 5.76  | 1.10          | 1.10 | 135 | 5.04  |  |  |
|                        | 9.5V           | 2.78              | 2.27 | 798  | 20.39  | 1.60          | 1.60 | 459  | 10.43  | 2.18        | 1.94 | 376  | 8.66   | 1.13          | 1.13 | 194  | 5.72  | 1.75         | 1.60 | 215  | 6.00  | 1.20          | 1.20 | 147 | 5.18  |  |  |
| FWF03DT                | 3.0V (L)       | 3.01              | 2.01 | 864  | 58.15  | 1.74          | 1.54 | 498  | 23.94  | 2.37        | 1.75 | 407  | 18.04  | 1.22          | 1.22 | 211  | 8.89  | 1.90         | 1.45 | 233  | 9.70  | 1.30          | 1.22 | 160 | 7.33  |  |  |
|                        | 6.0V (M)       | 3.53              | 2.39 | 1013 | 76.97  | 2.04          | 1.83 | 584  | 30.47  | 2.78        | 2.08 | 477  | 22.50  | 1.44          | 1.44 | 247  | 10.21 | 2.23         | 1.72 | 273  | 11.29 | 1.53          | 1.44 | 188 | 8.14  |  |  |
|                        | 8.0V (H)       | 3.82              | 2.66 | 1094 | 88.36  | 2.20          | 2.02 | 631  | 34.39  | 3.00        | 2.31 | 515  | 25.17  | 1.55          | 1.55 | 266  | 11.00 | 2.40         | 1.91 | 295  | 12.23 | 1.65          | 1.59 | 203 | 8.62  |  |  |
|                        | 9.5V           | 4.00              | 2.82 | 1146 | 96.04  | 2.30          | 2.14 | 660  | 37.03  | 3.14        | 2.45 | 540  | 26.97  | 1.62          | 1.62 | 279  | 11.52 | 2.52         | 2.02 | 309  | 12.87 | 1.73          | 1.68 | 212 | 8.94  |  |  |
| FWF04DT                | 3.0V (L)       | 3.37              | 2.17 | 966  | 48.74  | 1.94          | 1.69 | 557  | 20.52  | 2.65        | 1.91 | 455  | 15.48  | 1.37          | 1.37 | 236  | 7.37  | 2.12         | 1.58 | 261  | 8.11  | 1.46          | 1.33 | 179 | 5.88  |  |  |
|                        | 5.5V (M)       | 4.34              | 2.84 | 1243 | 75.18  | 2.50          | 2.19 | 717  | 30.01  | 3.41        | 2.49 | 586  | 22.06  | 1.76          | 1.76 | 303  | 9.46  | 2.73         | 2.06 | 335  | 10.59 | 1.87          | 1.73 | 230 | 7.22  |  |  |
|                        | 8.0V (H)       | 5.18              | 3.44 | 1484 | 103.05 | 2.99          | 2.65 | 856  | 39.87  | 4.07        | 3.01 | 699  | 28.86  | 2.10          | 2.10 | 362  | 11.57 | 3.26         | 2.49 | 400  | 13.11 | 2.24          | 2.09 | 275 | 8.55  |  |  |
|                        | 9.5V           | 5.63              | 3.81 | 1615 | 120.00 | 3.25          | 2.92 | 931  | 45.82  | 4.42        | 3.32 | 761  | 32.95  | 2.29          | 2.29 | 393  | 12.81 | 3.55         | 2.74 | 436  | 14.61 | 2.43          | 2.30 | 299 | 9.33  |  |  |
| FWF05DT                | 3.0V (L)       | 3.74              | 2.41 | 1071 | 57.89  | 2.15          | 1.87 | 617  | 23.64  | 2.93        | 2.11 | 504  | 17.61  | 1.51          | 1.51 | 260  | 7.90  | 2.35         | 1.75 | 289  | 8.79  | 1.61          | 1.47 | 198 | 6.15  |  |  |
|                        | 5.5V (M)       | 5.30              | 3.53 | 1520 | 107.38 | 3.05          | 2.71 | 876  | 41.19  | 4.16        | 3.08 | 716  | 29.74  | 2.15          | 2.15 | 369  | 11.67 | 3.34         | 2.55 | 410  | 13.30 | 2.29          | 2.13 | 281 | 8.54  |  |  |
