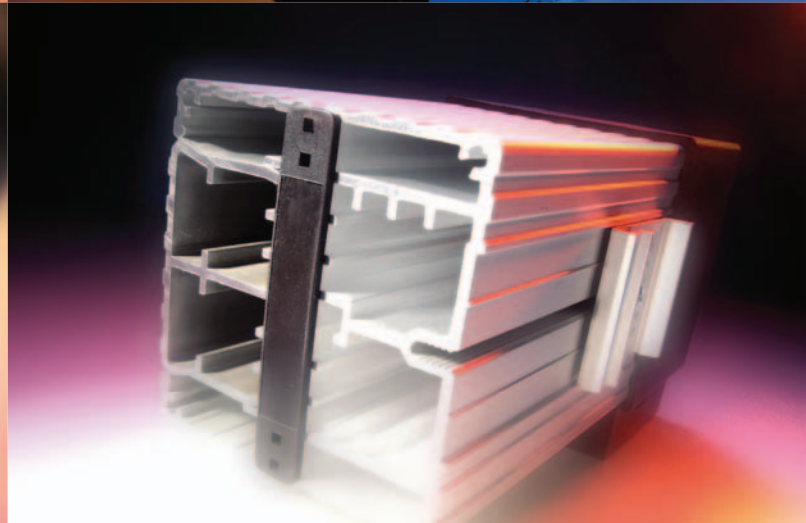
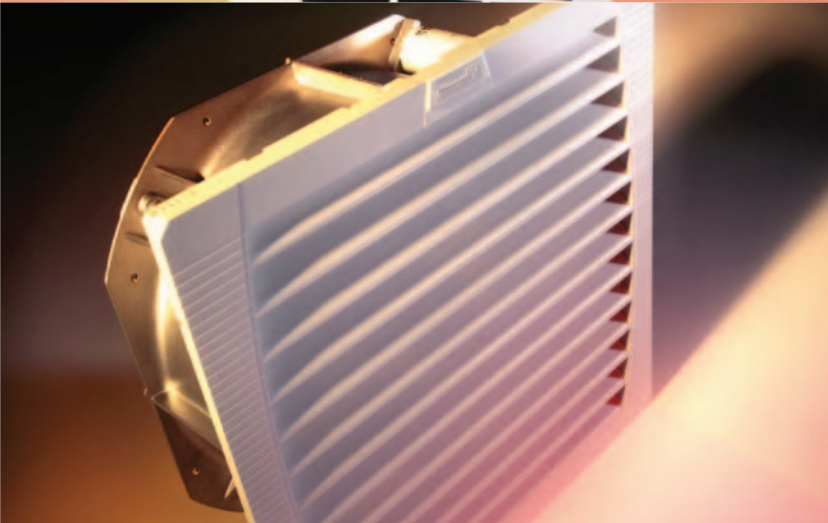


Thermal Management Solutions

Cooling Units • Air/Water Heat Exchangers • Chillers
Filterfans® • Heaters, Thermostats and Hygrostats

Main Catalog • Edition 11



SHARING
COMPETENCE | 

Pfannenberg
ELECTRO-TECHNOLOGY FOR INDUSTRY



Closing the loop for all industrial fluid cooling applications

RACK & EB Series Packaged Air Cooled Chillers

Packaged and ready to use, Pfannenberg chillers require only piping & power to install a closed loop solution for process cooling applications – we'll even provide the coolant.

- Each chiller model includes the pump, tank, refrigeration system and controls required for simple installation and reliable, efficient operation
- Model sizes ranging from a ½ Ton up to 25 Tons insures that the proper capacity is available for most applications
- Ethylene & propylene glycol coolants, with proper corrosion inhibitors, are available in a variety of packaging options – both full strength and pre-mixed
- Equipment options are available to easily customize standard chillers to meet specific application requirements
- Our knowledgeable applications staff is always on hand to discuss the application and to make sure that a proper selection is made
- These chillers are a perfect match for Pfannenberg Series PWS Air/water Heat Exchangers when a local source of cooling is not available



Rack Series

Rugged and compact, the RACK Series chillers offer a convenient and economical solution for liquid chilling applications with relatively small heat loads. Laboratory equipment, small lasers, and pharmaceutical packaging are a few of the many applications to which the RACK chiller is easily applied.

