

Fan Coil Performance Data

The Whalen Company

Model WFC-600

Cooling Capacity

| Entering Water°F | Entering air Water Rise°F | 75.0 db°F / 63.0 wb°F | | | | 78.0 db°F 65.0 wb°F | | | | 80.0 db°F 67.0 wb°F | | | |
|------------------|---|-----------------------------|---|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| | | 10 | 12 | 14 | 16 | 10 | 12 | 14 | 16 | 10 | 12 | 14 | 16 |
| | | 42 | Cool kBTU Sens. kBTU GPM dp FT | 18.0 13.3 3.6 14.6 | 16.5 12.7 2.8 8.6 | 15.1 12.1 2.2 5.2 | 13.6 11.5 1.7 3.3 | 20.2 14.5 4.0 18.4 | 18.7 13.9 3.1 11.0 | 17.3 13.3 2.5 6.9 | 15.9 12.7 2.0 4.4 | 22.9 15.3 4.6 23.7 | 21.4 14.6 3.6 14.4 |
| 43 | Cool kBTU Sens. kBTU GPM dp FT | 16.6 12.8 3.3 12.5 | 15.2 12.2 2.5 7.2 | 13.8 11.6 2.0 4.4 | 12.4 11.0 1.5 2.7 | 18.8 13.9 3.8 16.0 | 17.4 13.3 2.9 9.5 | 16.0 12.8 2.3 5.9 | 14.6 12.2 1.8 3.8 | 21.5 14.7 4.3 20.9 | 20.0 14.1 3.3 12.6 | 18.6 13.5 2.7 8.0 | 17.2 13.0 2.1 5.2 |
| 44 | Cool kBTU Sens. kBTU GPM dp FT | 15.3 12.2 3.1 10.6 | 13.9 11.6 2.3 6.1 | 12.5 11.1 1.8 3.6 | 11.1 10.5 1.4 2.2 | 17.5 13.4 3.5 13.9 | 16.1 12.8 2.7 8.1 | 14.7 12.3 2.1 5.0 | 13.3 11.7 1.7 3.1 | 20.1 14.1 4.0 18.3 | 18.7 13.5 3.1 11.0 | 17.3 13.0 2.5 6.9 | 15.8 12.5 2.0 4.4 |
| 45 | Cool kBTU Sens. kBTU GPM dp FT | 14.1 11.7 2.8 8.9 | 12.6 11.1 2.1 5.0 | 11.3 10.6 1.6 2.9 | 9.9 9.9 1.2 1.7 | 16.2 12.9 3.2 11.9 | 14.8 12.3 2.5 6.9 | 13.5 11.8 1.9 4.2 | 12.1 11.3 1.5 2.6 | 18.8 13.6 3.8 16.0 | 17.4 13.0 2.9 9.5 | 16.0 12.5 2.3 5.9 | 14.6 12.0 1.8 3.8 |
| 46 | Cool kBTU Sens. kBTU GPM dp FT | 12.8 11.2 2.6 7.4 | 11.4 10.6 1.9 4.1 | 10.1 10.1 1.4 2.3 | 8.8 8.8 1.1 1.4 | 15.0 12.4 3.0 10.2 | 13.6 11.8 2.3 5.8 | 12.2 11.3 1.8 3.5 | 10.9 10.8 1.4 2.1 | 17.5 13.1 3.5 13.8 | 16.1 12.5 2.7 8.1 | 14.7 12.0 2.1 5.0 | 13.3 11.5 1.7 3.1 |
| 47 | Cool kBTU Sens. kBTU GPM dp FT | 11.6 10.7 2.3 6.1 | 10.2 10.2 1.7 3.3 | 8.9 8.9 1.3 1.8 | 7.6 7.6 1.0 1.0 | 13.8 11.9 2.8 8.6 | 12.4 11.4 2.1 4.8 | 11.1 10.9 1.6 2.8 | 9.8 9.8 1.2 1.7 | 16.2 12.6 3.2 11.9 | 14.8 12.1 2.5 6.9 | 13.5 11.6 1.9 4.2 | 12.1 11.1 1.5 2.6 |
| 48 | Cool kBTU Sens. kBTU GPM dp FT | 10.4 10.3 2.1 4.9 | 9.1 9.1 1.5 2.6 | 7.8 7.8 1.1 1.4 | 6.6 6.6 0.8 0.8 | 12.6 11.4 2.5 7.2 | 11.2 10.9 1.9 4.0 | 9.9 9.9 1.4 2.3 | 8.7 8.7 1.1 1.3 | 15.0 12.1 3.0 10.1 | 13.6 11.6 2.3 5.8 | 12.3 11.1 1.8 3.5 | 11.0 10.7 1.4 2.1 |

