

Chillers 3000–6000 W

EB 30 (oil) / EB 43 (oil) / EB 60 (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 125.

* minimum viscosity 22 cSt (22 mm²/s) @ + 40 °C



Data	EB 30 (oil)	EB 43 (oil)	EB 60 (oil)	Unit
Article number	43030300003	43030430003	43030600001	
Rated voltage ± 10 %	AC 50 Hz / 60 Hz			V
	400 / 460 3~			
Cooling capacity (with pump) ¹ O20/L32	3.0 / 3.3	4.3 / 4.7	6.0 / 6.5	kW
Flow rate (pump) ²	10	25	25	l/min
Pressure (head) (pump)	10	10	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			K
Refrigerant R404A	1100	1200	1600	g
Power consumption O20/L32	2.38 / 2.73	3.08 / 3.55	3.00 / 3.72	kW
Current consumption O20/L32	5.17 / 5.9	7.18 / 7.48	5.44 / 5.76	A
Starting current O20/L32	19.5 / 21.5	20.9 / 23.2	29.5 / 31.5	A
Control voltage	24 V AC			V
Pre fuse T	20	20	25	A
Volumetric airflow external	2000		3000	m ³ /h
Tank volume	–			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)	48000012875			
Flow monitor	48000012876			
Aluminium pre-filter (condenser)	45000012286			
Casters	45000012284			

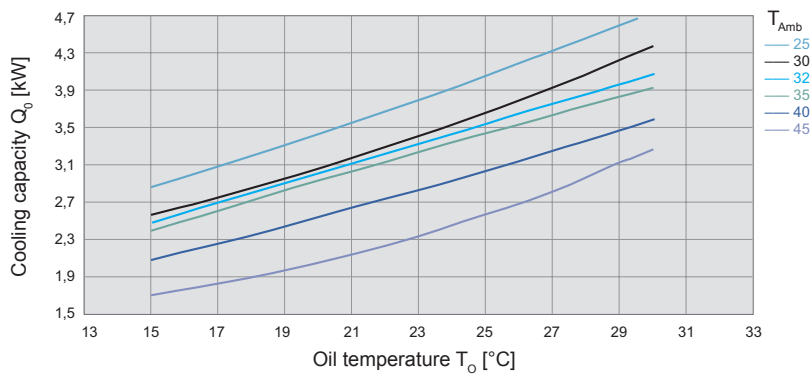
¹ cooling capacity incl. power loss in the pump, oil outlet temperature + 20 °C, ambient temperature + 32 °C, oil viscosity 22 cSt @ + 40 °C

