

# EB 190 (Oil) EB 250 (Oil) Chillers 19000–25000 W

- Robust industry standard
- Fluid cooling with water, water/glycol mixtures and low-viscosity oils
- 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 (Oil)	EB 250 (Oil)	Unit
Part number	Consult Factory		
Rated voltage ± 10 %	AC 50 Hz / 60 Hz 400 / 460 3Ø		V
Cooling capacity (with pump) <sup>1</sup>	O68/L90 (O20/L32) 64831 / 71655 (19.0 / 21.0)	85304 / 94516 (25.0 / 27.7)	Btu/h (kW)
Flow rate (pump) <sup>2</sup>	15.9 (60)	15.9 (60)	GPM (l/min)
Pressure (head) (pump)	145.04 (10)		PSI (bar)
Ambient temperature range	+59 ... +104 / +15 ... +40		°F / °C
Control range (refrigerant outlet temp.)	+68 ... +95 / +20 ... +35 ; factory setting +79 / +26		
Target value tolerance	± 2.0		K
Refrigerant	type R407c		
Power consumption	O68/L90 (O20/L32) 12 / 14.2	14.7 / 17.6	kW
Current consumption	O68/L90 (O20/L32) 20.8 / 20.8	24.7 / 25.1	A
Starting current	O68/L90 (O20/L32) 125.6 / 126.7	151.3 / 153.2	A
Control voltage	24VAC		V
Volumetric air flow	external 6945 / 7640 (11800 / 12980)		CFM (m <sup>3</sup> /h)
Tank volume	-		GAL (l)
Connections (medium)	IG 1"		BSPP
Noise level (according to EN ISO 3741) <sup>3</sup>	< 73		dB(A)
Weight (without packaging)	772 (350)	860 (390)	lb (kg)
System of protection (enclosure electrical components)	IP 56		
Color <sup>4</sup>	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

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

<sup>2</sup> performance data based on 50 Hz operation

<sup>3</sup> open-air measurement at a distance of 39.37" (1 m)

<sup>4</sup> different colors on request

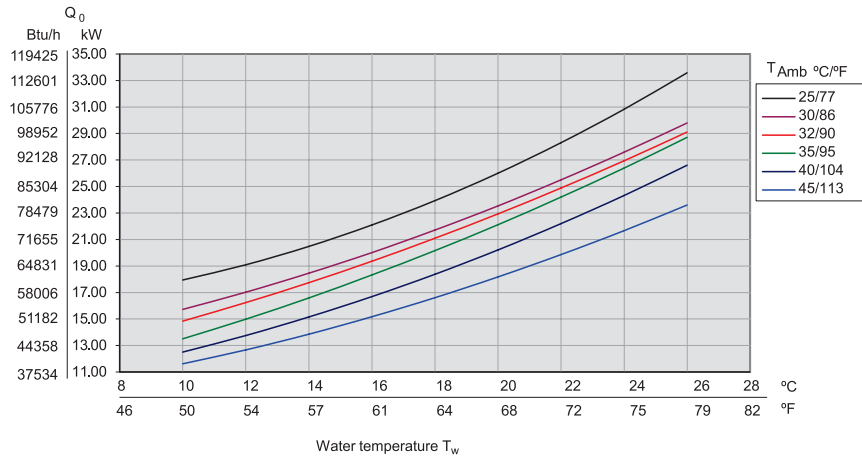
Approvals see page 114

\* Actual unit may differ from rendering above.

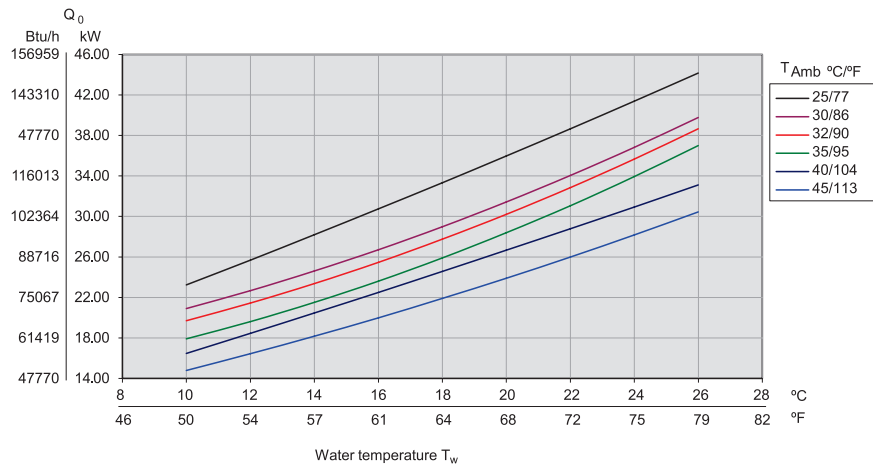
**1 Ton = 12,000 Btu/h = 3517 Watts = 1 Ton**

### Cooling Capacity Performance Curves

#### EB 190 Oil (60 Hz)



#### EB 250 Oil (60 Hz)

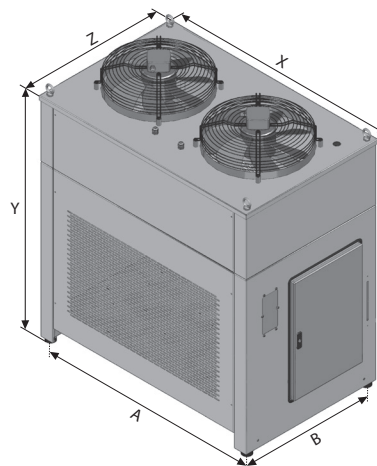


### Dimensions

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

<sup>1</sup> the performance curves for the 50 Hz version can be obtained from your Pfannenberg advisor or at [www.pfannenberg.com](http://www.pfannenberg.com)

<sup>2</sup> incl. fan



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