

Chillers 3000– 6000 W

EB 30 WT / EB 43 WT / EB 60 WT

- 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

Further options for the EB series chillers can be found on page 125.

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



Data		EB 30 WT	EB 43 WT	EB 60 WT	Unit
Article number		42030300003	42030430003	42030600022	
Rated voltage ± 10 %		AC 50 Hz / 60 Hz			
		400 / 460 3~			V
Cooling capacity (with pump) ¹	W18/L32	3.0 / 3.3	4.3 / 4.7	6.0 / 6.5	kW
	W10/L32	2.1 / 2.3	3.0 / 3.2	3.8 / 3.8	
Flow rate (pump) ²		14	14	20	l/min
Pressure (head) (pump)		2.5	2.5	3.0	bar
Ambient temperature range		+ 15 ... + 40 / + 59 ... + 104			
Control range (refrigerant outlet temperature)		+ 10 ... + 35 / + 50 ... + 95; factory setting + 18 / + 64			°C / °F
Target value tolerance		± 2			K
Refrigerant	R404A	1100	1200	1600	g
Power consumption	W18/L32	2.08 / 2.43	2.78 / 3.25	3.4 / 4.1	kW
Current consumption	W18/L32	4.7 / 4.8	6.5 / 6.8	7.2 / 7.2	A
Starting current	W18/L32	18.7 / 20.8	20.4 / 22.5	28.7 / 30.2	A
Control voltage		24 V AC			V
Pre fuse T		20	20	25	A
Volumetric airflow	external	2000		3000	m ³ /h
Tank volume		30			l
Connections (medium)	IG	3/4"			BSPP
Noise level according to EN ISO 3741		< 66		< 70	dB (A)
Weight (without packaging)		95	120	150	kg
System of protection (enclosure electrical components)		IP 56			
Colour		RAL 7035, different colours available on request			
Accessories		Article number			
Overflow valve (internal)		48000012266			
Flow monitor		48000012268			
Aluminium pre-filter (condenser)		45000012286			
Casters		45000012284			
20% Propyleneglycol pre-mix	20 l	45783000123			
20% Ethyleneglycol pre-mix	20 l	45783000125			

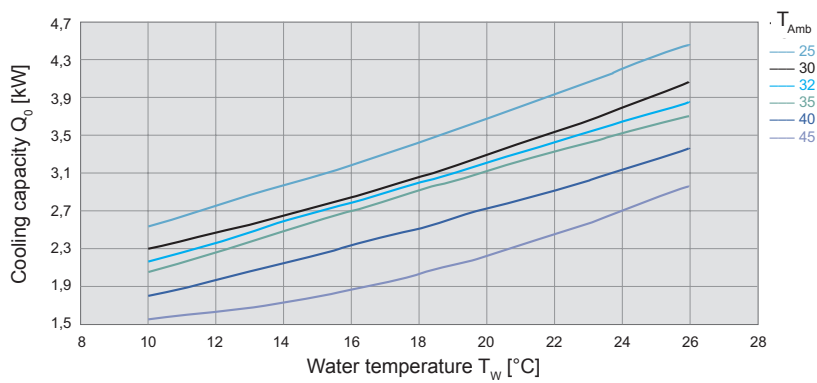
¹ cooling capacity incl. power loss in the pump, refrigerant outlet temperature + 18 °C, ambient temperature + 32 °C