² performance data based on 50 Hz operation

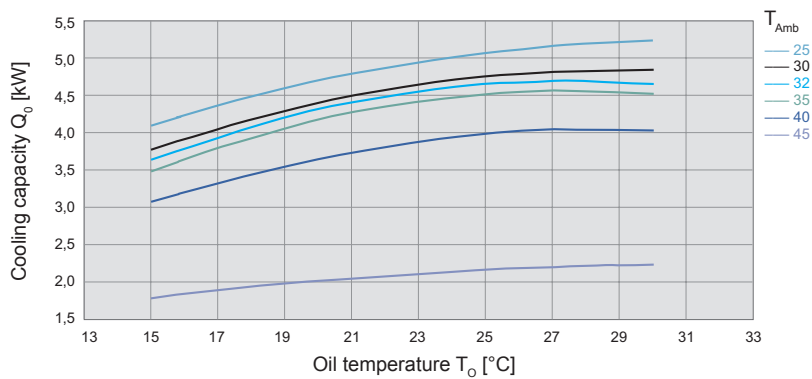
Approvals see page 99

Cooling capacity performance curves

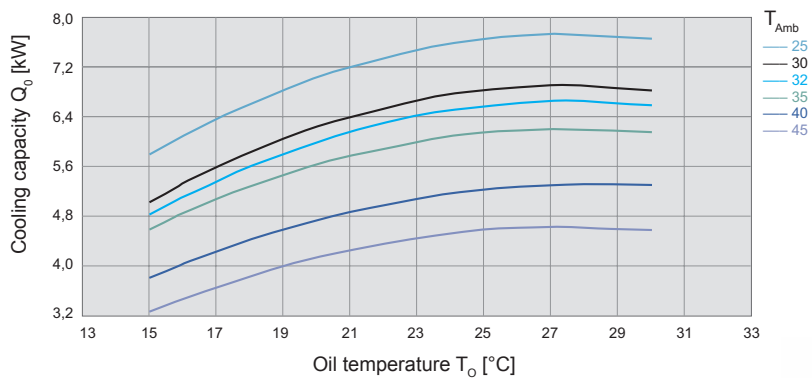
EB 30 (oil) (50 Hz)¹



EB 43 (oil) (50 Hz)¹

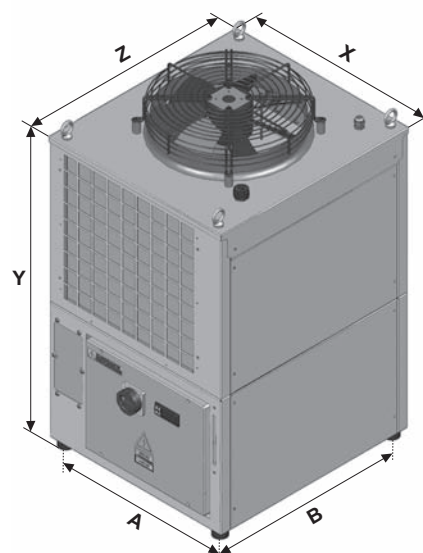


EB 60 (oil) (50 Hz)¹



Dimensions

mm	EB 30/45/60 (oil)
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 (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 125.

* minimum viscosity 22 cSt (22 mm²/s) @ + 40 °C



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) ¹ O20/L32	7.5 / 8.3	9.0 / 10.0	13.0 / 14.3	15.0 / 16.6	kW
Flow rate (pump) ²	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				K
Refrigerant R404A	2000	2300	3500	3400	g
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
Pre fuse T	25	25	on request	on request	A
Volumetric airflow external	3000	5000			m ³ /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 available on request				
Accessories	Article number				
Overflow valve (internal)	48000012873				
Flow monitor	48000012871				
Aluminium pre-filter (condenser)	45000012287				
Castors	45000012285				

¹ cooling capacity incl. power loss in the pump, oil outlet temperature + 20 °C, ambient temperature + 32 °C, oil viscosity 22 cSt @ + 40 °C

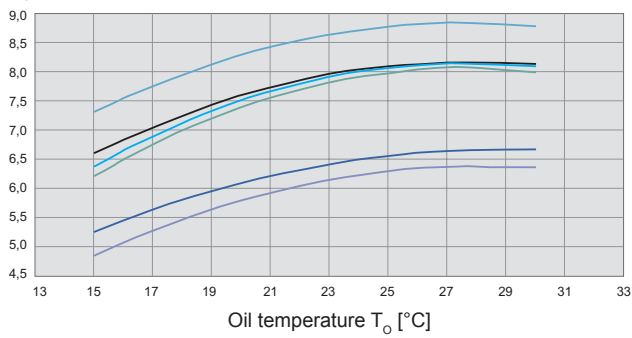
² performance data based on 50 Hz operation

Approvals see page 99

Cooling capacity performance curves

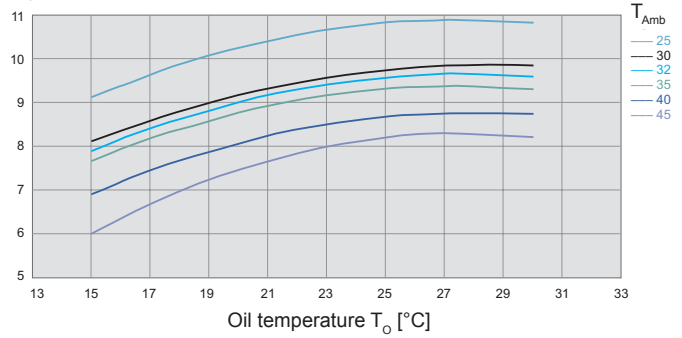
EB 75 (oil) (50 Hz)¹

Cooling capacity
 Q_0 [kW]



