

| 2-PIPE SYSTEM |                    |              |          |          |                    |          |          |
|---------------|--------------------|--------------|----------|----------|--------------------|----------|----------|
| Model         | 2 Rows Cooling (1) |              |          |          | 2 Rows Heating (1) |          |          |
|               | Total MBH          | Sensible MBH | Flow gpm | PD ft wg | Sensible MBH       | Flow gpm | PD ft wg |
| VBL02         | 4.8                | 4.1          | 0.9      | 0.43     | 16.5               | 1.1      | 0.46     |
| VBL03         | 7.0                | 5.9          | 1.4      | 1.03     | 23.4               | 1.6      | 1.02     |
| VBL04         | 11.5               | 9.0          | 2.3      | 3.54     | 34.6               | 2.4      | 2.87     |
| VBL06         | 14.1               | 12.0         | 2.8      | 1.34     | 47.4               | 3.2      | 1.51     |

| 4-PIPE SYSTEM |                |              |          |          |               |          |          |
|---------------|----------------|--------------|----------|----------|---------------|----------|----------|
| Model         | 2 Rows Cooling |              |          |          | 1 Row Heating |          |          |
|               | Total MBH      | Sensible MBH | Flow gpm | PD ft wg | Sensible MBH  | Flow gpm | PD ft wg |
| VBL02         | 4.6            | 3.9          | 0.9      | 0.40     | 11.1          | 0.8      | 0.79     |
| VBL03         | 6.8            | 5.6          | 1.4      | 0.96     | 15.4          | 1.0      | 1.67     |
| VBL04         | 11.1           | 8.5          | 2.2      | 3.27     | 22.3          | 1.5      | 4.57     |
| VBL06         | 13.6           | 11.4         | 2.7      | 1.25     | 31.0          | 2.1      | 10.00    |

| 2-PIPE SYSTEM |                |              |          |          |                |          |          |
|---------------|----------------|--------------|----------|----------|----------------|----------|----------|
| Model         | 3 Rows Cooling |              |          |          | 3 Rows Heating |          |          |
|               | Total MBH      | Sensible MBH | Flow gpm | PD ft wg | Sensible MBH   | Flow gpm | PD ft wg |
| VBL02         | 6.7            | 5.0          | 1.3      | 1.24     | 20.8           | 1.4      | 1.08     |
| VBL03         | 9.8            | 7.3          | 2.0      | 2.91     | 29.7           | 2.0      | 2.42     |
| VBL04         | 15.3           | 10.9         | 3.1      | 9.05     | 43.3           | 3.0      | 6.61     |
| VBL06         | 19.7           | 14.8         | 3.9      | 3.35     | 60.4           | 4.1      | 3.12     |

| 4-PIPE SYSTEM |                |              |          |          |               |          |          |
|---------------|----------------|--------------|----------|----------|---------------|----------|----------|
| Model         | 3 Rows Cooling |              |          |          | 1 Row Heating |          |          |
|               | Total MBH      | Sensible MBH | Flow gpm | PD ft wg | Sensible MBH  | Flow gpm | PD ft wg |
| VBL02         | 6.4            | 4.7          | 1.3      | 1.13     | 10.6          | 0.7      | 0.74     |
| VBL03         | 9.3            | 6.9          | 1.9      | 2.64     | 14.7          | 1.0      | 1.56     |
| VBL04         | 14.5           | 10.3         | 2.9      | 8.23     | 21.3          | 1.5      | 4.25     |
| VBL06         | 18.8           | 14.0         | 3.8      | 3.05     | 29.7          | 2.0      | 9.38     |

| 2-PIPE SYSTEM |                |              |          |          |                |          |          |
|---------------|----------------|--------------|----------|----------|----------------|----------|----------|
| Model         | 4 Rows Cooling |              |          |          | 4 Rows Heating |          |          |
|               | Total MBH      | Sensible MBH | Flow gpm | PD ft wg | Sensible MBH   | Flow gpm | PD ft wg |
| VBL02         | 7.8            | 5.4          | 1.6      | 2.23     | 22.4           | 1.5      | 1.66     |
| VBL03         | 11.4           | 8.0          | 2.3      | 5.20     | 32.2           | 2.2      | 3.76     |
| VBL04         | 15.7           | 11.0         | 3.1      | 2.35     | 45.4           | 3.1      | 1.96     |
| VBL06         | 23.1           | 16.2         | 4.6      | 5.61     | 65.6           | 4.5      | 4.48     |

1. Standard basic unit
2. All ratings are based at sea level altitude, nominal air volumes at 0 external static pressure and with water as the cooling fluid
3. Cooling capacities are based on 80°F DB/67°F WB entering air, 45°F entering water, 10°F water temperature rise and high fan speed
4. Heating capacities are based on 70°F DB entering air temperature, 180°F entering hot water, 30°F water temperature drop and high fan speed

| Nominal Air Volumes |         |     |     |
|---------------------|---------|-----|-----|
| Model               | cfm (1) |     |     |
|                     | High    | Med | Low |
| VBL02               | 241     | 171 | 123 |
| VBL03               | 353     | 235 | 182 |
| VBL04               | 492     | 364 | 268 |
| VBL06               | 728     | 567 | 396 |

1. Nominal air volume ratings are based on a 2-row coil at sea level altitude with 0 external static pressure

| Model | Motor |            |
|-------|-------|------------|
|       | HP    | Total AMPS |
| VBL02 | 1/30  | 0.5        |
| VBL03 | 1/30  | 0.5        |
| VBL04 | 1/20  | 0.8        |
| VBL06 | 1/20  | 0.8        |

1. Electric ratings are based on units suitable for a power supply of 115V/1Ph/60Hz