|                        | 8.0V (H)       | 6.50              | 4.46 | 1864 | 155.85 | 3.74          | 3.40 | 1073 | 58.08  | 5.10        | 3.88 | 878  | 41.35  | 2.63          | 2.63 | 453  | 15.17 | 4.09         | 3.20 | 502  | 17.51 | 2.80          | 2.67 | 344 | 10.72 |  |  |
|                        | 9.5V           | 7.05              | 4.98 | 2020 | 180.86 | 4.06          | 3.76 | 1163 | 66.71  | 5.53        | 4.31 | 951  | 47.28  | 2.85          | 2.85 | 490  | 16.91 | 4.43         | 3.56 | 544  | 19.63 | 3.03          | 2.96 | 373 | 11.80 |  |  |
| Air Temperature        |                | DB:18°C - WB:15°C |      |      |        |               |      |      |        |             |      |      |        |               |      |      |       |              |      |      |       |               |      |     |       |  |  |
| Water Temperature      | Delta T °C     | ΔT=3              |      |      |        |               |      |      |        | ΔT=5        |      |      |        |               |      |      |       | ΔT=7         |      |      |       |               |      |     |       |  |  |
|                        | Water In / Out | 5 °C - 8 °C       |      |      |        | 11 °C - 14 °C |      |      |        | 7 °C - 12°C |      |      |        | 12 °C - 17 °C |      |      |       | 6 °C - 13 °C |      |      |       | 10 °C - 17 °C |      |     |       |  |  |
| Model / Fan Speed      |                | Tc                | Sc   | Wf   | Wpd    | Tc            | Sc   | Wf   | Wpd    | Tc          | Sc   | Wf   | Wpd    | Tc            | Sc   | Wf   | Wpd   | Tc           | Sc   | Wf   | Wpd   | Tc            | Sc   | Wf  | Wpd   |  |  |
| FWF02DT                | 3.0V (L)       | 1.01              | 0.81 | 288  | 7.09   | 0.26          | 0.26 | 73   | 4.48   | 0.65        | 0.59 | 112  | 4.82   | 0.10          | 0.10 | 18   | 4.10  | 0.39         | 0.35 | 48   | 4.29  | 0.13          | 0.13 | 16  | 4.09  |  |  |
|                        | 5.5V (M)       | 1.29              | 1.06 | 369  | 8.52   | 0.33          | 0.33 | 93   | 4.65   | 0.83        | 0.77 | 143  | 5.13   | 0.13          | 0.13 | 23   | 4.13  | 0.50         | 0.46 | 61   | 4.39  | 0.17          | 0.17 | 20  | 4.11  |  |  |
|                        | 8.0V (H)       | 1.54              | 1.31 | 442  | 10.05  | 0.39          | 0.39 | 112  | 4.82   | 0.99        | 0.95 | 171  | 5.44   | 0.16          | 0.16 | 27   | 4.15  | 0.60         | 0.57 | 73   | 4.48  | 0.20          | 0.20 | 24  | 4.14  |  |  |
|                        | 9.5V           | 1.69              | 1.45 | 483  | 10.99  | 0.42          | 0.42 | 122  | 4.91   | 1.09        | 1.05 | 187  | 5.63   | 0.17          | 0.17 | 29   | 4.17  | 0.65         | 0.63 | 80   | 4.54  | 0.22          | 0.22 | 26  | 4.15  |  |  |
| FWF03DT                | 3.0V (L)       | 1.83              | 1.29 | 524  | 25.81  | 0.47          | 0.47 | 134  | 6.65   | 1.18        | 0.96 | 203  | 8.64   | 0.19          | 0.19 | 33   | 4.82  | 0.71         | 0.58 | 88   | 5.65  | 0.24          | 0.24 | 30  | 4.78  |  |  |
