

EB 30 WT
EB 43 WT
EB 60 WT

Chillers 3300 – 6500W



- Robust industry standard
- Fluid cooling with water and water/glycol mixtures
- Steel housing with thick powder coating
- Identical basic housing for oil and water cooling
- Separate cooling circuit and hydraulic circuit
- Equipped with a programmable control module that allows small hystereses of the temperature of the cooling medium
- Integration of project-specific additional components is possible on request

Data		EB 30 WT	EB 43 WT	EB 60 WT	Unit
Part number		Consult Factory	Consult Factory	Consult Factory	
Rated voltage ± 10 %		AC 50 Hz / 60 Hz			V
		400 / 460 3Ø			
Cooling capacity (with pump) ¹	W64/L90 (W18/L32)	10236 / 11260 (3.0 / 3.3)	14672 / 16037 (4.3 / 4.7)	20473 / 22179 (6.0 / 6.5)	Btu/h (kW)
	W50/L90 (W10/L32)	7166 / 7848 (2.1 / 2.3)	10236 / 10919 (3.0 / 3.2)	12966/12966 (3.8 / 3.8)	
Flow rate (pump) ²		3.7 (14)	3.7 (14)	5.3 (20)	GPM (l/min)
Pressure (head) (pump)		36.3 (2.5)	36.3 (2.5)	43.5 (3.0)	PSI (bar)
Ambient temperature range		+ 59 ... + 104 / + 15 ... + 40			°F / °C
Control range (refrigerant outlet temp.)		+ 50 ... + 95 / + 10 ... + 35; factory setting + 64 / + 18			
Target value tolerance		± 2.0			K
Refrigerant	type	R404a			
Power consumption	W64/L90 (W18/L32)	2.08 / 2.43	2.78 / 3.25	2.65 / 3.37	kW
Current consumption	W64/L90 (W18/L32)	4.67 / 5.2	6.68 / 6.78	4.94 / 4.91	A
Starting current	W64/L90 (W18/L32)	18.7 / 20.8	20.4 / 22.5	28.7 / 30.2	A
Control voltage		24VAC			V
Volumetric air flow	external	1177 (2000)		1766 (3000)	CFM (m ³ /h)
Tank volume		8 (30)			GAL (l)
Connections (medium)	IG	3/4"			NPT
Noise level (according to EN ISO 3741) ³		< 66		< 70	dB(A)
Weight (without packaging)		209 (95)	265 (120)	331 (150)	lb (kg)
System of protection (enclosure electrical components)		IP 56			
Color ⁴		RAL 7035			

Accessories		
Overflow Valve (Internal)	0.5° K Temperature Stability	Viton Pump Seal
Low Flow Monitor	Min. / Max. Temperature Alarm	High Pressure Pump
Tank Level Monitor	Ambient Differential Control	Stainless Steel Pump
Aluminum Condenser Filter	Casters	10 Pole Harting Plug

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)

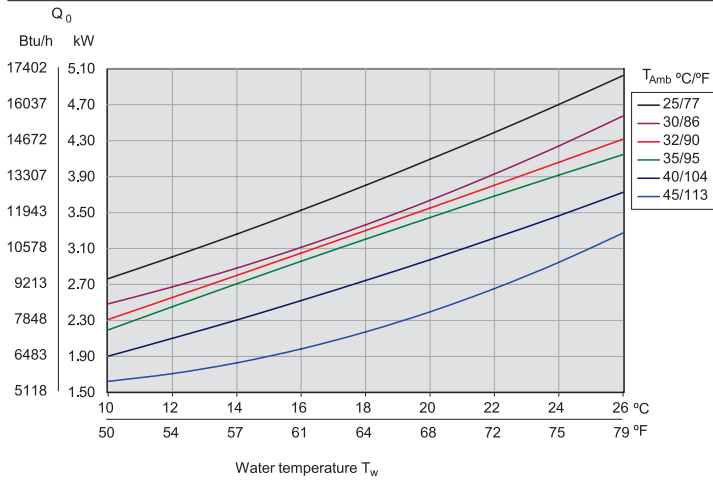
⁴ different colors on request

Approvals see page 114

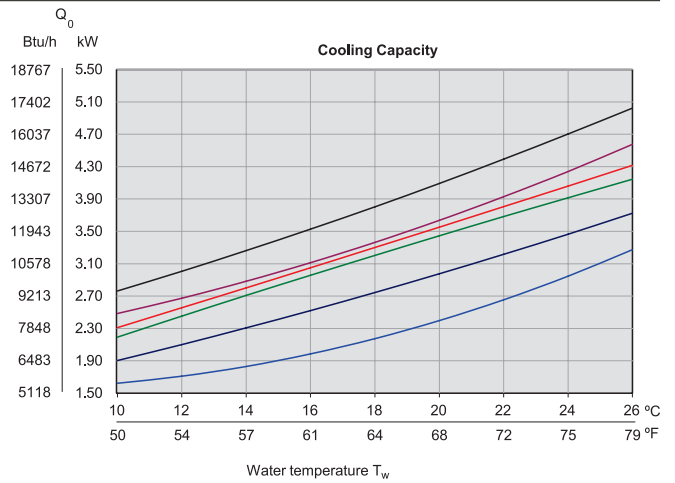
1 Ton = 12,000 Btu/h = 3517 Watts = 1 Ton

