

Chillers 19000–25000 W

EB 190 (oil) / EB 250 (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 190 (oil)	EB 250 (oil)	Unit
Article number		43031900001	43032500001	
Rated voltage $\pm 10\%$		AC 50 Hz / 60 Hz 400 / 460 3~		V
Cooling capacity (with pump) ¹	O20/L32	19.0 / 21.0	25.0 / 27.7	kW
Flow rate (pump) ²		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	R407c		
Power consumption	O20/L32	12.0 / 14.2	14.7 / 17.6	kW
Current consumption	O20/L32	20.8 / 20.8	24.7 / 25.1	A
Starting current	O20/L32	125.6 / 126.7	151.3 / 153.2	A
Control voltage		24 V AC		V
Volumetric airflow	external	11800 / 12980		m³/h
Tank volume		–		l
Connections (medium)	IG	1"		BSPP
Noise level (according to EN ISO 3741)		< 73		dB (A)
Weight (without packaging)		350	390	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)		45000012763		
Casters		45000012867		
20% Propylenglycol pre-mix	20 l	45783000123		
20% Ethylenglycol pre-mix	20 l	45783000125		

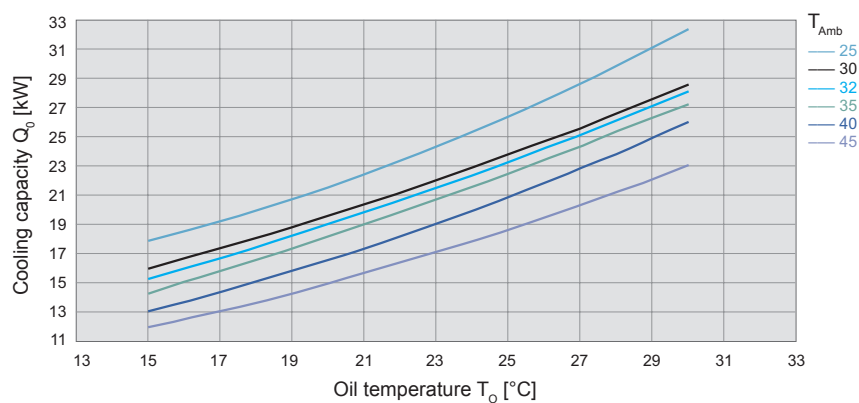
¹ cooling capacity incl. power loss in the pump, refrigerant outlet temperature + 18 °C, ambient temperature + 32 °C

² performance data based on 50 Hz operation

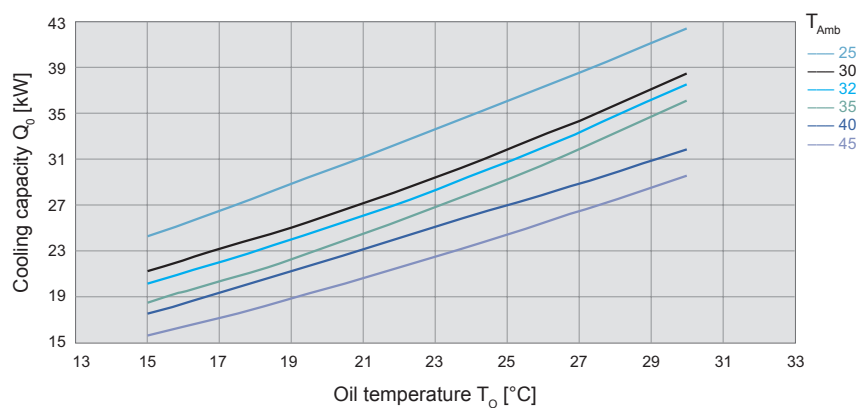
Approvals see page 91

Cooling capacity performance curves

EB 190 (oil) (50 Hz)¹

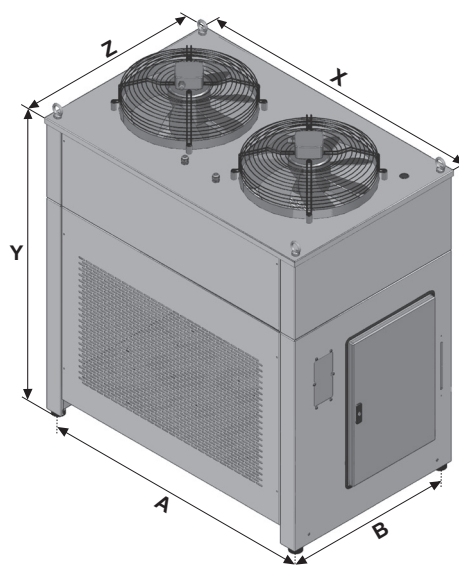


EB 250 (oil) (50 Hz)¹



Dimensions

mm	EB 150/190/250 (oil)
X	1230
Y	1410 ²
Z	790
A	1145
B	695



¹ the performance curves for the 60 Hz version can be obtained from your Pfannenberg advisor or at www.pfannenberg.com

² incl. fan