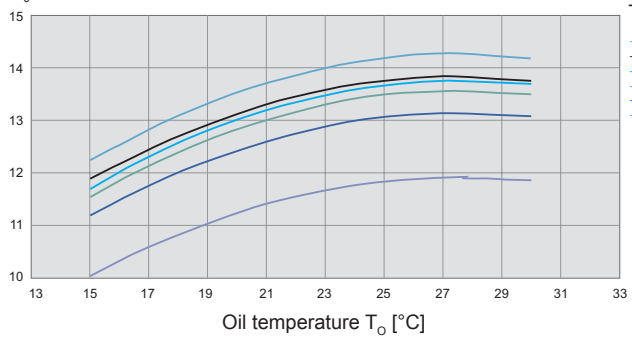
EB 90 (oil) (50 Hz)¹

Cooling capacity
 Q_0 [kW]



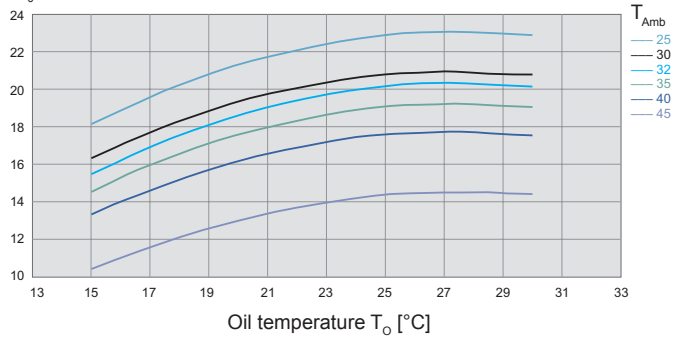
EB 130 (oil) (50 Hz)¹

Cooling capacity
 Q_0 [kW]



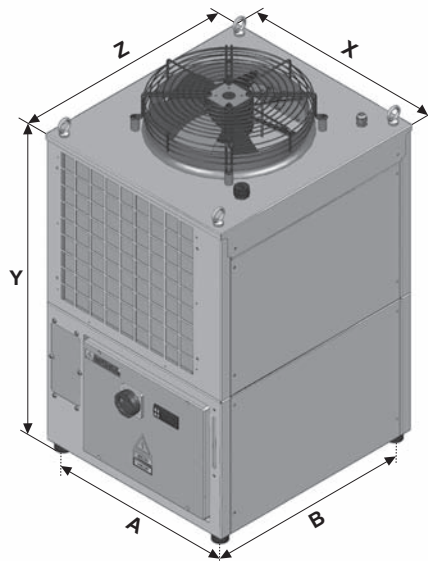
EB 150 (oil) (50 Hz)¹

Cooling capacity
 Q_0 [kW]



Dimensions

mm	EB 75/90/130/150 (oil)
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 (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 125.

* minimum viscosity 22 cSt (22 mm²/s) @ + 40 °C



Data	EB 190 (oil)	EB 250 (oil)	Unit
Article number	43031900001	43032500001	
Rated voltage ± 10 %	AC 50 Hz / 60 Hz		V
	400 / 460 3~		
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		K
Refrigerant R407C	10000		g
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
Pre fuse T	on request		A
Volumetric airflow external	11800 / 12980		m ³ /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 available on request		
Accessories	Article number		
Overflow valve (internal)	48000012873		
Flow monitor	48000012871		
Aluminium pre-filter (condenser)	45000012763		
Casters	45000012867		

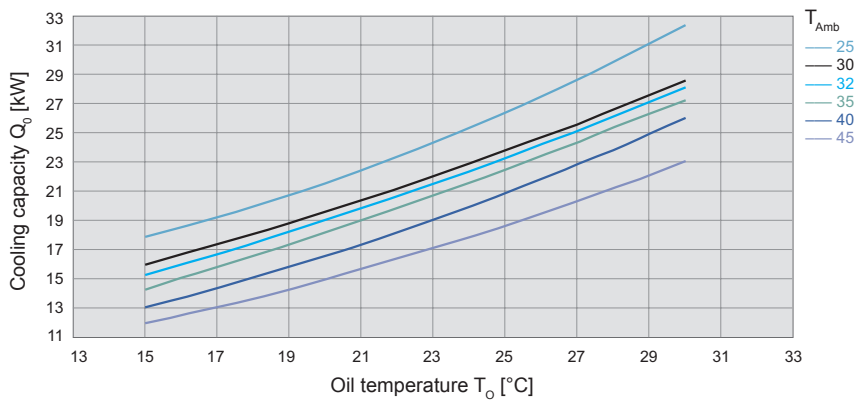
¹ cooling capacity incl. power loss in the pump, oil outlet temperature + 20 °C, ambient temperature + 32 °C, oil viscosity 22 cSt @ + 40 °C