|                        | 6.0V (M)       | 2.14              | 1.54 | 615  | 33.00  | 0.55          | 0.55 | 157  | 7.24   | 1.38        | 1.14 | 238  | 9.88   | 0.23          | 0.23 | 39   | 4.89  | 0.83         | 0.68 | 103  | 5.94  | 0.28          | 0.28 | 35  | 4.84  |  |  |
|                        | 8.0V (H)       | 2.32              | 1.71 | 664  | 37.33  | 0.59          | 0.59 | 169  | 7.59   | 1.49        | 1.26 | 257  | 10.62  | 0.24          | 0.24 | 42   | 4.93  | 0.90         | 0.76 | 111  | 6.11  | 0.30          | 0.30 | 37  | 4.87  |  |  |
|                        | 9.5V           | 2.42              | 1.81 | 695  | 40.23  | 0.62          | 0.62 | 177  | 7.81   | 1.56        | 1.33 | 269  | 11.11  | 0.25          | 0.25 | 44   | 4.95  | 0.94         | 0.80 | 116  | 6.22  | 0.32          | 0.32 | 39  | 4.89  |  |  |
| FWF04DT                | 3.0V (L)       | 2.05              | 1.41 | 586  | 22.10  | 0.52          | 0.52 | 150  | 5.22   | 1.32        | 1.05 | 227  | 7.13   | 0.22          | 0.22 | 37   | 3.24  | 0.80         | 0.63 | 98   | 4.18  | 0.27          | 0.27 | 33  | 4.19  |  |  |
|                        | 5.5V (M)       | 2.63              | 1.83 | 754  | 32.51  | 0.67          | 0.67 | 193  | 6.22   | 1.70        | 1.36 | 292  | 9.11   | 0.28          | 0.28 | 48   | 3.38  | 1.03         | 0.82 | 126  | 4.71  | 0.35          | 0.35 | 43  | 3.31  |  |  |
|                        | 8.0V (H)       | 3.14              | 2.22 | 900  | 43.35  | 0.80          | 0.80 | 230  | 7.21   | 2.03        | 1.65 | 349  | 11.09  | 0.33          | 0.33 | 57   | 3.51  | 1.22         | 0.99 | 150  | 5.22  | 0.41          | 0.41 | 51  | 3.42  |  |  |
|                        | 9.5V           | 3.42              | 2.45 | 979  | 49.89  | 0.87          | 0.87 | 250  | 7.78   | 2.21        | 1.82 | 379  | 12.26  | 0.36          | 0.36 | 62   | 3.58  | 1.33         | 1.09 | 163  | 5.51  | 0.45          | 0.45 | 55  | 3.48  |  |  |
| FWF05DT                | 3.0V (L)       | 2.27              | 1.56 | 649  | 25.54  | 0.57          | 0.57 | 165  | 5.34   | 1.46        | 1.16 | 251  | 7.62   | 0.23          | 0.23 | 40   | 3.08  | 0.88         | 0.69 | 108  | 4.16  | 0.29          | 0.29 | 36  | 3.02  |  |  |
|                        | 5.5V (M)       | 3.21              | 2.27 | 921  | 44.82  | 0.81          | 0.81 | 233  | 7.11   | 2.07        | 1.68 | 357  | 11.17  | 0.33          | 0.33 | 57   | 3.31  | 1.25         | 1.01 | 153  | 5.08  | 0.42          | 0.42 | 51  | 3.23  |  |  |
|                        | 8.0V (H)       | 3.94              | 2.86 | 1129 | 63.42  | 0.99          | 0.99 | 285  | 8.67   | 2.54        | 2.11 | 437  | 14.46  | 0.40          | 0.40 | 69   | 3.50  | 1.53         | 1.26 | 187  | 5.88  | 0.51          | 0.51 | 62  | 3.39  |  |  |
|                        | 9.5V           | 4.27              | 3.19 | 1223 | 72.93  | 1.07          | 1.07 | 308  | 9.43   | 2.75        | 2.35 | 473  | 16.09  | 0.43          | 0.43 | 74   | 3.58  | 1.65         | 1.40 | 203  | 6.27  | 0.54          | 0.54 | 67  | 3.46  |  |  |