

# GBT 19 x 20 Hot Water Coil

Fin Height x Fin Length	19.0 In. x 20.0 In.
Number of Tubes	19
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	2.64 Square Feet
Approx Weight of Coil	15.24 lbs.
Number of Circuits	9

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN, WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallons	Water Pressure Drop in FT/HD	Liquid Velocity FPS	Total BTU BTU/HR
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## 40°F Entering Water Temperature (Drain pan not included)

<b>1050</b>	<b>80°F</b>	<b>58.7°F</b>	<b>398</b>	<b>0.228</b>	<b>40°F</b>	<b>48°F</b>	<b>9</b>	<b>2.78</b>	<b>3.04</b>	<b>36,094</b>
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## 110°F Entering Water Temperature

<b>1600</b>	<b>60°F</b>	<b>83.10°F</b>	<b>606.32</b>	<b>0.26</b>	<b>110°F</b>	<b>93.89°F</b>	<b>5</b>	<b>0.78</b>	<b>1.69</b>	<b>39,949</b>
<b>1600</b>	<b>60°F</b>	<b>84.98°F</b>	<b>606.32</b>	<b>0.26</b>	<b>110°F</b>	<b>97.55°F</b>	<b>7</b>	<b>1.41</b>	<b>2.36</b>	<b>43,206</b>
<b>1600</b>	<b>60°F</b>	<b>86.16°F</b>	<b>606.32</b>	<b>0.26</b>	<b>110°F</b>	<b>99.86°F</b>	<b>9</b>	<b>2.21</b>	<b>3.04</b>	<b>45,239</b>

## 140°F Entering Water Temperature

<b>1,000</b>	<b>60°F</b>	<b>106.61°F</b>	<b>378.95</b>	<b>0.114</b>	<b>140°F</b>	<b>119.52°F</b>	<b>5</b>	<b>0.727</b>	<b>1.69</b>	<b>50,387</b>
<b>1,000</b>	<b>60°F</b>	<b>109.15°F</b>	<b>378.95</b>	<b>0.114</b>	<b>140°F</b>	<b>124.58°F</b>	<b>7</b>	<b>1.32</b>	<b>2.36</b>	<b>53,130</b>
<b>1,000</b>	<b>60°F</b>	<b>110.66°F</b>	<b>378.95</b>	<b>0.114</b>	<b>140°F</b>	<b>127.64°F</b>	<b>9</b>	<b>2.06</b>	<b>3.04</b>	<b>54,766</b>
<b>1,300</b>	<b>60°F</b>	<b>101.55°F</b>	<b>492.63</b>	<b>0.182</b>	<b>140°F</b>	<b>116.27°F</b>	<b>5</b>	<b>0.727</b>	<b>1.69</b>	<b>58,391</b>
<b>1,300</b>	<b>60°F</b>	<b>104.35°F</b>	<b>492.63</b>	<b>0.182</b>	<b>140°F</b>	<b>121.91°F</b>	<b>7</b>	<b>1.32</b>	<b>2.36</b>	<b>62,323</b>
<b>1,300</b>	<b>60°F</b>	<b>106.05°F</b>	<b>492.63</b>	<b>0.182</b>	<b>140°F</b>	<b>125.39°F</b>	<b>9</b>	<b>2.06</b>	<b>3.04</b>	<b>64,712</b>
<b>1,500</b>	<b>60°F</b>	<b>98.80°F</b>	<b>568.42</b>	<b>0.235</b>	<b>140°F</b>	<b>114.43°F</b>	<b>5</b>	<b>0.727</b>	<b>1.69</b>	<b>62,912</b>
<b>1,500</b>	<b>60°F</b>	<b>101.71°F</b>	<b>568.42</b>	<b>0.235</b>	<b>140°F</b>	<b>120.37°F</b>	<b>7</b>	<b>1.32</b>	<b>2.36</b>	<b>67,629</b>
<b>1,500</b>	<b>60°F</b>	<b>103.50°F</b>	<b>568.42</b>	<b>0.235</b>	<b>140°F</b>	<b>124.08°F</b>	<b>9</b>	<b>2.06</b>	<b>3.04</b>	<b>70,529</b>

## 180°F Entering Water Temperature

<b>1,000</b>	<b>60°F</b>	<b>130.78°F</b>	<b>378.95</b>	<b>0.114</b>	<b>180°F</b>	<b>148.49°F</b>	<b>5</b>	<b>0.67</b>	<b>1.69</b>	<b>76,515</b>
<b>1,000</b>	<b>60°F</b>	<b>134.46°F</b>	<b>378.95</b>	<b>0.114</b>	<b>180°F</b>	<b>156.33°F</b>	<b>7</b>	<b>1.22</b>	<b>2.36</b>	<b>80,487</b>
<b>1,000</b>	<b>60°F</b>	<b>136.63°F</b>	<b>378.95</b>	<b>0.114</b>	<b>180°F</b>	<b>161.05°F</b>	<b>9</b>	<b>1.90</b>	<b>3.04</b>	<b>82,834</b>
<b>1,300</b>	<b>60°F</b>	<b>123.23°F</b>	<b>492.63</b>	<b>0.182</b>	<b>180°F</b>	<b>143.41°F</b>	<b>5</b>	<b>0.67</b>	<b>1.69</b>	<b>88,849</b>
<b>1,300</b>	<b>60°F</b>	<b>127.31°F</b>	<b>492.63</b>	<b>0.182</b>	<b>180°F</b>	<b>152.18°F</b>	<b>7</b>	<b>1.22</b>	<b>2.36</b>	<b>94,588</b>
<b>1,300</b>	<b>60°F</b>	<b>129.77°F</b>	<b>492.63</b>	<b>0.182</b>	<b>180°F</b>	<b>157.57°F</b>	<b>9</b>	<b>1.90</b>	<b>3.04</b>	<b>98,041</b>
<b>1,500</b>	<b>60°F</b>	<b>119.10°F</b>	<b>568.42</b>	<b>0.235</b>	<b>180°F</b>	<b>140.54°F</b>	<b>5</b>	<b>0.67</b>	<b>1.69</b>	<b>95,832</b>
<b>1,500</b>	<b>60°F</b>	<b>123.37°F</b>	<b>568.42</b>	<b>0.235</b>	<b>180°F</b>	<b>149.78°F</b>	<b>7</b>	<b>1.22</b>	<b>2.36</b>	<b>102,749</b>
<b>1,500</b>	<b>60°F</b>	<b>125.96°F</b>	<b>568.42</b>	<b>0.235</b>	<b>180°F</b>	<b>155.53°F</b>	<b>9</b>	<b>1.90</b>	<b>3.04</b>	<b>106,956</b>
<b>2,100</b>	<b>60°F</b>	<b>121.47°F</b>	<b>795.79</b>	<b>0.426</b>	<b>180°F</b>	<b>160.85°F</b>	<b>15</b>	<b>4.69</b>	<b>5.06</b>	<b>139,551</b>