² performance data based on 50 Hz operation

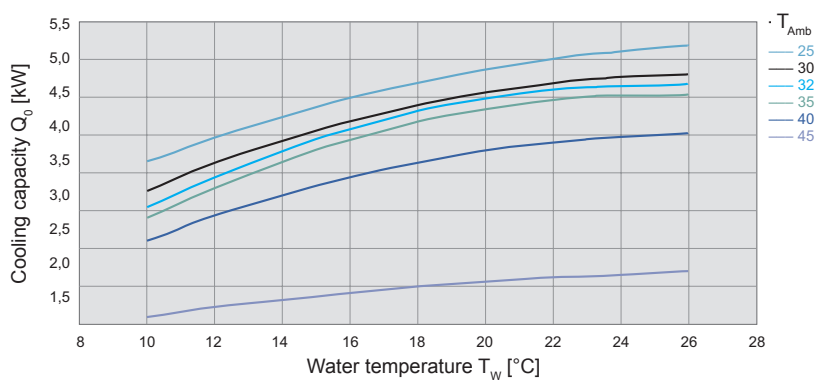
Approvals see page 99

Cooling capacity performance curves

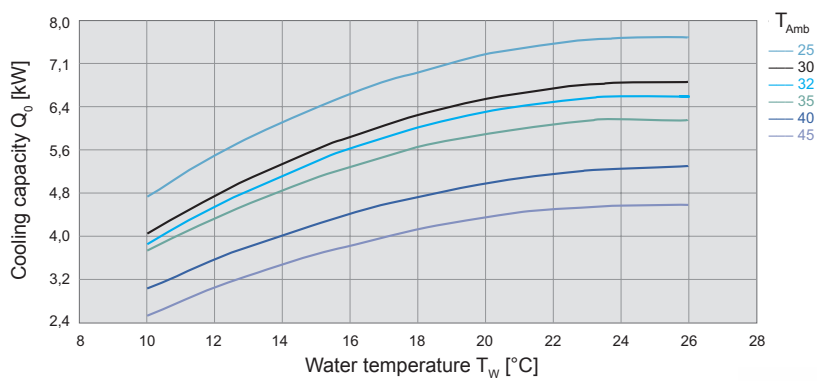
EB 30 WT (50 Hz)¹



EB 43 WT (50 Hz)¹

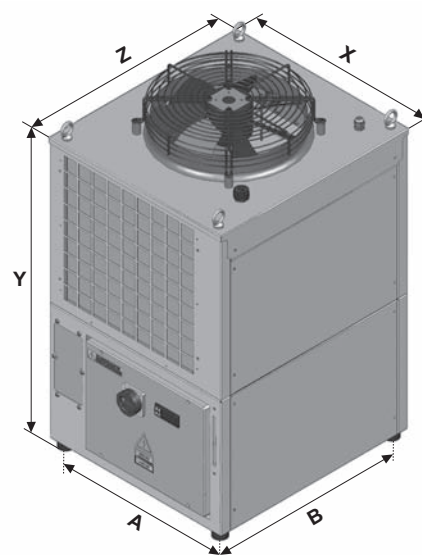


EB 60 WT (50 Hz)¹



Dimensions

mm	EB 30/43/60 WT
X	555
Y	955 ²
Z	610
A	495
B	550



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

² incl. fan

Chillers 7.500– 15000 W

EB 75 WT / EB 90 WT / EB 130 WT / EB 150 WT

- 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

Further options for the EB series chillers can be found on page 125.



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

Data		EB 75 WT	EB 90 WT	EB 130 WT	EB 150 WT	Unit
Article number		42030750003	42030900009	42031300001	42031500001	
Rated voltage ± 10 %		AC 50 Hz / 60 Hz				
		400 / 460 3~				V
Cooling capacity (with pump) ¹	W18/L32	7.5 / 8.3	9.0 / 10.0	13.0 / 14.3	15.0 / 16.6	kW
	W10/L32	5.4 / 5.7	6.9 / 7.5	10.5 / 11.4	11.8 / 12.8	
Flow rate (pump) ²		35	35	35	35	l/min
Pressure (head) (pump)		3				bar
Ambient temperature range		+ 15 ... + 40 / + 59 ... + 104				
Control range (refrigerant outlet temperature)		+ 10 ... + 35 / + 50 ... + 95; factory setting + 18 / + 64				°C / °F
Target value tolerance		± 2				K
Refrigerant	R404A	2000	2300	3500	3400	g
Power consumption	W18/L32	4.87 / 5.76	6.48 / 7.1	8.0 / 10.0	8.86 / 11.01	kW
Current consumption	W18/L32	9.7 / 9.7	13.17 / 13.0	14.5 / 15.8	16.39 / 17.91	A
Starting current	W18/L32	30.6 / 31.4	42.5 / 46.6	65.4 / 68.9	72.8 / 75.9	A
Control voltage		24 V AC				V
Pre fuse T		25	25	on request	on request	A
Volumetric airflow	external	3000	5000			m ³ /h
Tank volume		50				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 available on request				
Accessories		Article number				
Overflow valve (internal)		48000012267				
Flow monitor		48000012269				
Aluminium pre-filter (condenser)		45000012287				
Casters		45000012285				
20% Propyleneglycol pre-mix	20 l	45783000123				
20% Ethyleneglycol pre-mix	20 l	45783000125				

