

# PERFORMANCE DATA

## FDV – 1 and 2 Row Hot Water Coil Data

### Size 10 Standard Capacity

| Rows                | Coil GPM              | HD loss | Airflow rate (CFM) |       |       |       |       |       |       |
|---------------------|-----------------------|---------|--------------------|-------|-------|-------|-------|-------|-------|
|                     |                       |         | 250                | 350   | 450   | 550   | 650   | 750   | 850   |
| 1 Row Multi Circuit | 0.5                   | 0.21    | 7.30               | 8.20  | 8.70  | 9.20  | 9.60  | 9.80  | 10.10 |
|                     | 1                     | 0.73    | 9.20               | 10.70 | 11.60 | 12.50 | 13.10 | 13.70 | 14.20 |
|                     | 2                     | 2.53    | 10.70              | 12.60 | 14.10 | 15.30 | 16.30 | 17.10 | 17.90 |
|                     | 3                     | 5.25    | 11.20              | 13.30 | 15.00 | 16.40 | 17.50 | 18.50 | 19.60 |
|                     | Through the Coil, ΔPs |         | 0.04               | 0.07  | 0.10  | 0.14  | 0.18  | 0.23  | 0.28  |
| 2 Row Multi Circuit | 0.5                   | 0.05    | 11.90              | 13.30 | 14.10 | 14.80 | 15.30 | 15.70 |       |
|                     | 1                     | 0.17    | 15.40              | 17.70 | 19.50 | 20.80 | 21.90 | 22.80 |       |
|                     | 2                     | 0.60    | 18.10              | 21.70 | 24.40 | 26.60 | 28.40 | 30.00 |       |
|                     | 3                     | 1.25    | 19.20              | 23.30 | 26.60 | 29.30 | 31.60 | 33.50 |       |
|                     | Through the Coil, ΔPs |         | 0.08               | 0.15  | 0.22  | 0.31  | 0.41  | 0.51  |       |

### Size 10 High Capacity

| Rows                | Coil GPM              | HD loss | Airflow rate (CFM) |       |       |       |       |       |       |
|---------------------|-----------------------|---------|--------------------|-------|-------|-------|-------|-------|-------|
|                     |                       |         | 250                | 350   | 450   | 550   | 650   | 750   | 850   |
| 1 Row Multi Circuit | 0.5                   | 0.29    | 8.90               | 9.90  | 10.50 | 11.00 | 11.50 | 11.70 | 12.10 |
|                     | 1                     | 0.99    | 11.80              | 13.50 | 14.80 | 15.90 | 16.80 | 17.30 | 17.90 |
|                     | 2                     | 3.43    | 14.10              | 16.60 | 18.70 | 20.30 | 21.70 | 22.90 | 24.00 |
|                     | 3                     | 7.12    | 15.00              | 17.90 | 20.30 | 22.30 | 24.00 | 25.40 | 26.60 |
|                     | Through the Coil, ΔPs |         | 0.03               | 0.05  | 0.07  | 0.10  | 0.13  | 0.16  | 0.20  |
| 2 Row Multi Circuit | 0.5                   | 0.07    | 13.90              | 15.40 | 16.40 | 17.10 | 17.70 | 18.10 |       |
|                     | 1                     | 0.22    | 18.50              | 21.50 | 23.70 | 25.40 | 26.70 | 27.70 |       |
|                     | 2                     | 0.76    | 22.20              | 27.00 | 30.70 | 33.70 | 36.10 | 38.30 |       |
|                     | 3                     | 1.58    | 23.70              | 29.30 | 33.90 | 37.70 | 40.80 | 43.50 |       |
|                     | Through the Coil, ΔPs |         | 0.06               | 0.11  | 0.16  | 0.22  | 0.29  | 0.36  |       |

