

Rack 1100

Rack 1700

Rack 2400

Chillers

1350–2700 W

- Stand-alone chiller
- Fluid cooling with water and water/glycol mixtures
- Anodised aluminum housing cover
- Basic housing made of powder-coated sheet steel
- Robust laboratory and industry standard in 3 performance classes
- UL, cUL, GOST and CE approved
- Integration of project-specific additional components is possible on request



Data		Rack 1100	Rack 1700	Rack 2400	Unit
Part number		42010110011	42010170013	4201024006	
Rated voltage ± 10 %		AC 50 Hz / 60 Hz			V
		230 IØ			
Cooling capacity (with pump) ¹	W64/L90 (W18/L32)	3753/4606 (1.1 / 1.35)	5801/6995 (1.7 / 2.05)	8189/9213 (2.4 / 2.7)	Btu/h (kW)
	W50/L90 (W10/L32)	2798/3446 (0.82 / 1.01)	4368/5494 (1.28 / 1.61)	6551/7302 (1.92 / 2.14)	
Flow rate (pump) ²		3.2 (12)		3.7 (14)	GPM (l/min)
Pressure (head) (pump)		29 (2.0)		36.3 (2.5)	PSI (bar)
Ambient temperature range		+ 15 ... + 45 / + 59 ... + 113		+15 ... +40 / +59 ... +104	
Control range (refrigerant outlet temperature)		+ 50 ... + 95 / + 10 ... + 35			°F / °C
		factory setting + 64/+ 18			
Target value tolerance		± 2.0			K
Refrigerant	type	R134a		R404a	
Power consumption	W64/L90 (W18/L32)	0.83 / 1.0	1.0 / 1.2	1.8 / 2.12	kW
Current consumption	W64/L90 (W18/L32)	6.94 / 7.38	7.01 / 7.42	11.22 / 11.72	A
Starting current	W64/L90 (W18/L32)	14.67 / 16.3	23.58 / 26.2	33.57 / 37.3	A
Control voltage		230			V
Volumetric air flow	external	474 (806)	696 (1182)	589 (1000)	CFM (m ³ /h)
Tank volume		1.3 (5)		2.6 (10)	GAL (l)
Connections (medium)	IG	3/8"			BSPP
Noise level (according to EN ISO 3741) ³		<66		68	dB(A)
Weight (without packaging)		93 (42)		135 (61)	lb (kg)
System of protection (electrical)		IP 20			
Color ⁴		RAL 9005; cover: aluminum			

Accessories	Part number
Overflow valve (internal)	48000009680
Flow monitor	48000009682
Casters	45000009678
Harting plug	48000009688

¹ cooling capacity incl. power loss in the pump, water outlet temperature + 64 °F (18 °C), ambient temperature + 90 °F (32 °C)

² performance data based on 50 Hz operation

³ open-air measurement at a distance of 39.37" (1 m)

