

## PERFORMANCE DATA | COOLING COIL

UNIT SIZE	ROWS	GPM	HEAD LOSS	COOLING COIL AIRFLOW, CFM & RESULTING SENSIBLE MBH								
				150	225	300	375	450	525	600	675	750
1 & 2	2	1.0	0.15	-1.8	-2.3	-2.7	-3.0	-3.2	-3.4	-3.6	-3.7	-3.8
		2.0	0.50	-2.0	-2.7	-3.2	-3.6	-4.0	-4.3	-4.6	-4.8	-5.0
		4.0	1.02	-2.1	-2.8	-3.4	-3.9	-4.3	-4.7	-5.1	-5.4	-5.6
		6.0	1.69	-2.1	-2.9	-3.5	-4.1	-4.5	-5.0	-5.3	-5.7	-6.0
		<b>AIR PRESSURE DROP</b>		<b>0.01</b>	<b>0.01</b>	<b>0.02</b>	<b>0.04</b>	<b>0.05</b>	<b>0.06</b>	<b>0.08</b>	<b>0.10</b>	<b>0.12</b>
	4	1.0	0.29	-2.5	-3.4	-4.0	-4.5	-4.9	-5.2	-5.4	-5.6	-5.8
		2.0	0.99	-2.6	-3.7	-4.6	-5.4	-6.0	-6.6	-7.1	-7.5	-7.9
		4.0	3.39	-2.7	-3.9	-4.9	-5.9	-6.7	-7.5	-8.2	-8.8	-9.4
		6.0	6.95	-2.7	-3.9	-5.0	-6.0	-7.0	-7.8	-8.6	-9.4	-10.0
		<b>AIR PRESSURE DROP</b>		<b>0.01</b>	<b>0.03</b>	<b>0.05</b>	<b>0.07</b>	<b>0.09</b>	<b>0.12</b>	<b>0.16</b>	<b>0.19</b>	<b>0.23</b>
	6	1.0	0.44	-2.7	-3.8	-4.6	-5.2	-5.7	-6.1	-6.4	-6.6	-6.8
		2.0	1.49	-2.8	-4.0	-5.2	-6.1	-7.0	-7.7	-8.4	-8.9	-9.4
4.0		5.08	-2.8	-4.1	-5.4	-6.5	-7.6	-8.6	-9.5	-10.4	-11.2	
6.0		10.42	-2.8	-4.2	-5.4	-6.7	-7.8	-8.9	-9.9	-10.9	-11.8	
<b>AIR PRESSURE DROP</b>		<b>0.02</b>	<b>0.04</b>	<b>0.07</b>	<b>0.10</b>	<b>0.14</b>	<b>0.18</b>	<b>0.23</b>	<b>0.29</b>	<b>0.35</b>		

  

UNIT SIZE	ROWS	GPM	HEAD LOSS	COOLING COIL AIRFLOW, CFM & RESULTING SENSIBLE MBH								
				300	375	450	525	600	675	750	825	900
3	2	1.0	0.18	-2.9	-3.2	-3.4	-3.6	-3.8	-4.0	-4.1	-4.2	-4.3
		2.0	0.60	-3.4	-3.8	-4.2	-4.6	-4.9	-5.2	-5.4	-5.6	-5.8
		4.0	1.23	-3.6	-4.1	-4.6	-5.0	-5.4	-5.7	-6.0	-6.3	-6.6
		6.0	2.05	-3.7	-4.3	-4.8	-5.3	-5.7	-6.1	-6.4	-6.7	-7.0
		<b>AIR PRESSURE DROP</b>		<b>0.02</b>	<b>0.03</b>	<b>0.04</b>	<b>0.05</b>	<b>0.06</b>	<b>0.08</b>	<b>0.09</b>	<b>0.11</b>	<b>0.13</b>
	4	1.0	0.34	-4.1	-4.6	-5.0	-5.3	-5.6	-5.8	-6.0	-6.1	-6.3
		2.0	1.18	-4.7	-5.5	-6.2	-6.8	-7.3	-7.7	-8.1	-8.5	-8.8
		4.0	4.02	-5.0	-5.9	-6.8	-7.6	-8.4	-9.0	-9.7	-10.2	-10.8
		6.0	8.25	-5.0	-6.1	-7.0	-7.9	-8.8	-9.5	-10.3	-10.9	-11.6
		<b>AIR PRESSURE DROP</b>		<b>0.03</b>	<b>0.05</b>	<b>0.07</b>	<b>0.09</b>	<b>0.12</b>	<b>0.15</b>	<b>0.18</b>	<b>0.21</b>	<b>0.25</b>
	6	1.0	0.51	-4.6	-5.3	-5.8	-6.2	-6.5	-6.7	-6.9	-7.0	-7.2
		2.0	1.76	-5.2	-6.2	-7.1	-7.8	-8.5	-9.1	-9.6	-10.1	-10.5
4.0		6.00	-5.3	-6.5	-7.6	-8.7	-9.6	-10.5	-11.3	-12.1	-12.8	
6.0		12.30	-5.4	-6.6	-7.8	-8.9	-10.0	-11.0	-11.9	-12.8	-13.6	
<b>AIR PRESSURE DROP</b>		<b>0.05</b>	<b>0.08</b>	<b>0.11</b>	<b>0.14</b>	<b>0.18</b>	<b>0.22</b>	<b>0.26</b>	<b>0.31</b>	<b>0.36</b>		