### Size 20 Standard Capacity

| Rows                | Coil GPM              | HD loss | Airflow rate (CFM) |       |       |       |       |       |       |
|---------------------|-----------------------|---------|--------------------|-------|-------|-------|-------|-------|-------|
|                     |                       |         | 450                | 550   | 650   | 750   | 850   | 950   | 1050  |
| 1 Row Multi Circuit | 0.5                   | 0.04    | 10.30              | 10.80 | 11.30 | 11.60 | 11.80 | 12.00 | 12.30 |
|                     | 1                     | 0.15    | 14.30              | 15.30 | 16.30 | 16.90 | 17.40 | 17.90 | 18.50 |
|                     | 2                     | 0.50    | 18.10              | 19.80 | 21.20 | 22.50 | 23.40 | 24.50 | 25.20 |
|                     | 3                     | 1.05    | 19.80              | 21.90 | 23.60 | 25.20 | 26.60 | 27.70 | 28.70 |
|                     | Through the Coil, ΔPs |         | 0.03               | 0.05  | 0.06  | 0.08  | 0.09  | 0.11  | 0.13  |
| 2 Row Multi Circuit | 0.5                   | 0.08    | 16.60              | 17.50 | 18.00 | 18.50 | 19.00 | 19.20 | 19.50 |
|                     | 1                     | 0.27    | 23.90              | 25.70 | 27.10 | 28.30 | 29.30 | 30.10 | 30.90 |
|                     | 2                     | 0.94    | 30.60              | 33.80 | 36.50 | 38.70 | 40.70 | 42.30 | 43.80 |
|                     | 3                     | 1.95    | 33.70              | 37.60 | 41.10 | 44.00 | 46.50 | 48.70 | 50.80 |
|                     | Through the Coil, ΔPs |         | 0.07               | 0.10  | 0.13  | 0.17  | 0.21  | 0.25  | 0.29  |

### Size 20 High Capacity

| Rows                | Coil GPM              | HD loss | Airflow rate (CFM) |       |       |       |       |       |       |
|---------------------|-----------------------|---------|--------------------|-------|-------|-------|-------|-------|-------|
|                     |                       |         | 450                | 550   | 650   | 750   | 850   | 950   | 1050  |
| 1 Row Multi Circuit | 0.5                   | 0.46    | 12.20              | 12.80 | 13.20 | 13.60 | 14.00 | 14.10 | 14.30 |
|                     | 1                     | 1.59    | 18.00              | 19.30 | 20.30 | 21.20 | 21.90 | 22.50 | 23.00 |
|                     | 2                     | 5.50    | 23.60              | 25.80 | 27.60 | 29.20 | 30.60 | 31.90 | 33.00 |
|                     | 3                     | 11.42   | 26.20              | 29.00 | 31.30 | 33.40 | 35.20 | 36.90 | 38.40 |
|                     | Through the Coil, ΔPs |         | 0.02               | 0.03  | 0.04  | 0.05  | 0.07  | 0.08  | 0.09  |
| 2 Row Multi Circuit | 0.5                   | 0.10    | 18.60              | 19.40 | 20.00 | 20.50 | 20.80 | 21.10 | 21.40 |
|                     | 1                     | 0.34    | 27.90              | 29.90 | 31.50 | 32.70 | 33.80 | 34.70 | 35.50 |
|                     | 2                     | 1.17    | 36.80              | 40.80 | 44.10 | 46.80 | 49.20 | 51.20 | 53.10 |
|                     | 3                     | 2.42    | 41.00              | 46.00 | 50.40 | 54.20 | 57.50 | 60.50 | 63.10 |
|                     | Through the Coil, ΔPs |         | 0.05               | 0.07  | 0.10  | 0.12  | 0.15  | 0.18  | 0.21  |

For Performance Notes, see end of section.

