

PERFORMANCE DATA

Imperial

24 in. x 48 in.

$(T_{\text{Room}} - \text{MWT})$ (°F)	Capacity (BTU/hr)
14	317
16	370
18	424
20	479

Based on 2°F water temperature drop.

24 in. x 72 in.

$(T_{\text{Room}} - \text{MWT})$ (°F)	Capacity (BTU/hr)
10	322
12	398
14	476
16	555
18	636
20	719

Based on 2°F water temperature drop.

24 in. x 96 in.

$(T_{\text{Room}} - \text{MWT})$ (°F)	Capacity (BTU/hr)
14	635
16	740
18	848
20	959

Based on 4°F water temperature drop.

24 in. x 60 in.

$(T_{\text{Room}} - \text{MWT})$ (°F)	Capacity (BTU/hr)
12	332
14	397
16	463
18	530
20	599

Based on 2°F water temperature drop.

24 in. x 84 in.

$(T_{\text{Room}} - \text{MWT})$ (°F)	Capacity (BTU/hr)
14	555
16	645
18	735
20	825

Based on 2°F water temperature drop.

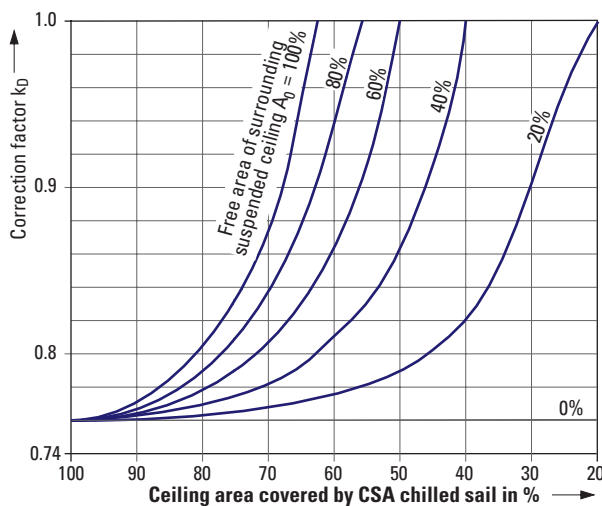
48 in. x 48 in.

$(T_{\text{Room}} - \text{MWT})$ (°F)	Capacity (BTU/hr)
14	635
16	738
18	841
20	944

Based on 4°F water temperature drop.

Performance Notes:

- $T_{\text{Room}} - \text{MWT}$ is the difference in temperature between the Room air temperature and the average water temperature. The average water temperature is calculated as follows $(\text{LWT} + \text{EWT})/2$. Units are °F.
- Chilled water flow rate is in USGPM.
- Capacity is in BTU per hour.
- Capacity is based on panel being installed with no suspended false ceiling.
- Capacity is based on occupation density of 50%. Occupation density refers to percentage of ceiling covered by chilled panels. Contact Price Application Engineering for occupation densities other than 50%.



Correction factor k_D for the influence of the free area (A_0) of the surrounding ceiling and the covered area on the cooling output (applies to metal ceilings with thickness 's' < .04 in. (1 mm).

Clearance h in in. (mm) Correction factor k_A

$h \geq 5$ (125) 1.00

4 (100) $\leq h < 5$ (125) 0.95

2 (50) $\leq h < 4$ (100) 0.86

Correction factor k_A for the influence of the clearance between the concrete ceiling and the top side of the CSA chilled sail.

PERFORMANCE DATA

Metric

600 mm x 1200 mm

$(T_{\text{Room}} - \text{MWT})$ (°C)	Capacity (W)
7.8	93
8.9	108
10.0	124
11.1	140

Based on 1.1°C water temperature drop.

600 mm x 1500 mm

$(T_{\text{Room}} - \text{MWT})$ (°C)	Capacity (W)
6.7	97
7.8	116
8.9	136
10.0	155
11.1	176

Based on 1.1°C water temperature drop.

600 mm x 1800 mm

$(T_{\text{Room}} - \text{MWT})$ (°C)	Capacity (W)
5.6	94
6.7	117
7.8	140
8.9	163
10.0	186
11.1	211

Based on 1.1°C water temperature drop.

600 mm x 2100 mm

$(T_{\text{Room}} - \text{MWT})$ (°C)	Capacity (W)
7.8	163
8.9	189
10.0	215
11.1	242

Based on 1.1°C water temperature drop.

600 mm x 2400 mm

$(T_{\text{Room}} - \text{MWT})$ (°C)	Capacity (W)
7.8	186
8.9	217
10.0	249
11.1	281

Based on 2.2°C water temperature drop.

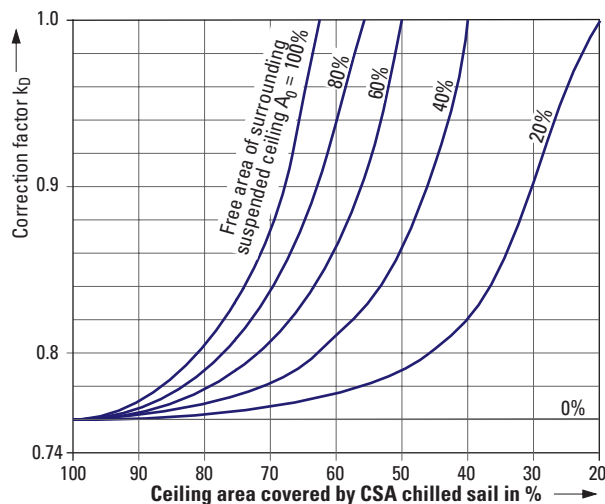
1200 mm x 1200 mm

$(T_{\text{Room}} - \text{MWT})$ (°C)	Capacity (W)
7.8	186
8.9	216
10.0	246
11.1	277

Based on 2.2°C water temperature drop.

Performance Notes:

- $T_{\text{Room}} - \text{MWT}$ is the difference in temperature between the Room air temperature and the average water temperature. The average water temperature is calculated as follows $(\text{LWT} + \text{EWT})/2$. Units are °C.
- Chilled water flow rate is in liters per minute (lpm).
- Capacity is in Watts (W).
- Capacity is based on panel being installed with no suspended false ceiling.
- Capacity is based on occupation density of 50%. Occupation density refers to percentage of ceiling covered by chilled panels. Contact Price Application Engineering for occupation densities other than 50%.



Correction factor k_D for the influence of the free area (A_D) of the surrounding ceiling and the covered area on the cooling output (applies to metal ceilings with thickness 's' < .04 in. (1 mm).

Clearance h in in. (mm) Correction factor k_A

- $h \geq 5$ (125) 1.00
- 4 (100) $\leq h < 5$ (125) 0.95
- 2 (50) $\leq h < 4$ (100) 0.86

Correction factor k_A for the influence of the clearance between the concrete ceiling and the top side of the CSA chilled sail.