Cooling Capacity Performance Curves

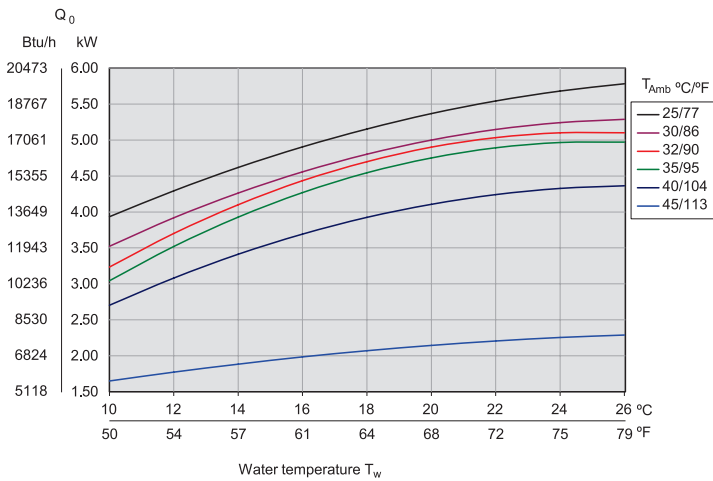
EB 30 WT (230 V 60 Hz)



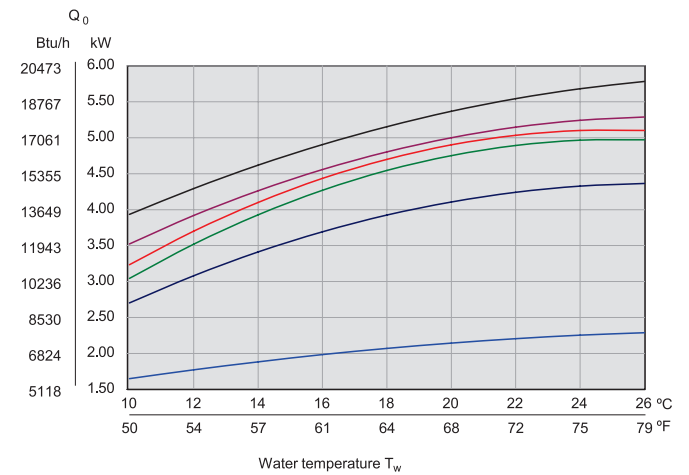
EB 30 WT (460 V 60 Hz)



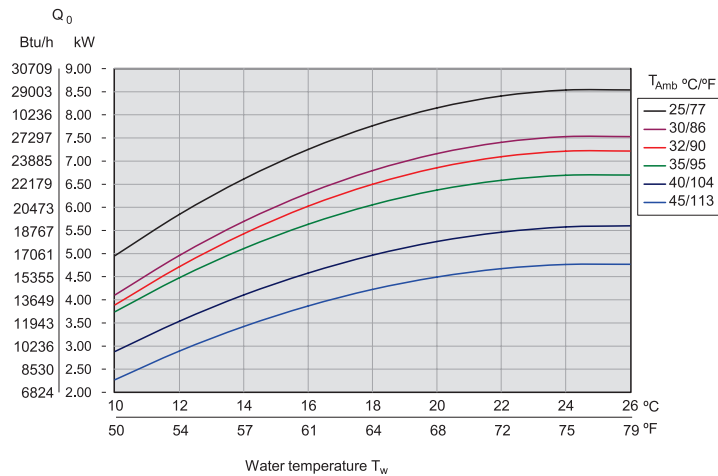
EB 43 WT (230 V 60 Hz)



EB 43 WT (460 V 60 Hz)



EB 60 WT (460 V 60 Hz)

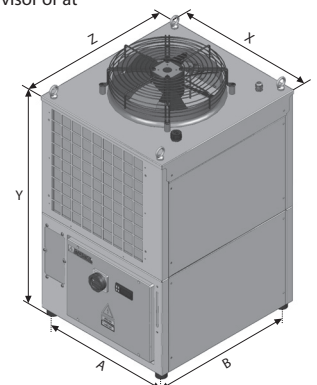


Dimensions

inches (mm)	EB 30/43/60 WT
X	21.85 (555)
Y	37.60 (955) ²
Z	24.02 (610)
A	19.48 (495)
B	21.65 (550)

* The performance curves for the 50 Hz version can be obtained from your Pfannenberg advisor or at www.pfannenberg.com

² incl. fan



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