² performance data based on 50 Hz operation

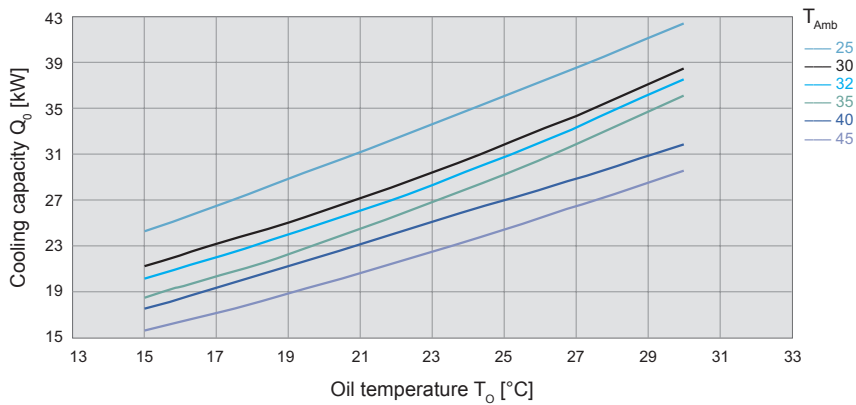
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Cooling capacity performance curves

EB 190 (oil) (50 Hz)¹

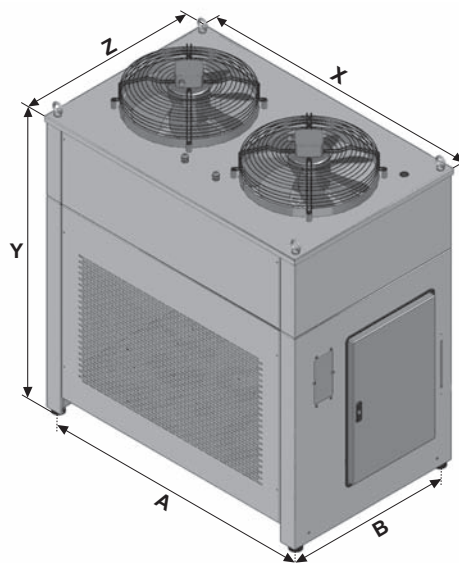


EB 250 (oil) (50 Hz)¹



Dimensions

mm	EB 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

Chillers 30000–40000 W

EB 300 (oil) / EB 350 (oil) / EB 400 (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 125.

* minimum viscosity 22 cSt (22 mm²/s) @ + 40 °C



Data	EB 300 (oil)	EB 350 (oil)	EB 400 (oil)	Unit
Article number	43033000001	43033500001	43034000001	
Rated voltage ± 10 %	AC 50 Hz / 60 Hz			V
	400 / 460 3~			
Cooling capacity (with pump) ¹ O20/L32	30.0 / 32.8	35.0 / 38.3	40.0 / 44.4	kW
Flow rate (pump) ²	80			l/min
Pressure (head) (pump)	10			bar
Ambient temperature range	+ 15 ... + 40 / + 59 ... + 104			
Control range (refrigerant outlet temperature)	+20 ... + 35 / + 68 ... + 95; factory setting + 26 / + 79			°C / °F
Target value tolerance	± 2			K
Refrigerant R407C	13000	12000	13000	g
Power consumption O20/L32	14.8 / 18.3	19.4 / 22.3	21.3 / 25.6	kW
Current consumption O20/L32	27.2 / 28.1	33.1 / 34.5	38.3 / 39.2	A
Starting current O20/L32	159.1 / 164.1	184.2 / 193.5	214.6 / 219.2	A
Control voltage	24 V AC			V
Pre fuse T	on request			A
Volumetric airflow external	14100 / 15510			m ³ /h
Tank volume	-			l
Connections (medium) IG	1 1/2"			BSPP
Noise level according to EN ISO 3741	< 73			dB (A)
Weight (without packaging)	424	438	466	kg
System of protection (enclosure electrical components)	IP 56			
Colour	RAL 7035, different colours available on request			
Accessories	Article number			
Overflow valve (internal)	48000012874			
Flow monitor	48000012872			
Aluminium pre-filter (condenser)	45000012868			
Casters	45000012867			