  

UNIT SIZE	ROWS	GPM	HEAD LOSS	COOLING COIL AIRFLOW, CFM & RESULTING SENSIBLE MBH								
				450	550	650	750	850	950	1050	1150	1250
5	2	1.0	0.3	-4.3	-4.7	-5.0	-5.2	-5.4	-5.4	-5.6	-5.7	-5.8
		2.0	0.9	-5.3	-5.9	-6.4	-6.9	-7.3	-7.4	-7.7	-8.0	-8.2
		3.0	1.9	-5.6	-6.4	-7.1	-7.6	-8.2	-8.3	-8.8	-9.1	-9.5
		4.0	3.2	-5.8	-6.7	-7.4	-8.1	-8.7	-8.9	-9.4	-9.8	-10.2
		<b>AIR PRESSURE DROP</b>		<b>0.01</b>	<b>0.02</b>	<b>0.03</b>	<b>0.04</b>	<b>0.05</b>	<b>0.06</b>	<b>0.07</b>	<b>0.08</b>	<b>0.09</b>
	4	1.0	0.5	-5.9	-6.4	-6.8	-7.1	-7.3	-7.5	-7.6	-7.7	-7.8
		2.0	1.8	-7.1	-8.1	-8.9	-9.6	-10.2	-10.8	-11.2	-11.6	-12.0
		3.0	3.6	-7.4	-8.6	-9.7	-10.6	-11.5	-12.3	-12.9	-13.5	-14.1
		4.0	6.0	-7.6	-8.9	-10.1	-11.2	-12.2	-13.1	-13.9	-14.7	-15.4
		<b>AIR PRESSURE DROP</b>		<b>0.03</b>	<b>0.04</b>	<b>0.06</b>	<b>0.07</b>	<b>0.09</b>	<b>0.11</b>	<b>0.13</b>	<b>0.15</b>	<b>0.18</b>
	6	1.0	0.4	-6.3	-6.9	-7.3	-7.5	-7.7	-7.9	-8.0	-8.1	-8.2
		2.0	1.5	-7.7	-8.9	-9.9	-10.7	-11.4	-12.0	-12.5	-13.0	-13.3
4.0		5.1	-8.1	-9.7	-11.1	-12.5	-13.7	-14.8	-15.8	-16.7	-17.6	
6.0		10.5	-8.2	-9.9	-11.5	-13.0	-14.4	-15.7	-16.9	-18.1	-19.2	
<b>AIR PRESSURE DROP</b>		<b>0.04</b>	<b>0.06</b>	<b>0.08</b>	<b>0.11</b>	<b>0.13</b>	<b>0.16</b>	<b>0.19</b>	<b>0.23</b>	<b>0.26</b>		

NOTES: All data is based on 75°F entering air, 57°F entering water, at an altitude of 0 ft. Program calculations assume 0% glycol. Water temperature of must be above dew point throughout the building to prevent condensation on coil. Typical entering water temperature for cooling coil ranges from 55°F to 62°F.

The MBH values listed above is the sensible MBH for the CFM that is induced through the cooling coil. The latent MBH is provided by the primary air and is added to the sensible MBH to create the Total Cooling MBH.