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

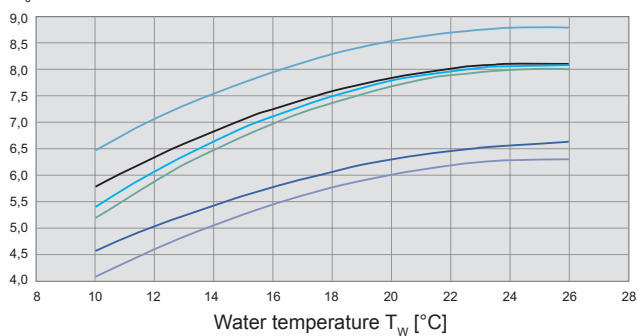
² performance data based on 50 Hz operation

Approvals see page 99

Cooling capacity performance curves

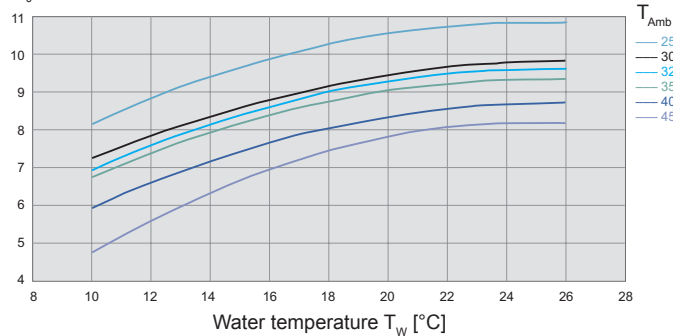
EB 75 WT (50 Hz)¹

Cooling capacity
 Q_0 [kW]



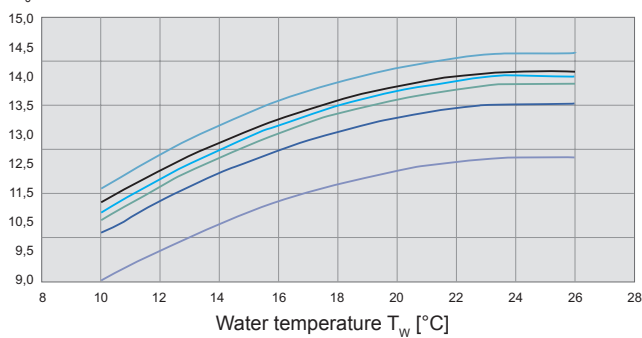
EB 90 WT (50 Hz)¹

Cooling capacity
 Q_0 [kW]



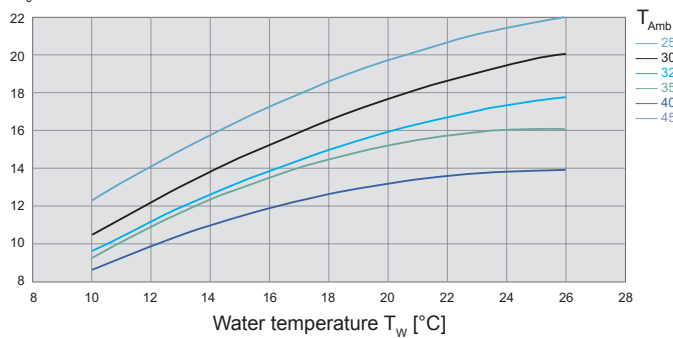
EB 130 WT (50 Hz)¹

Cooling capacity
 Q_0 [kW]