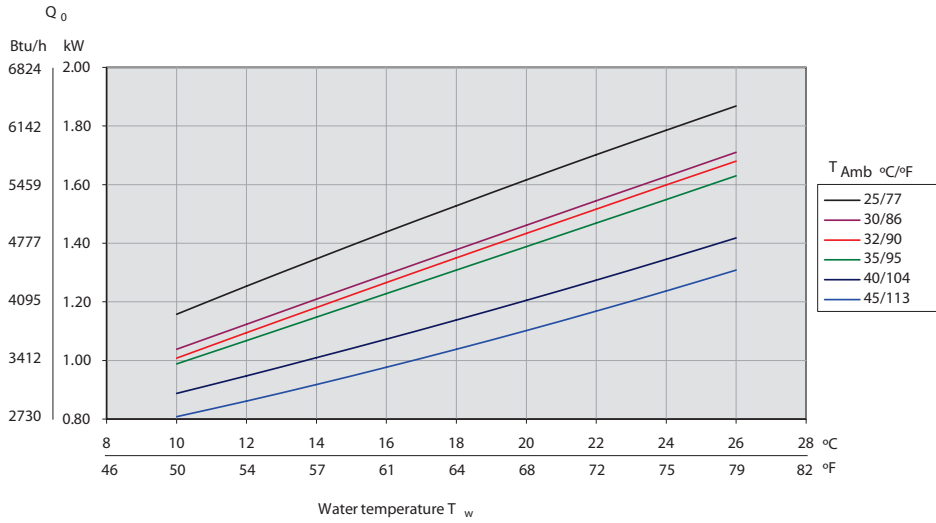
⁴ different colors available on request

Approvals see page 114

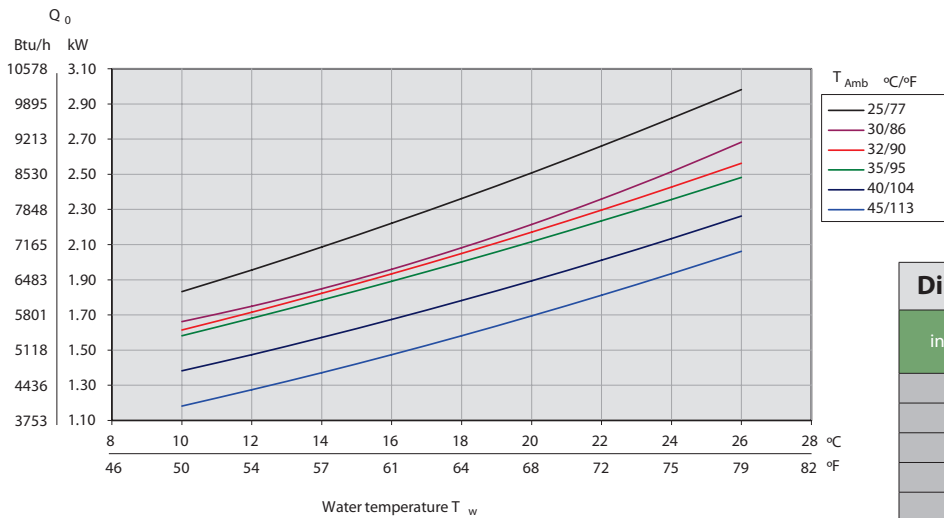
1 Ton = 12,000 Btu/h = 3517 Watts = 1 Ton

Cooling Capacity Performance Curves

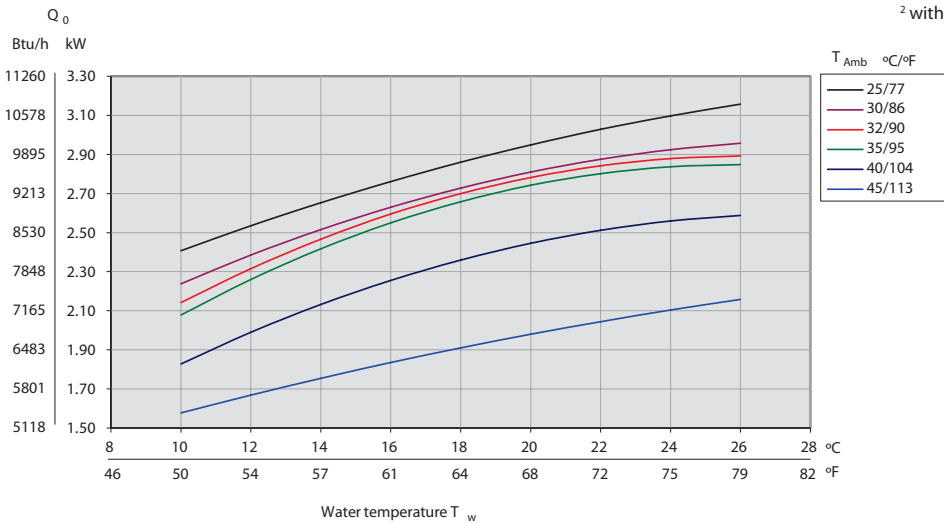
Rack 1100 (60 Hz)



Rack 1700 (60 Hz)



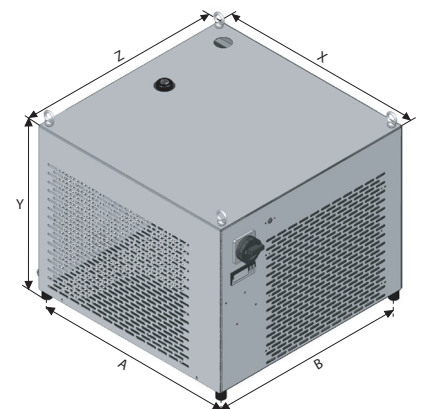
Rack 2400 (60 Hz)



Dimensions

inches (mm)	Rack 1100/1700	Rack 2400
X	17.72 (450)	22.83 (580)
Y	15.55 (395)	19.68 (500 ²)
Z	18.90 (480)	22.83 (580)
A	16.73 (425)	21.85 (555)
B	17.72 (450)	21.65 (550)

¹ the performance curves for the 50 Hz version can be obtained from your Pfannenberg advisor or at www.pfannenberg.com
² without eye bolts



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