



Coil Performance Data



CEILING  
CASSETTE

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC Total Heating Capacity(BTU/hr) |              |              |                |                | PI Power Input(kW)       |              |              |                |                |
|------------------|-------------------|-----------------------------------|--------------|--------------|----------------|----------------|--------------------------|--------------|--------------|----------------|----------------|
|                  |                   | Indoor Conditions(DB °F)          |              |              |                |                | Indoor Conditions(DB °F) |              |              |                |                |
|                  |                   | 60.8°F(16.0°C)                    | 68°F(20.0°C) | 70°F(21.1°C) | 71.6°F(22.0°C) | 75.2°F(24.0°C) | 60.8°F(16.0°C)           | 68°F(20.0°C) | 70°F(21.1°C) | 71.6°F(22.0°C) | 75.2°F(24.0°C) |
| 800              | -22°F(-30.0°C)    | /                                 | /            | /            | /              | /              | /                        | /            | /            | /              | /              |
|                  | -13°F(-25.0°C)    | 21332                             | 20905        | 20801        | 20546          | 20361          | 4.48                     | 4.52         | 4.53         | 4.53           | 4.55           |
|                  | -4°F(-20.0°C)     | 27065                             | 26524        | 26391        | 26068          | 25834          | 4.99                     | 5.03         | 5.04         | 5.05           | 5.07           |
|                  | 0°F(-17.8°C)      | 30213                             | 29609        | 29461        | 29100          | 28838          | 5.18                     | 5.22         | 5.23         | 5.24           | 5.26           |
|                  | 5°F(-15.0°C)      | 34148                             | 33465        | 33297        | 32890          | 32594          | 5.40                     | 5.45         | 5.46         | 5.47           | 5.49           |
|                  | 14°F(-10.0°C)     | 36740                             | 36005        | 35825        | 35387          | 35069          | 5.79                     | 5.84         | 5.85         | 5.86           | 5.89           |
|                  | 17°F(-8.3°C)      | 37604                             | 36852        | 36668        | 36220          | 35894          | 5.92                     | 5.97         | 5.98         | 5.99           | 6.02           |
|                  | 22°F(-5.6°C)      | 38264                             | 37499        | 37311        | 36855          | 36523          | 5.82                     | 5.86         | 5.88         | 5.89           | 5.91           |
|                  | 27°F(-2.8°C)      | 38924                             | 38145        | 37955        | 37490          | 37153          | 5.71                     | 5.76         | 5.77         | 5.78           | 5.80           |
|                  | 32°F(-0.0°C)      | 39583                             | 38792        | 38598        | 38126          | 37783          | 5.60                     | 5.65         | 5.66         | 5.67           | 5.69           |