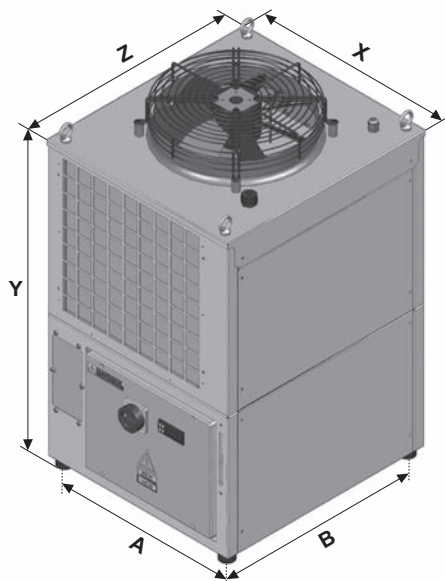
EB 150 WT (50 Hz)¹

Cooling capacity
 Q_0 [kW]



Dimensions

mm	EB 75/90/130/150 WT
X	705
Y	1290 ²
Z	765
A	645
B	700



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

² incl. fan

Chillers 19000–25000 W

EB 190 WT

EB 250 WT

- 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

Further options for the EB series chillers can be found on page 125.

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



Data	EB 190 WT	EB 250 WT	Unit	
Article number	42031900001	42032500001		
Rated voltage ± 10 %	AC 50 Hz / 60 Hz		V	
	400 / 460 3~			
Cooling capacity (with pump) ¹	W18/L32	19.0 / 21.0	25.0 / 27.7	kW
	W10/L32	13.3 / 14.8	17.7 / 19.7	
Flow rate (pump) ²	50		l/min	
Pressure (head) (pump)	3		bar	
Ambient temperature range	+ 15 ... + 40 / + 59 ... + 104		°C / °F	
Control range (refrigerant outlet temperature)	+ 10 ... + 35 / + 50 ... + 95; factory setting + 18 / + 64			
Target value tolerance	± 2		K	
Refrigerant	R407C	10000	g	
Power consumption	W18/L32	10.7 / 13.7	12.3 / 15.7	kW
Current consumption	W18/L32	20.2 / 21.1	22.5 / 23.1	A
Starting current	W18/L32	123.9 / 126.2	148.2 / 152.8	A
Control voltage	24 V AC		V	
Pre fuse T	on request		A	
Volumetric airflow	external	11800 / 12980		m ³ /h
Tank volume	70		l	
Connections (medium)	IG	1"		BSPP
Noise level according to EN ISO 3741	< 73		dB (A)	
Weight (without packaging)	389		403	kg
System of protection (enclosure electrical components)	IP 56			
Colour	RAL 7035, different colours available on request			
Accessories	Article number			
Overflow valve (internal)	48000012865			
Flow monitor	48000012866			
Aluminium pre-filter (condenser)	45000012763			
Casters	45000012867			
20% Propyleneglycol pre-mix	20 l	45783000123		
20% Ethyleneglycol pre-mix	20 l	45783000125		

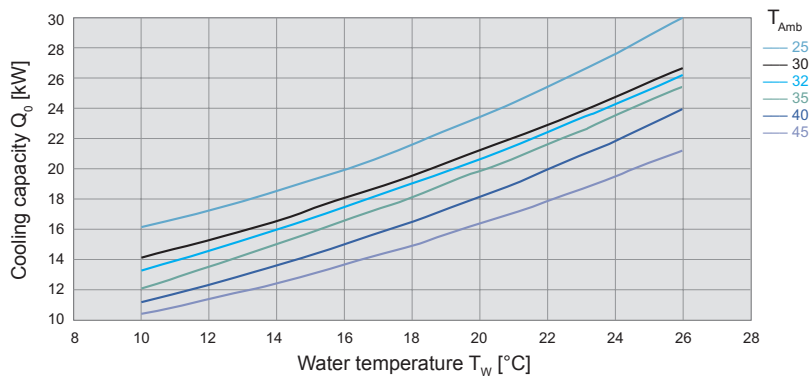
¹ cooling capacity incl. power loss in the pump, refrigerant outlet temperature + 18 °C, ambient temperature + 32 °C