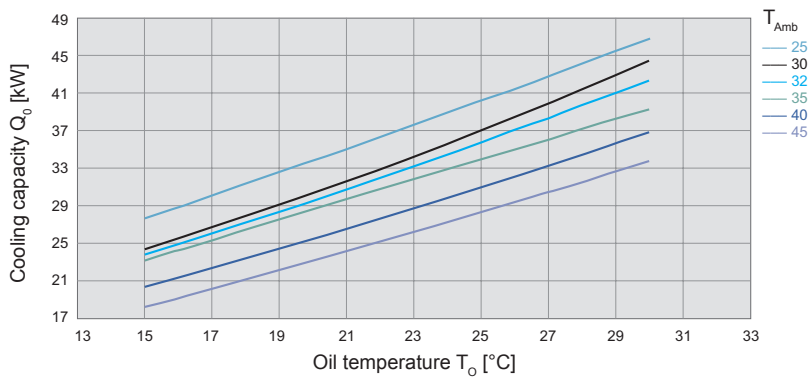
¹ cooling capacity incl. power loss in the pump, oil outlet temperature + 20 °C, ambient temperature + 32 °C, oil viscosity 22 cSt @ + 40 °C

² performance data based on 50 Hz operation

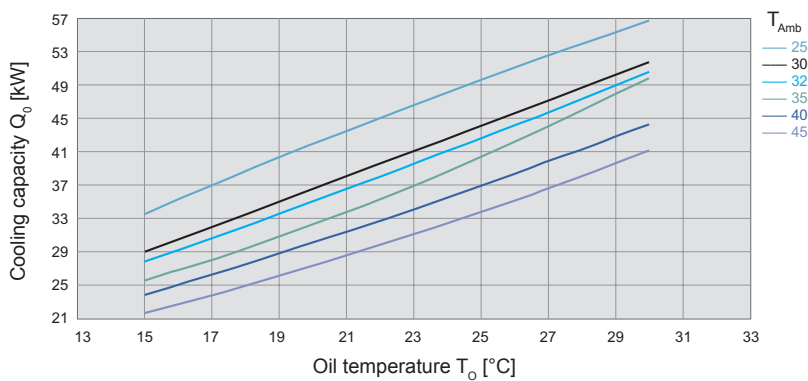
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Cooling capacity performance curves

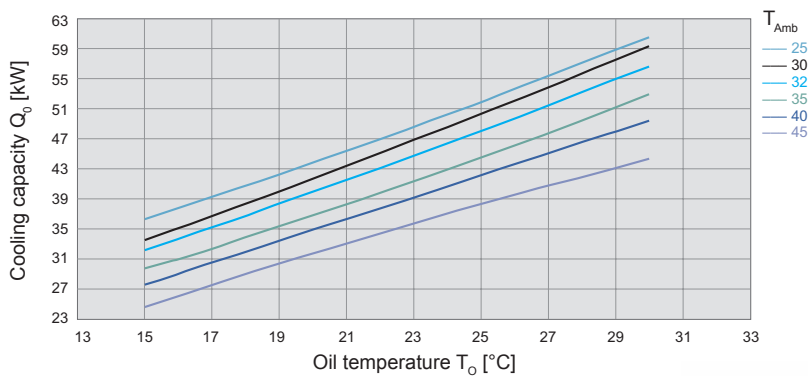
EB 300 (oil) (50 Hz)¹



EB 350 (oil) (50 Hz)¹

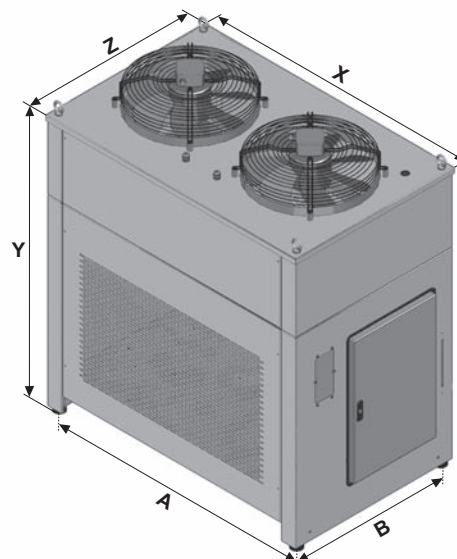


EB 400 (oil) (50 Hz)¹



Dimensions

mm	EB 300/350/400 (oil)
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 Pfannenber advisor or at www.pfannenber.com

² incl. fan