

EB 190 WT EB 250 WT Chillers 21000–27700 W



- 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 190 WT	EB 250 WT	Unit
Part number	Consult Factory		
Rated voltage ± 10 %	AC 50 Hz / 60 Hz 400 / 460 3Ø		V
Cooling capacity (with pump) ¹	W64/L90 (W18/L32)	64831 / 71655 (19.0 / 21.0)	Btu/h (kW)
	W50/L90 (W10/L32)	45381 / 50500 (13.3 / 14.8)	
Flow rate (pump) ²	13.2 (50)	13.2 (50)	GPM (l/min)
Pressure (head) (pump)	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	R407c		
Power consumption	W64/L90 (W18/L32)	10.9 / 12.8	kW
Current consumption	W64/L90 (W18/L32)	18.8 / 19.4	A
Starting current	W64/L90 (W18/L32)	123.9 / 126.2	A
Control voltage	24VAC		V
Volumetric air flow external	6945 / 7640 (11800 / 12980)	6945 / 7640 (11800 / 12980)	CFM (m ³ /h)
Tank volume	18.5 (70)	18.5 (70)	GAL (l)
Connections (medium) IG	1"		BSPP
Noise level (according to EN ISO 3741) ³	< 73		dB(A)
Weight (without packaging)	858 (389)	889 (403)	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

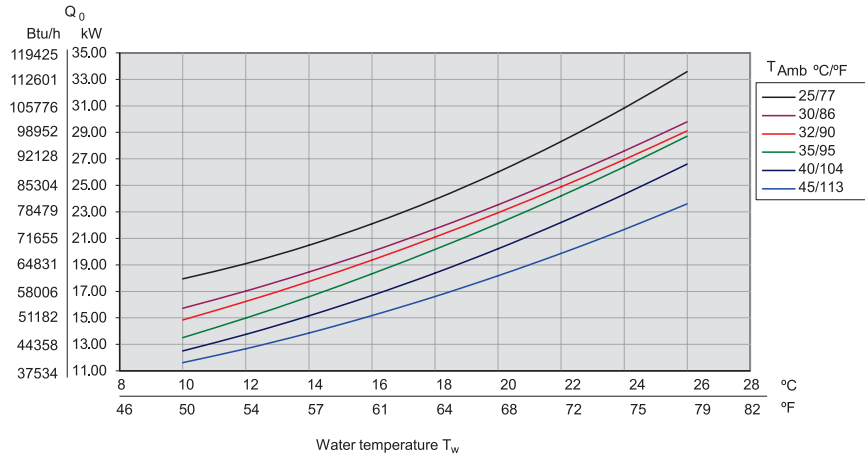
Approvals see page 114

* Actual unit may differ from rendering above.

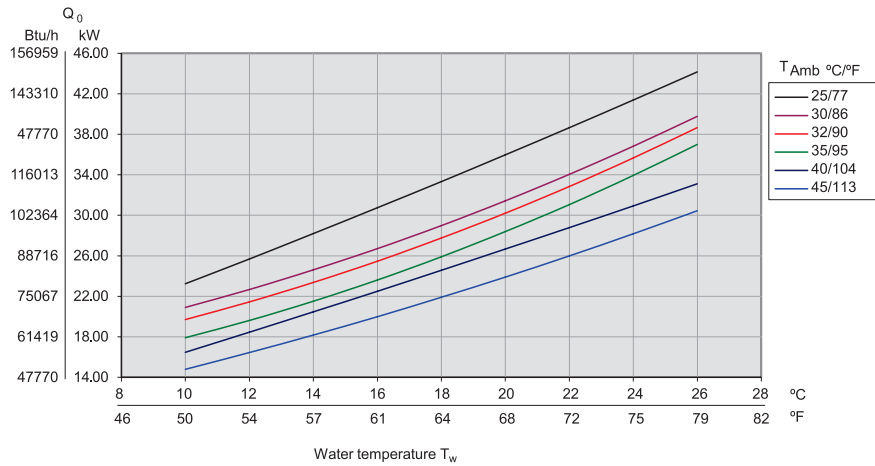
1 Ton = 12,000 Btu/h = 3517 Watts = 1 Ton

Cooling Capacity Performance Curves

EB 190 WT (60 Hz)



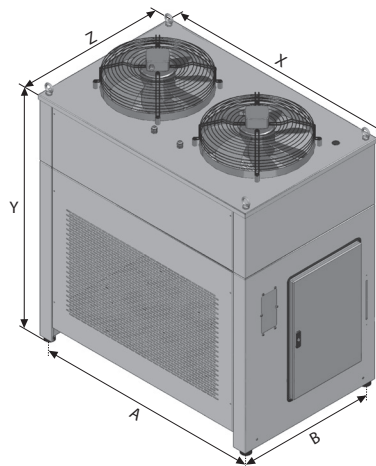
EB 250 WT (60 Hz)



Dimensions

inches (mm)	EB 190/250 WT
X	48.43 (1230)
Y	55.51 (1410 ²)
Z	31.10 (790)
A	45.08 (1145)
B	27.36 (695)

¹ 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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