² performance data based on 50 Hz operation

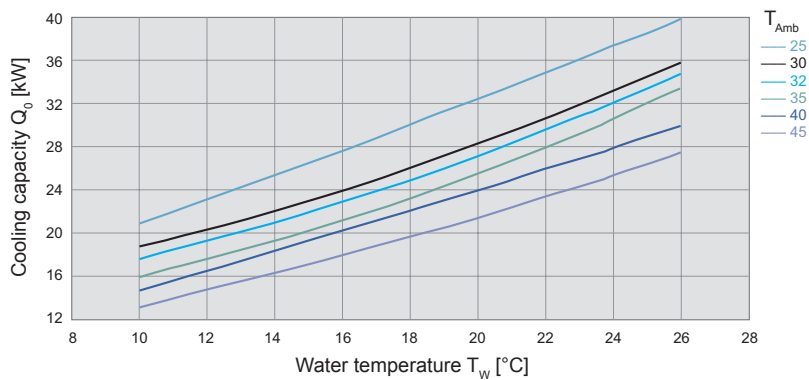
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Cooling capacity performance curves

EB 190 WT (50 Hz)¹

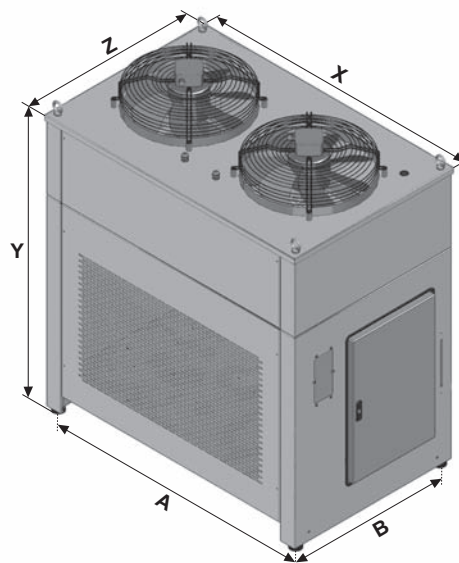


EB 250 WT (50 Hz)¹



Dimensions

mm	EB 190/250 WT
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

Chillers 30000–40000 W

EB 300 WT / EB 350 WT / EB 400 WT

- 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

Further options for the EB series chillers can be found on page 125.

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



Data		EB 300 WT	EB 350 WT	EB 400 WT	Unit
Article number		42033000001	42033500001	42034000001	
Rated voltage ± 10 %		AC 50 Hz / 60 Hz			
		400 / 460 3~			V
Cooling capacity (with pump) ¹	W18/L32	30.0 / 32.8	35.0 / 38.3	40.0 / 44.4	kW
	W10/L32	20.6 / 22.9	23.4 / 26.0	27.6 / 30.6	
Flow rate (pump) ²		80			l/min
Pressure (head) (pump)		3.5			bar
Ambient temperature range		+ 15 ... + 40 / + 59 ... + 104			
Control range (refrigerant outlet temp.)		+ 10 ... + 35 / + 50 ... + 95; factory setting + 18 / + 64			°C / °F
Target value tolerance		± 2			K
Refrigerant	R407C	13000	12000	13000	g
Power consumption	W18/L32	14.8 / 18.5	17.3 / 22.0	19.5 / 24.4	kW
Current consumption	W18/L32	27.8 / 28.1	31.3 / 32.2	35.4 / 36.4	A
Starting current	W18/L32	157.8 / 161.1	182.8 / 191.1	212.9 / 216.1	A
Control voltage		24 V AC			V
Pre fuse T		on request			A
Volumetric airflow	external	14100 / 15510			m ³ /h
Tank volume		120			l
Connections (medium)	IG	1-1/2"			BSPP
Noise level according to EN ISO 3741		< 73			dB (A)
Weight (without packaging)		434	448	476	kg
System of protection (enclosure electrical components)		IP 56			
Colour		RAL 7035, different colours available on request			
Accessories		Article number			
Overflow valve (internal)		48000012869			
Flow monitor		48000012870			
Aluminium pre-filter (condenser)		45000012868			
Casters		45000012867			
20% Propyleneglycol pre-mix	20 l	45783000123			
20% Ethyleneglycol pre-mix	20 l	45783000125			

