

EB 180 WT | EB 220 WT CHILLERS 18000–22000 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

* maximum viscosity 10 cSt (10 mm²/s) @ + 40 °C



PRODUCT	EB 180 WT	EB 220 WT	UNIT
ARTICLE NO.	42031805001	42032205001	
DATA			
Rated voltage	AC 50 60		Hz ±1 %
	400 3~ 460 3~		V ±10 %
Cooling capacity (with pump) W18/A32	18 21.5	22 26.4	kW
Flow rate (pump) ¹	48 / 57	52 / 62	l/min
Pump pressure	3		bar
Ambient temperature	+15 ... +45 +59 ... +113		°C F
Medium	water/glycol – 80/20		
Medium temperature (outlet)	+13 ... +35 +55 ... +95; factory setting +18 +64		°C F
Target value tolerance	±2		K
Refrigerant	type R410A		
	quantity	1800	2500
Max power consumption	7,1 8,8	9,7 12	kW
Max current consumption	14,5 15,5	18 19	A
Starting current	55 57	74,5 75	
Control voltage	AC 24		V
Pre fuse T	20	20	A
Airflow ¹ external	8000		m ³ /h
Tank volume	70		l
Connections (medium) IG	1"		BSP
Noise level @ 50 Hz (EN ISO 3741)	< 72		dB (A)
Weight (without packaging)	200	210	kg
Protection system according to EN 60529	IP 54		
Colour	RAL 7035 different colours available on request		

For additional models, options, voltages and accessories visit www.pfannenberg.com or contact us directly.

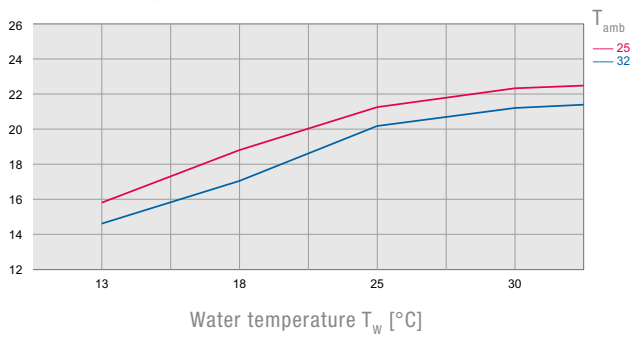
¹ performance data based on 50 Hz operation



Cooling capacity performance curves

EB 180 WT (50 Hz)¹

Cooling capacity Q_0 [kW]



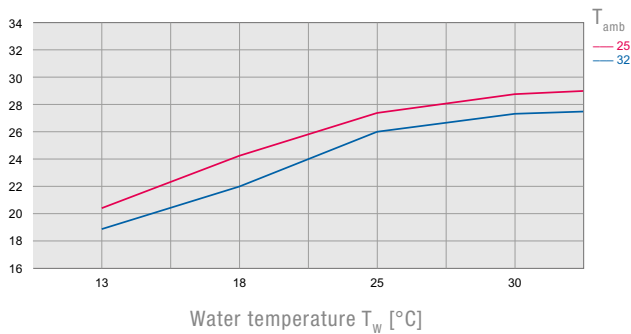
The performance curves do include standard pump losses and refer to 50 Hz and 20 % glycol mixtures.

For a 40 °C ambient temperature you can expect capacity values shown for 32 °C to decrease by 20 %.

For a 45 °C ambient temperature you can expect capacity values shown for 32 °C to decrease by 30 %.

EB 220 WT (50 Hz)¹

Cooling capacity Q_0 [kW]



Dimensions

mm	180 WT 220 WT
X	855,5
Y	1434,5 ²
Z	761
A	682
B	789

¹ the performance curves for the 60 Hz version can be obtained from your Pfannenberg advisor or at www.pfannenberg.com
² incl. fan

