

# Chillers 7.500–15000 W

## EB 75 (oil) / EB 90 (oil) / EB 130 (oil) / EB 150 (oil)

- robust industry standard
- fluid cooling with oil
- 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

Further options for the EB series chillers can be found on page 114.



Data	EB 75 (oil)	EB 90 (oil)	EB 130 (oil)	EB 150 (oil)	Unit
Article number	43030750001	43030900001	43031300001	43031500001	
Rated voltage ± 10 %	AC 50 Hz / 60 Hz				V
	400 / 460 3~				
Cooling capacity (with pump) <sup>1</sup> O20/L32	7.5 / 8.3	9.0 / 10.0	13.0 / 14.3	15.0 / 16.6	kW
Flow rate (pump) <sup>2</sup>	35	35	60	60	l/min
Pressure (head) (pump)	10				bar
Ambient temperature range	+ 15 ... + 40 / + 59 ... + 104				°C / °F
Control range (refrigerant outlet temperature)	+20 ... + 35 / + 68 ... + 95; factory setting + 26 / + 79				
Target value tolerance	± 2.0				K
Refrigerant type	R404a				
Power consumption O20/L32	5.27 / 6.26	6,88 / 8,11	8.4 / 10.5	9.36 / 12.61	kW
Current consumption O20/L32	10.6 / 11.1	14.07 / 14.4	15.4 / 17.2	17.79 / 19.31	A
Starting current O20/L32	31.3 / 31.4	43.94 / 48.6	67.0 / 70.1	74.1 / 77.3	A
Control voltage	24 V AC				V
Volumetric airflow external	3000	5000			m³/h
Tank volume	-				l
Connections (medium) IG	1"				BSPP
Noise level (according to EN ISO 3741)	< 72				dB (A)
Weight (without packaging)	160	180	205	225	kg
System of protection (enclosure electrical components)	IP 56				
Colour	RAL 7035 (different colours on request)				
Accessories	Article number				
Overflow valve (internal)	48000012873				
Flow monitor	48000012871				
Aluminium pre-filter (condenser)	45000012287				
Casters	45000012285				
20% Propylenglycol pre-mix 20 l	45783000123				
20% Ethylenglycol pre-mix 20 l	45783000125				

<sup>1</sup> cooling capacity incl. power loss in the pump, refrigerant outlet temperature + 18 °C, ambient temperature + 32 °C

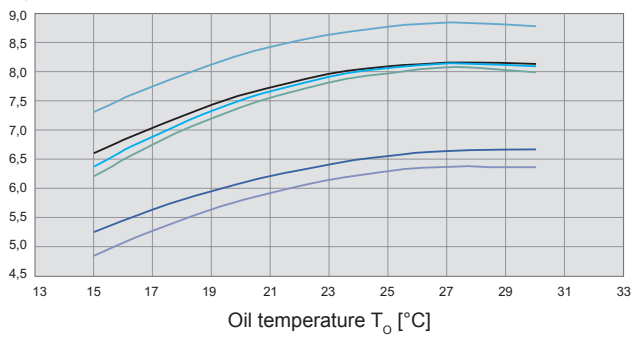
<sup>2</sup> performance data based on 50 Hz operation

Approvals see page 91

### Cooling capacity performance curves

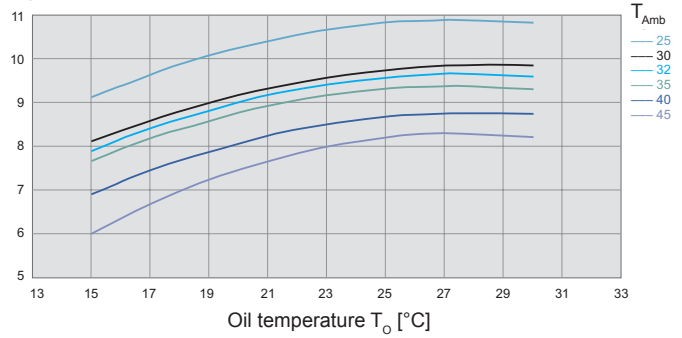
**EB 75 (oil) (50 Hz)<sup>1</sup>**

Cooling capacity  
 $Q_0$  [kW]



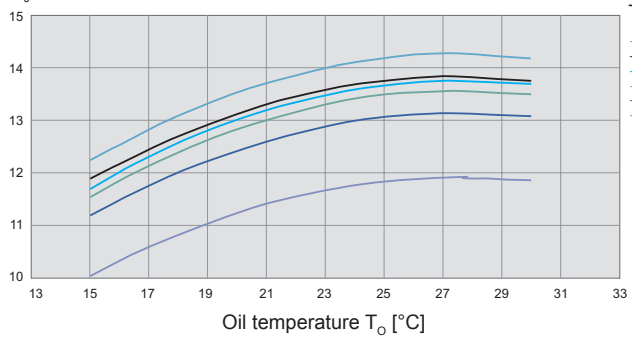
**EB 90 (oil) (50 Hz)<sup>1</sup>**

Cooling capacity  
 $Q_0$  [kW]



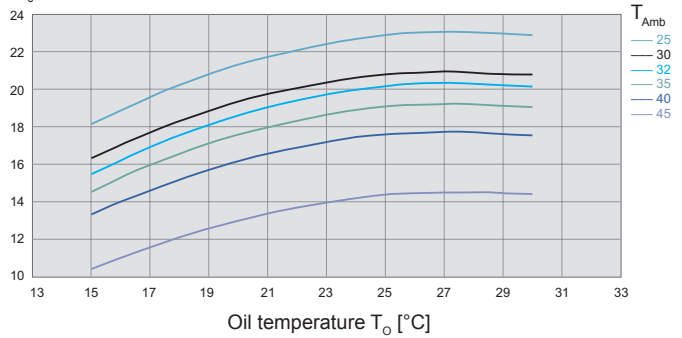
**EB 130 (oil) (50 Hz)<sup>1</sup>**

Cooling capacity  
 $Q_0$  [kW]



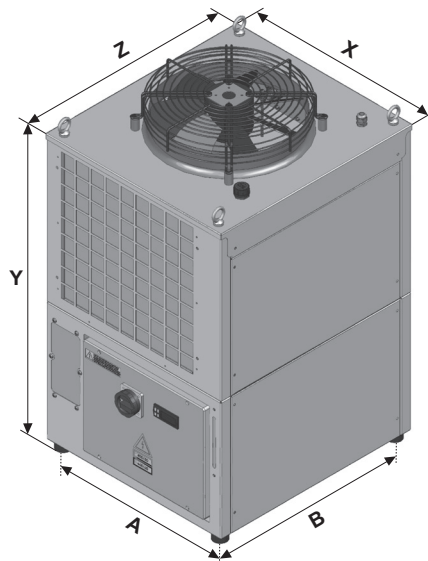
**EB 150 (oil) (50 Hz)<sup>1</sup>**

Cooling capacity  
 $Q_0$  [kW]



### Dimensions

mm	EB 75/90/130 (oil)
X	705
Y	1290 <sup>2</sup>
Z	765
A	645
B	700



<sup>1</sup> the performance curves for the 60 Hz version can be obtained from your Pfannenberg advisor or at [www.pfannenberg.com](http://www.pfannenberg.com)

<sup>2</sup> incl. fan