# PERFORMANCE DATA

## FDV – 1 and 2 Row Hot Water Coil Data

### Size 30 Standard Capacity

| Rows                | Coil GPM              | HD loss | Airflow rate (CFM) |       |       |       |       |       |       |
|---------------------|-----------------------|---------|--------------------|-------|-------|-------|-------|-------|-------|
|                     |                       |         | 850                | 950   | 1050  | 1150  | 1250  | 1350  | 1450  |
| 1 Row Multi Circuit | 1                     | 0.15    | 17.40              | 17.90 | 18.50 | 18.80 | 19.10 | 19.60 | 19.80 |
|                     | 2                     | 0.50    | 23.40              | 24.50 | 25.20 | 25.90 | 26.60 | 27.20 | 27.80 |
|                     | 4                     | 1.76    | 28.30              | 29.60 | 30.90 | 32.00 | 33.00 | 34.00 | 34.90 |
|                     | 6                     | 3.69    | 30.20              | 31.70 | 33.10 | 34.50 | 35.70 | 36.80 | 38.00 |
|                     | Through the Coil, ΔPs |         |                    | 0.09  | 0.11  | 0.13  | 0.15  | 0.18  | 0.20  |
| 2 Row Multi Circuit | 1                     | 0.27    | 29.30              | 30.10 | 30.90 | 31.40 | 32.00 | 32.50 |       |
|                     | 2                     | 0.94    | 40.70              | 42.30 | 43.80 | 45.20 | 46.40 | 47.50 |       |
|                     | 4                     | 3.27    | 49.90              | 52.70 | 55.00 | 57.20 | 59.20 | 61.10 |       |
|                     | 6                     | 6.82    | 53.70              | 56.80 | 59.60 | 62.30 | 64.70 | 67.00 |       |
|                     | Through the Coil, ΔPs |         |                    | 0.21  | 0.25  | 0.30  | 0.35  | 0.40  | 0.45  |

### Size 30 High Capacity

| Rows                | Coil GPM              | HD loss | Airflow rate (CFM) |       |       |       |       |       |       |
|---------------------|-----------------------|---------|--------------------|-------|-------|-------|-------|-------|-------|
|                     |                       |         | 850                | 950   | 1050  | 1150  | 1250  | 1350  | 1450  |
| 1 Row Multi Circuit | 0.5                   | 0.46    | 14.00              | 14.10 | 14.30 | 14.50 | 14.70 | 14.90 | 14.90 |
|                     | 1                     | 1.59    | 21.90              | 22.50 | 23.00 | 23.60 | 23.90 | 24.40 | 24.70 |
|                     | 2                     | 5.50    | 30.60              | 31.90 | 33.00 | 34.00 | 34.90 | 35.80 | 36.40 |
|                     | 3                     | 11.42   | 35.20              | 36.90 | 38.40 | 39.70 | 40.90 | 42.00 | 43.00 |
|                     | Through the Coil, ΔPs |         |                    | 0.07  | 0.08  | 0.09  | 0.11  | 0.13  | 0.14  |
| 2 Row Multi Circuit | 1                     | 0.34    | 33.80              | 34.70 | 35.50 | 36.20 | 36.70 | 37.20 |       |
|                     | 2                     | 1.17    | 49.20              | 51.20 | 53.10 | 54.70 | 56.10 | 57.50 |       |
|                     | 4                     | 4.07    | 62.60              | 66.20 | 69.50 | 72.50 | 75.10 | 77.60 |       |
|                     | 6                     | 8.48    | 68.40              | 72.70 | 76.70 | 80.50 | 83.80 | 87.00 |       |
|                     | Through the Coil, ΔPs |         |                    | 0.15  | 0.18  | 0.22  | 0.25  | 0.29  | 0.32  |

### Size 40 Standard Capacity

| Rows                | Coil GPM              | HD loss | Airflow rate (CFM) |       |       |       |       |       |       |       |
|---------------------|-----------------------|---------|--------------------|-------|-------|-------|-------|-------|-------|-------|
|                     |                       |         | 1150               | 1250  | 1350  | 1450  | 1550  | 1650  | 1750  | 1850  |
| 1 Row Multi Circuit | 1                     | 0.15    | 18.80              | 19.10 | 19.60 | 19.80 | 20.00 | 20.30 | 20.60 | 20.80 |
|                     | 2                     | 0.50    | 25.90              | 26.60 | 27.20 | 27.80 | 28.40 | 28.90 | 29.30 | 29.80 |
|                     | 4                     | 1.76    | 32.00              | 33.00 | 34.00 | 34.90 | 35.80 | 36.60 | 37.30 | 38.10 |
|                     | 6                     | 3.69    | 34.50              | 35.70 | 36.80 | 38.00 | 38.90 | 39.80 | 40.70 | 41.70 |
|                     | Through the Coil, ΔPs |         |                    | 0.15  | 0.18  | 0.20  | 0.23  | 0.25  | 0.28  | 0.31  |
| 2 Row Multi Circuit | 1                     | 0.27    | 31.40              | 32.00 | 32.50 | 33.00 | 33.40 | 33.80 |       |       |
|                     | 2                     | 0.94    | 45.20              | 46.40 | 47.50 | 48.50 | 49.50 | 50.30 |       |       |
|                     | 4                     | 3.27    | 57.20              | 59.20 | 61.10 | 62.90 | 64.50 | 66.00 |       |       |
|                     | 6                     | 6.82    | 62.30              | 64.70 | 67.00 | 69.10 | 71.10 | 73.00 |       |       |
|                     | Through the Coil, ΔPs |         |                    | 0.35  | 0.40  | 0.45  | 0.51  | 0.56  | 0.63  |       |