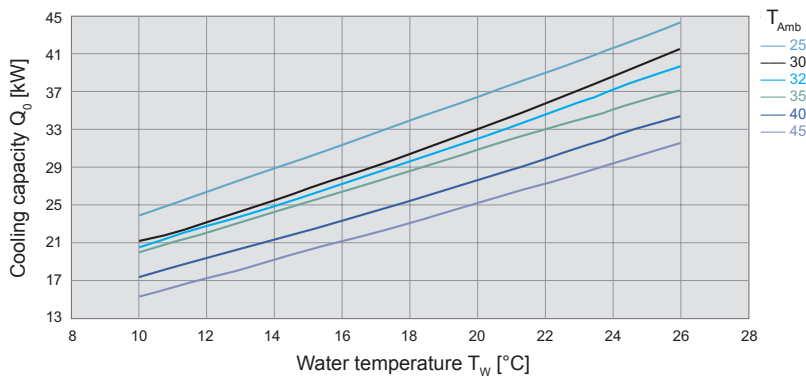
¹ cooling capacity incl. power loss in the pump, refrigerant outlet temperature + 18 °C, ambient temperature + 32 °C

² performance data based on 50 Hz operation

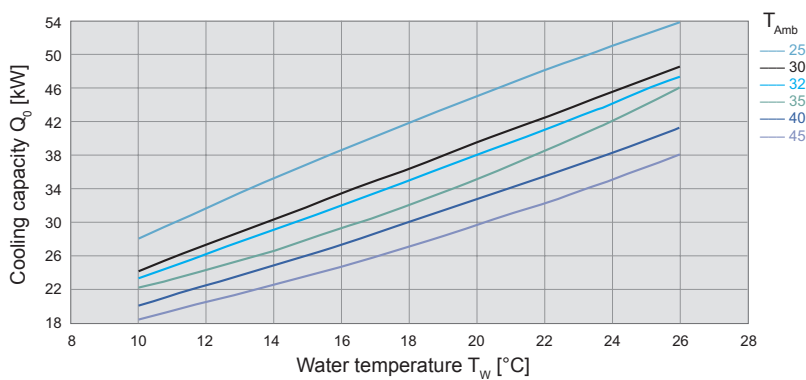
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Cooling capacity performance curves

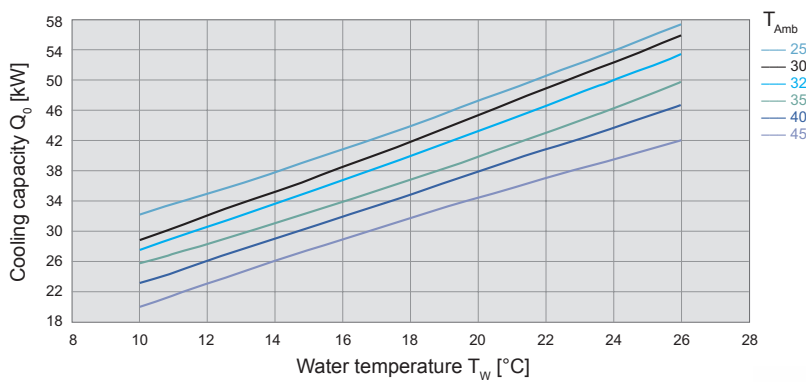
EB 300 WT (50 Hz)¹



EB 350 WT (50 Hz)¹

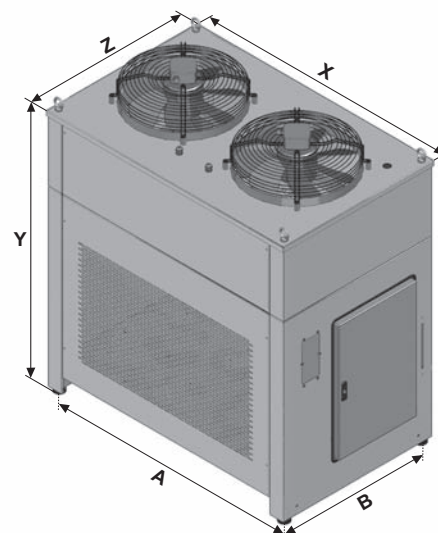


EB 400 WT (50 Hz)¹



Dimensions

mm	EB 300/350/400 WT
X	1680
Y	1410 ²
Z	790
A	1595
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