|                  | 35°F(1.7°C)       | 39979                             | 39180        | 38984        | 38507          | 38161          | 5.54                     | 5.58         | 5.60         | 5.61           | 5.63           |
|                  | 37°F(2.8°C)       | 42029                             | 41188        | 40982        | 40481          | 40117          | 5.57                     | 5.61         | 5.62         | 5.63           | 5.66           |
|                  | 42°F(5.6°C)       | 47152                             | 46209        | 45978        | 45416          | 45007          | 5.64                     | 5.68         | 5.69         | 5.70           | 5.73           |
|                  | 44.6°F(7.0°C)     | 49201                             | 48217        | 47976        | 47390          | 46963          | 5.66                     | 5.71         | 5.72         | 5.73           | 5.76           |
|                  | 47°F(8.3°C)       | 52275                             | 51230        | 50974        | 50350          | 49897          | 5.71                     | 5.75         | 5.76         | 5.78           | 5.80           |
|                  | 52°F(11.1°C)      | 50274                             | 49269        | 49022        | 48423          | 47987          | 5.03                     | 5.07         | 5.08         | 5.09           | 5.11           |
|                  | 57°F(13.9°C)      | 48273                             | 47307        | 47071        | 46495          | 46077          | 4.35                     | 4.39         | 4.39         | 4.40           | 4.42           |
|                  | 59°F(15.0°C)      | 47472                             | 46523        | 46290        | 45724          | 45313          | 4.08                     | 4.11         | 4.12         | 4.13           | 4.15           |
|                  | 62°F(16.7°C)      | 46272                             | 45346        | 45119        | 44568          | 44167          | 3.67                     | 3.70         | 3.71         | 3.72           | 3.73           |
|                  | 64.4°F(18.0°C )   | 45471                             | 44562        | 44339        | 43797          | 43403          | 3.40                     | 3.43         | 3.44         | 3.44           | 3.46           |
|                  | -22°F(-30.0°C)    | /                                 | /            | /            | /              | /              | /                        | /            | /            | /              | /              |
|                  | -13°F(-25.0°C)    | 22771                             | 22315        | 22204        | 22023          | 21825          | 4.53                     | 4.56         | 4.57         | 4.58           | 4.60           |
|                  | -4°F(-20.0°C)     | 28891                             | 28313        | 28171        | 27943          | 27691          | 5.04                     | 5.08         | 5.09         | 5.10           | 5.13           |
|                  | 0°F(-17.8°C)      | 32251                             | 31606        | 31448        | 31192          | 30912          | 5.23                     | 5.27         | 5.28         | 5.29           | 5.31           |