### Size 40 High Capacity

| Rows                | Coil GPM              | HD loss | Airflow rate (CFM) |       |       |       |       |       |       |       |
|---------------------|-----------------------|---------|--------------------|-------|-------|-------|-------|-------|-------|-------|
|                     |                       |         | 1150               | 1250  | 1350  | 1450  | 1550  | 1650  | 1750  | 1850  |
| 1 Row Multi Circuit | 0.5                   | 0.46    | 14.50              | 14.70 | 14.90 | 14.90 | 15.10 | 15.30 | 15.30 | 15.30 |
|                     | 1                     | 1.59    | 23.60              | 23.90 | 24.40 | 24.70 | 24.90 | 25.30 | 25.60 | 25.70 |
|                     | 2                     | 5.50    | 34.00              | 34.90 | 35.80 | 36.40 | 37.00 | 37.80 | 38.30 | 38.80 |
|                     | 3                     | 11.42   | 39.70              | 40.90 | 42.00 | 43.00 | 44.00 | 44.80 | 45.70 | 46.40 |
|                     | Through the Coil, ΔPs |         |                    | 0.11  | 0.13  | 0.14  | 0.16  | 0.18  | 0.20  | 0.22  |
| 2 Row Multi Circuit | 1                     | 0.34    | 36.20              | 36.70 | 37.20 | 37.60 | 38.10 | 38.50 |       |       |
|                     | 2                     | 1.17    | 54.70              | 56.10 | 57.50 | 58.50 | 59.60 | 60.50 |       |       |
|                     | 4                     | 4.07    | 72.50              | 75.10 | 77.60 | 79.80 | 81.90 | 83.80 |       |       |
|                     | 6                     | 8.48    | 80.50              | 83.80 | 87.00 | 89.80 | 92.50 | 95.10 |       |       |
|                     | Through the Coil, ΔPs |         |                    | 0.25  | 0.29  | 0.32  | 0.36  | 0.41  | 0.45  |       |

For Performance Notes, see end of section.

# PERFORMANCE DATA

## FDV – 1 and 2 Row Hot Water Coil Data

### Size 50 Standard Capacity

| Rows                | Coil GPM              | HD loss | Airflow rate (CFM) |       |       |       |        |        |        |       |
|---------------------|-----------------------|---------|--------------------|-------|-------|-------|--------|--------|--------|-------|
|                     |                       |         | 1550               | 1650  | 1750  | 1850  | 1950   | 2050   | 2150   | 2250  |
| 1 Row Multi Circuit | 1                     | 0.18    | 22.70              | 22.80 | 23.20 | 23.30 | 23.50  | 23.80  | 23.90  | 24.20 |
|                     | 2                     | 0.62    | 32.90              | 33.50 | 34.20 | 34.60 | 35.00  | 35.50  | 35.90  | 36.30 |
|                     | 4                     | 2.16    | 42.70              | 43.70 | 44.60 | 45.50 | 46.30  | 47.10  | 47.90  | 48.70 |
|                     | 6                     | 4.52    | 47.10              | 48.30 | 49.50 | 50.60 | 51.60  | 52.50  | 53.60  | 54.40 |
|                     | Through the Coil, ΔPs |         | 0.14               | 0.15  | 0.17  | 0.19  | 0.20   | 0.22   | 0.24   | 0.26  |
| 2 Row Multi Circuit | 1.5                   | 0.25    | 46.30              | 46.90 | 47.50 | 48.20 | 48.60  | 49.00  | 49.50  |       |
|                     | 3                     | 0.87    | 66.00              | 67.40 | 68.70 | 69.90 | 71.00  | 72.10  | 73.20  |       |
|                     | 6                     | 3.03    | 82.90              | 85.30 | 87.40 | 89.50 | 91.40  | 93.30  | 95.10  |       |
|                     | 9                     | 6.33    | 90.00              | 92.70 | 95.30 | 97.80 | 100.20 | 102.40 | 104.60 |       |
|                     | Through the Coil, ΔPs |         | 0.31               | 0.35  | 0.38  | 0.42  | 0.46   | 0.50   | 0.54   |       |

