

**EB 300 (Oil)**  
**EB 350 (Oil)**  
**EB 400 (Oil)**

**Chillers**

**30000–40000 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 300 (Oil)	EB 350 (Oil)	EB 400 (Oil)	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) <sup>1</sup>	O20/L32 102364 / 111918 (30 / 32.8)	119425 / 130685 (35 / 38.3)	136486 / 151499 (40 / 44.4)	Btu/h (kW)
Flow rate (pump) <sup>2</sup>	21 (80)			GPM (l/min)
Pressure (head) (pump)	145 (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) 14.8 / 18.3	19.4 / 22.3	21.3 / 25.6	kW
Current consumption	O68/L90 (O20/L32) 27.2 / 28.1	33.1 / 34.5	38.3 / 39.2	A
Starting current	O68/L90 (O20/L32) 159.1 / 164.1	184.2 / 193.5	214.6 / 219.2	A
Control voltage	24VAC			V
Volumetric air flow	external	8299 / 9129 (14100 / 15510)		CFM (m <sup>3</sup> /h)
Tank volume	-			GAL (l)
Connections (medium)	IG	1 1/2"		BSPP
Noise level (according to EN ISO 3741) <sup>3</sup>	< 73			dB(A)
Weight (without packaging)	935 (424)	966 (438)	1027 (466)	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)

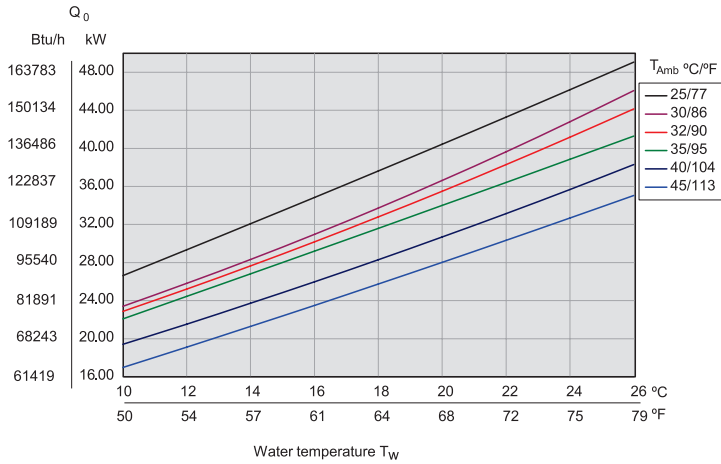
<sup>4</sup> different colors on request

Approvals see page 114

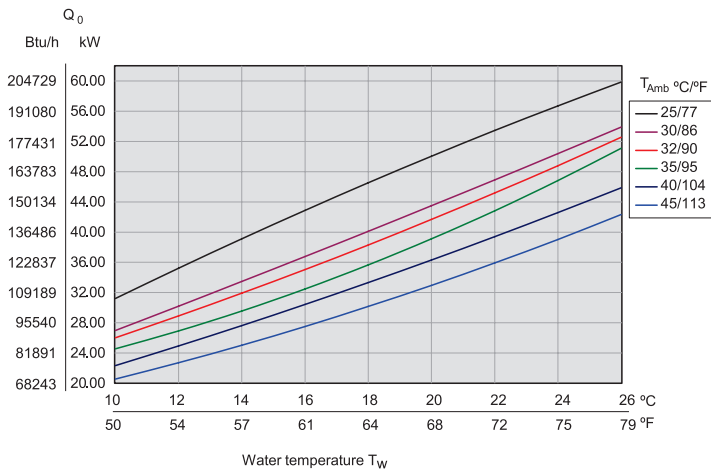
**1 Ton = 12,000 Btu/h = 3517 Watts = 1 Ton**

### Cooling Capacity Performance Curves

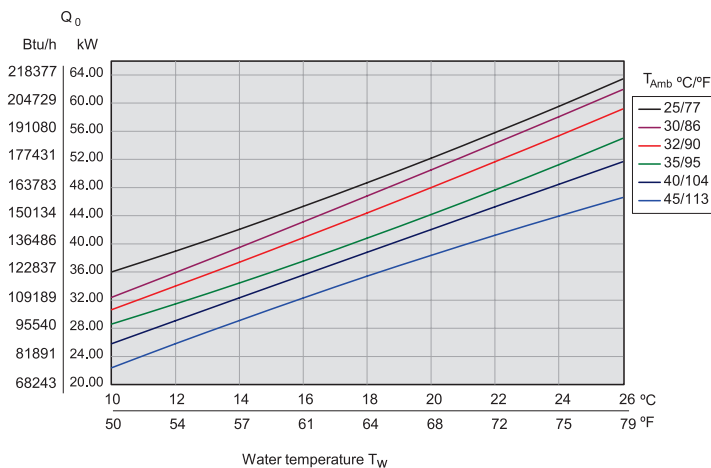
#### EB 300 Oil (60 Hz)



#### EB 350 Oil (60 Hz)



#### EB 400 Oil (60 Hz)



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

### Dimensions

inches (mm)	EB 300/350/400 WT
<b>X</b>	66.14 (1680)
<b>Y</b>	55.51 (1410 <sup>2</sup> )
<b>Z</b>	31.10 (790)
<b>A</b>	62.80 (1595)
<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