|                  | 5°F(-15.0°C)      | 36451                             | 35722        | 35543        | 35255          | 34937          | 5.46                     | 5.50         | 5.51         | 5.52           | 5.55           |
|                  | 14°F(-10.0°C)     | 39218                             | 38434        | 38242        | 37931          | 37590          | 5.85                     | 5.90         | 5.91         | 5.92           | 5.95           |

|      |                 |       |       |       |       |       |      |      |      |      |      |
|------|-----------------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1018 | 17°F(-8.3°C)    | 40141 | 39338 | 39141 | 38824 | 38474 | 5.98 | 6.03 | 6.04 | 6.06 | 6.08 |
|      | 22°F(-5.6°C)    | 40845 | 40028 | 39828 | 39505 | 39149 | 5.88 | 5.92 | 5.93 | 5.95 | 5.97 |
|      | 27°F(-2.8°C)    | 41549 | 40718 | 40515 | 40186 | 39824 | 5.77 | 5.81 | 5.83 | 5.84 | 5.86 |
|      | 32°F(-0.0°C)    | 42253 | 41408 | 41201 | 40867 | 40499 | 5.66 | 5.71 | 5.72 | 5.73 | 5.75 |
|      | 35°F(1.7°C)     | 42676 | 41822 | 41613 | 41275 | 40904 | 5.60 | 5.64 | 5.65 | 5.66 | 5.69 |
|      | 37°F(2.8°C)     | 44864 | 43966 | 43746 | 43391 | 43001 | 5.62 | 5.67 | 5.68 | 5.69 | 5.71 |
|      | 42°F(5.6°C)     | 50332 | 49326 | 49079 | 48681 | 48242 | 5.69 | 5.74 | 5.75 | 5.76 | 5.79 |
|      | 44.6°F(7.0°C)   | 52520 | 51470 | 51212 | 50796 | 50339 | 5.72 | 5.77 | 5.78 | 5.79 | 5.81 |
|      | 47°F(8.3°C)     | 55801 | 54685 | 54412 | 53970 | 53484 | 5.76 | 5.81 | 5.82 | 5.83 | 5.86 |
|      | 52°F(11.1°C)    | 53665 | 52592 | 52329 | 51904 | 51437 | 5.08 | 5.12 | 5.13 | 5.14 | 5.16 |
|      | 57°F(13.9°C)    | 51529 | 50498 | 50246 | 49838 | 49389 | 4.39 | 4.43 | 4.44 | 4.45 | 4.47 |
|      | 59°F(15.0°C)    | 50674 | 49661 | 49413 | 49011 | 48570 | 4.12 | 4.15 | 4.16 | 4.17 | 4.19 |
|      | 62°F(16.7°C)    | 49393 | 48405 | 48163 | 47772 | 47342 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
|      | 64.4°F(18.0°C ) | 48538 | 47568 | 47330 | 46945 | 46523 | 3.44 | 3.46 | 3.47 | 3.48 | 3.49 |
| 1124 | -22°F(-30.0°C)  | /     | /     | /     | /     | /     | /    | /    | /    | /    | /    |
|      | -13°F(-25.0°C)  | 24307 | 23820 | 23701 | 23606 | 23394 | 4.57 | 4.61 | 4.62 | 4.63 | 4.64 |
|      | -4°F(-20.0°C)   | 30839 | 30223 | 30072 | 29951 | 29682 | 5.09 | 5.14 | 5.15 | 5.16 | 5.18 |
|      | 0°F(-17.8°C)    | 34426 | 33738 | 33569 | 33435 | 33134 | 5.28 | 5.32 | 5.33 | 5.34 | 5.37 |
|      | 5°F(-15.0°C)    | 38910 | 38131 | 37941 | 37789 | 37449 | 5.51 | 5.56 | 5.57 | 5.58 | 5.60 |
|      | 14°F(-10.0°C)   | 41864 | 41027 | 40821 | 40658 | 40292 | 5.91 | 5.96 | 5.97 | 5.98 | 6.01 |
|      | 17°F(-8.3°C)    | 42849 | 41992 | 41782 | 41615 | 41240 | 6.04 | 6.09 | 6.10 | 6.12 | 6.14 |
|      | 22°F(-5.6°C)    | 43600 | 42728 | 42515 | 42345 | 41963 | 5.93 | 5.98 | 5.99 | 6.01 | 6.03 |
|      | 27°F(-2.8°C)    | 44352 | 43465 | 43248 | 43075 | 42687 | 5.83 | 5.87 | 5.88 | 5.90 | 5.92 |
|      | 32°F(-0.0°C)    | 45104 | 44202 | 43981 | 43805 | 43410 | 5.72 | 5.76 | 5.77 | 5.79 | 5.81 |
|      | 35°F(1.7°C)     | 45555 | 44644 | 44420 | 44243 | 43844 | 5.65 | 5.70 | 5.71 | 5.72 | 5.74 |
|      | 37°F(2.8°C)     | 47890 | 46932 | 46697 | 46510 | 46092 | 5.68 | 5.73 | 5.74 | 5.75 | 5.77 |