### Size 50 High Capacity

| Rows                | Coil GPM              | HD loss | Airflow rate (CFM) |        |        |        |        |        |        |       |
|---------------------|-----------------------|---------|--------------------|--------|--------|--------|--------|--------|--------|-------|
|                     |                       |         | 1550               | 1650   | 1750   | 1850   | 1950   | 2050   | 2150   | 2250  |
| 1 Row Multi Circuit | 1                     | 0.20    | 26.20              | 26.50  | 26.80  | 27.00  | 27.20  | 27.40  | 27.60  | 27.80 |
|                     | 2                     | 0.70    | 40.60              | 41.40  | 41.90  | 42.50  | 43.00  | 43.50  | 43.90  | 44.40 |
|                     | 4                     | 2.46    | 55.90              | 57.20  | 58.30  | 59.40  | 60.50  | 61.40  | 62.40  | 63.20 |
|                     | 6                     | 5.13    | 63.50              | 65.20  | 66.70  | 68.10  | 69.50  | 70.80  | 72.10  | 73.20 |
|                     | Through the Coil, ΔPs |         | 0.11               | 0.12   | 0.14   | 0.15   | 0.16   | 0.18   | 0.19   | 0.21  |
| 2 Row Multi Circuit | 1.5                   | 0.29    | 53.20              | 53.90  | 54.50  | 55.20  | 55.60  | 56.00  | 56.50  |       |
|                     | 3                     | 0.98    | 79.90              | 81.60  | 83.20  | 84.50  | 85.80  | 87.00  | 88.20  |       |
|                     | 6                     | 3.43    | 104.90             | 108.00 | 110.90 | 113.50 | 116.10 | 118.40 | 120.80 |       |
|                     | 9                     | 7.14    | 115.90             | 119.80 | 123.50 | 126.80 | 130.00 | 133.20 | 136.00 |       |
|                     | Through the Coil, ΔPs |         | 0.25               | 0.28   | 0.31   | 0.34   | 0.37   | 0.40   | 0.43   |       |

### Size 60 Standard Capacity

| Rows                | Coil GPM              | HD loss | Airflow rate (CFM) |       |       |       |       |       |       |      |
|---------------------|-----------------------|---------|--------------------|-------|-------|-------|-------|-------|-------|------|
|                     |                       |         | 1500               | 1600  | 1700  | 1800  | 1900  | 2100  | 2200  | 650  |
| 1 Row Multi Circuit | 1                     | 0.19    | 21.41              | 21.69 | 21.95 | 22.19 | 22.41 | 22.63 | 22.99 | 9.8  |
|                     | 2                     | 0.66    | 30.80              | 31.38 | 31.93 | 32.44 | 32.92 | 33.36 | 34.20 | 13.6 |
|                     | 4                     | 2.31    | 39.14              | 40.09 | 40.99 | 41.84 | 42.64 | 44.05 | 44.81 | 16.7 |
|                     | 6                     | 4.82    | 43.24              | 44.41 | 45.52 | 46.57 | 47.56 | 48.16 | 50.28 | 18.0 |
|                     | Through the Coil, ΔPs |         | 0.10               | 0.11  | 0.12  | 0.13  | 0.14  | 0.17  | 0.18  | 0.10 |
| 2 Row Multi Circuit | 1.5                   | 0.27    | 43.50              | 44.17 | 44.78 | 45.35 | 45.67 | 46.59 | 47.01 | 22.9 |
|                     | 3                     | 0.93    | 60.94              | 62.36 | 63.68 | 64.91 | 65.59 | 67.66 | 68.61 | 29.1 |
|                     | 6                     | 3.23    | 74.67              | 76.91 | 79.02 | 81.01 | 82.86 | 86.36 | 87.98 | 33.2 |
|                     | 9                     | 6.74    | 80.86              | 83.54 | 86.07 | 88.48 | 90.36 | 94.59 | 96.57 | 35.0 |
|                     | Through the Coil, ΔPs |         | 0.21               | 0.23  | 0.26  | 0.28  | 0.31  | 0.36  | 0.39  | 0.22 |