Heating Capacity - 2Pipe configuration

| Entering Water°F | Entering air Water Rise°F | 65.0 db°F | | | | 70.0 db°F | | | | 75.0 db°F | | | |
|------------------|------------------------------|---------------------|---------------------------|---------------------|--------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|--------------------|--------------------|
| | | 15 | 20 | 25 | 30 | 15 | 20 | 25 | 30 | 15 | 20 | 25 | 30 |
| | | 120 | Heat kBTU GPM dp FT | 27.8 3.7 15.5 | 25.8 2.6 7.5 | 23.7 1.9 4.1 | 21.7 1.4 2.4 | 24.7 3.3 12.3 | 22.7 2.3 5.8 | 20.6 1.7 3.1 | 18.7 1.2 1.8 | 21.6 2.9 9.4 | 19.6 2.0 4.3 |
| 130 | Heat kBTU GPM dp FT | 34.0 4.5 23.2 | 31.9 3.2 11.5 | 29.9 2.4 6.5 | 27.8 1.9 3.9 | 30.9 4.1 19.2 | 28.8 2.9 9.4 | 26.8 2.1 5.2 | 24.8 1.7 3.1 | 27.8 3.7 15.5 | 25.8 2.6 7.5 | 23.7 1.9 4.1 | 21.7 1.4 2.4 |
| 140 | Heat kBTU GPM dp FT | 40.2 5.4 32.5 | 38.1 3.8 16.4 | 36.1 2.9 9.4 | 34.0 2.3 5.8 | 37.1 4.9 27.6 | 35.0 3.5 13.9 | 33.0 2.6 7.9 | 30.9 2.1 4.8 | 22.5 3.0 10.2 | 31.9 3.2 11.5 | 29.9 2.4 6.5 | 27.9 1.9 3.9 |
| 150 | Heat kBTU GPM dp FT | 46.4 6.2 43.2 | 44.3 4.4 22.2 | 42.2 3.4 12.9 | 40.2 2.7 8.1 | 43.3 5.8 37.6 | 41.2 4.1 19.2 | 39.1 3.1 11.1 | 37.1 2.5 6.9 | 40.2 5.4 32.4 | 38.1 3.8 16.4 | 36.0 2.9 9.4 | 34.0 2.3 5.8 |

Heating Capacity - 4Pipe configuration (Standard coils- other coils available)

| Entering Water°F | Entering air Water Rise°F | 65.0 db°F | | | | 70.0 db°F | | | | 75.0 db°F | | | |
|------------------|------------------------------|---------------------|---------------------------|---------------------|--------------------|---------------------|--------------------|--------------------|--------------------|---------------------|--------------------|--------------------|--------------------|
| | | 30 | 40 | 50 | 60 | 30 | 40 | 50 | 60 | 30 | 40 | 50 | 60 |
| | | 160 | Heat kBTU GPM dp FT | 20.4 1.4 11.1 | 18.5 0.9 5.2 | 16.7 0.7 2.7 | 14.8 0.5 1.5 | 19.1 1.3 9.7 | 17.2 0.9 4.4 | 15.3 0.6 2.3 | 13.5 0.5 1.2 | 17.7 1.2 8.3 | 15.8 0.8 3.7 |
| 180 | Heat kBTU GPM dp FT | 25.9 1.7 17.9 | 24.0 1.2 8.7 | 22.1 0.9 4.7 | 20.3 0.7 2.7 | 24.6 1.6 16.1 | 22.7 1.1 7.7 | 20.8 0.8 4.1 | 18.9 0.6 2.4 | 23.2 1.5 14.3 | 21.3 1.1 6.8 | 19.4 0.8 3.6 | 17.6 0.6 2.1 |