|      | 42°F(5.6°C)     | 53728 | 52653 | 52390 | 52180 | 51711 | 5.75 | 5.80 | 5.81 | 5.82 | 5.84 |
|      | 44.6°F(7.0°C)   | 56063 | 54941 | 54667 | 54448 | 53958 | 5.78 | 5.83 | 5.84 | 5.85 | 5.87 |
|      | 47°F(8.3°C)     | 59565 | 58374 | 58082 | 57850 | 57329 | 5.82 | 5.87 | 5.88 | 5.89 | 5.92 |
|      | 52°F(11.1°C)    | 57285 | 56139 | 55859 | 55635 | 55135 | 5.13 | 5.17 | 5.18 | 5.19 | 5.21 |
|      | 57°F(13.9°C)    | 55005 | 53905 | 53635 | 53421 | 52940 | 4.44 | 4.47 | 4.48 | 4.49 | 4.51 |

|      |                     |       |       |        |       |       |      |      |      |      |      |
|------|---------------------|-------|-------|--------|-------|-------|------|------|------|------|------|
|      | 59°F(15.0°C)        | 54093 | 53011 | 52746  | 52535 | 52062 | 4.16 | 4.20 | 4.20 | 4.21 | 4.23 |
|      | 62°F(16.7°C)        | 52724 | 51670 | 51412  | 51206 | 50745 | 3.75 | 3.78 | 3.79 | 3.79 | 3.81 |
|      | 64.4°F(18.0°C)<br>) | 51812 | 50776 | 50522  | 50320 | 49867 | 3.47 | 3.50 | 3.51 | 3.51 | 3.53 |
| 1235 | -22°F(-30.0°C)      | /     | /     | /      | /     | /     | /    | /    | /    | /    | /    |
|      | -13°F(-25.0°C)      | 25946 | 25427 | 25 300 | 25199 | 24972 | 4.62 | 4.65 | 4.66 | 4.67 | 4.69 |
|      | -4°F(-20.0°C)       | 32920 | 32261 | 32 100 | 31972 | 31684 | 5.15 | 5.19 | 5.20 | 5.21 | 5.23 |
|      | 0°F(-17.8°C)        | 36748 | 36013 | 35833  | 35690 | 35369 | 5.33 | 5.38 | 5.39 | 5.40 | 5.42 |
|      | 5°F(-15.0°C)        | 41534 | 40704 | 40 500 | 40338 | 39975 | 5.57 | 5.61 | 5.63 | 5.64 | 5.66 |
|      | 14°F(-10.0°C)       | 44688 | 43794 | 43575  | 43401 | 43010 | 5.97 | 6.02 | 6.03 | 6.04 | 6.07 |
|      | 17°F(-8.3°C)        | 45739 | 44824 | 44 600 | 44422 | 44022 | 6.10 | 6.15 | 6.17 | 6.18 | 6.20 |
|      | 22°F(-5.6°C)        | 46541 | 45610 | 45382  | 45201 | 44794 | 5.99 | 6.04 | 6.05 | 6.07 | 6.09 |
|      | 27°F(-2.8°C)        | 47344 | 46397 | 46165  | 45980 | 45566 | 5.88 | 5.93 | 5.94 | 5.96 | 5.98 |
|      | 32°F(-0.0°C)        | 48146 | 47183 | 46947  | 46759 | 46339 | 5.77 | 5.82 | 5.83 | 5.84 | 5.87 |
|      | 35°F(1.7°C)         | 48627 | 47655 | 47 417 | 47227 | 46802 | 5.71 | 5.75 | 5.77 | 5.78 | 5.80 |
|      | 37°F(2.8°C)         | 51120 | 50098 | 49847  | 49648 | 49201 | 5.74 | 5.78 | 5.80 | 5.81 | 5.83 |
|      | 42°F(5.6°C)         | 57352 | 56205 | 55924  | 55700 | 55199 | 5.81 | 5.86 | 5.87 | 5.88 | 5.90 |
|      | 44.6°F(7.0°C)       | 59844 | 58647 | 58354  | 58121 | 57598 | 5.84 | 5.88 | 5.90 | 5.91 | 5.93 |
|      | 47°F(8.3°C)         | 63583 | 62312 | 62 000 | 61752 | 61196 | 5.88 | 5.93 | 5.94 | 5.95 | 5.98 |
|      | 52°F(11.1°C)        | 61149 | 59926 | 59626  | 59388 | 58853 | 5.18 | 5.22 | 5.23 | 5.24 | 5.27 |
|      | 57°F(13.9°C)        | 58715 | 57541 | 57253  | 57024 | 56511 | 4.48 | 4.52 | 4.53 | 4.54 | 4.56 |
|      | 59°F(15.0°C)        | 57741 | 56587 | 56304  | 56078 | 55574 | 4.20 | 4.24 | 4.25 | 4.26 | 4.27 |
|      | 62°F(16.7°C)        | 56281 | 55155 | 54879  | 54660 | 54168 | 3.79 | 3.82 | 3.82 | 3.83 | 3.85 |
|      | 64.4°F(18.0°C)<br>) | 55307 | 54201 | 53 930 | 53714 | 53231 | 3.51 | 3.53 | 3.54 | 3.55 | 3.56 |

The data highlighted in green are tested, other data are simulated and for reference only