### Size 60 High Capacity

| Rows                | Coil GPM              | HD loss | Airflow rate (CFM) |       |        |        |        |        |        |      |
|---------------------|-----------------------|---------|--------------------|-------|--------|--------|--------|--------|--------|------|
|                     |                       |         | 1500               | 1600  | 1700   | 1800   | 1900   | 2100   | 2200   | 650  |
| 1 Row Multi Circuit | 1                     | 0.20    | 23.45              | 23.73 | 23.97  | 24.20  | 24.41  | 24.60  | 24.95  | 11.2 |
|                     | 2                     | 0.70    | 35.28              | 35.92 | 36.49  | 37.02  | 37.51  | 37.92  | 38.82  | 16.3 |
|                     | 4                     | 2.46    | 46.81              | 47.94 | 48.96  | 49.92  | 50.83  | 52.40  | 53.26  | 21.1 |
|                     | 6                     | 5.13    | 52.83              | 54.27 | 55.58  | 56.83  | 58.00  | 58.58  | 61.19  | 23.5 |
|                     | Through the Coil, ΔPs |         | 0.11               | 0.12  | 0.13   | 0.14   | 0.16   | 0.19   | 0.20   | 0.07 |
| 2 Row Multi Circuit | 1.5                   | 0.29    | 47.32              | 47.99 | 48.58  | 49.13  | 49.43  | 50.30  | 50.70  | 26.4 |
|                     | 3                     | 0.98    | 69.02              | 70.60 | 72.03  | 73.35  | 74.06  | 76.26  | 77.25  | 35.3 |
|                     | 6                     | 3.43    | 87.30              | 90.01 | 92.50  | 94.84  | 97.01  | 101.07 | 102.95 | 41.6 |
|                     | 9                     | 7.15    | 95.74              | 99.08 | 102.18 | 105.11 | 107.40 | 112.53 | 114.92 | 44.3 |
|                     | Through the Coil, ΔPs |         | 0.24               | 0.26  | 0.29   | 0.32   | 0.35   | 0.41   | 0.44   | 0.16 |

**Performance Notes:**

- Tabulated values are in MBH (thousands of Btu per hour).
- Tables are based on a temperature difference of 105°F (180°F entering water temperature and 75°F entering air temperature). For other temperature differences, multiply MBH values by factors as listed above.
- Minimum air and water flow values are based on ASHRAE recommendations for coil selections. For selections below these tabulated air or water values, please consult your local Price representative.
- Do not select coils for a leaving air temperature above 120 °F.
- HD (Head) loss is in ft of water.
- Through the Coil ΔPs, is the pressure drop in in. of water across the coil.
- Air temperature rise = ATR, ATR (°F) = 927 x MBH/cfm
- Water temperature drop = WTD, WTD (°F) = 2.04 x MBH/gpm
- Values in tables are listed for 0 ft of altitude and no glycol in the system.
- For information outside the ranges used in the table, consult the current Price software or your Price representative for accurate coil information.
- Heating coils used in this unit have performance rated and certified in accordance with the current edition of AHRI Standard 410.
- Connections:  
Single Circuit – 1/2 in. OD male solder  
Multi Circuit – 7/8 in. OD male solder