Standard Features

- Hermetic compressor with R-134a refrigerant
- Peripheral pump with a wide flow & pressure range
- Plastic coolant reservoir with immersed evaporator
- Electronic temperature controller with remote alarm contact
- UL & CE approvals

Available Options

- Hydraulic coolant by-pass kit
- Coolant flow switch kit
- Casters



EB Series

Specifically developed to meet the demanding requirements of today's industrial applications, the EB chiller allows the maximum cooling capacity in the smallest possible footprint. With a long list of standard features and many available options, Pfannenberg's EB Series provides the best choice for recirculated cooling of machinery, hydraulics, automation components, etc.

Standard Features

- Hermetic compressor with R-404a or R-134a refrigerant
- Stainless steel, multi-stage centrifugal pump with a wide flow & pressure range
- Stainless steel, brazed-plate evaporator
- Insulated, plastic coolant tank
- Microprocessor-based electronic controller with remote start/stop input & remote alarm output
- Coolant flow switch
- Condenser air filter
- "Stack light" optical status indication
- NEMA 4 control enclosure for outdoor installation
- UL & CE approvals

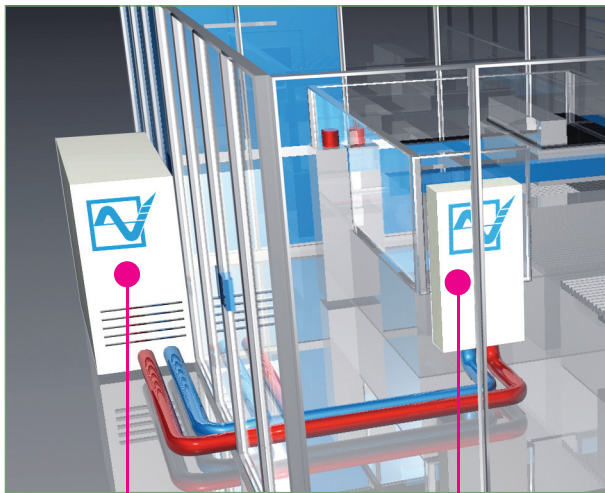
Available Options

- Close temperature control (+/- 1°F)
- Coolant tank level switch
- Coolant hydraulic by-pass kit
- Coolant isolation kit
- Remote control panel (2-wire connection, 450 ft. distance)

Pfannenbergl Packaged Air Cooled Chillers

- Cooling for water, glycol, oil and other process fluids
- Robust construction that sets the industry standard
- Galvanized steel casing with polyester powder-coat finish
- Wide range of capacities and options to meet most applications
- Custom design & prototype testing on request

Part of the Pfannenbergl complete, liquid-based solution for cooling industrial control enclosures



Chiller

Air/water heat exchanger

The unique ability to combine over 50 years of experience in both enclosure air conditioning and process fluid chilling, allows Pfannenbergl to be a single source for highly engineered liquid-based electronics cooling when air cooling is not feasible due to:

- High enclosure heat density
- Chemical laden atmosphere (i.e. wash-down caustics or H₂S gases)
- Inaccessibility of enclosure for cooling air or for maintenance



Rack 1100 Rack 1700 Rack 2400 Chillers 1350–2700 W



- Stand-alone chiller
- Fluid cooling with water and water/glycol mixtures
- Anodised aluminum housing cover
- Basic housing made of powder-coated sheet steel
- Robust laboratory and industry standard in 3 sizes
- UL, cUL, GOST and CE approved
- Integration of project-specific additional components is possible on request

Data	Rack 1100	Rack 1700	Rack 2400	Unit
Part number	420 1011 001	420 1017 0013	420 1024 0006	
Electrics	230 / 1 / 50-60			V / Ph / Hz
Nominal Capacity*	4606	6995	9213	Btu/hr
Nominal Coolant Flow Rate*	1.0	1.4	1.8	gpm
Available Coolant Pressure	30	30	36	psig
Power Consumption*	1.0	1.2	2.1	kW
Connections - Fluid	3/8" NPTF			
Coolant Tank Volume	1.3	1.3	2.6	gal
Noise level @ 1 m (EN ISO 3741)	66	66	68	dB(A)
Maximum Ambient Air Temperature	104			°F
Duty Cycle	100%			%
Electrical Enclosure Rating	IP20			
Construction - Housing	coated steel base w/ aluminum cover			
Width	18		23	in
Length	19		23	in
Height	16		20	in
Weight (without packaging)	42		61	lb

*@ 64F CWS & 90F Amb & 60Hz

1 Ton = 12,000 Btu/h = 3517 Watts = 1 Ton

EB 30 WT

EB 60 WT

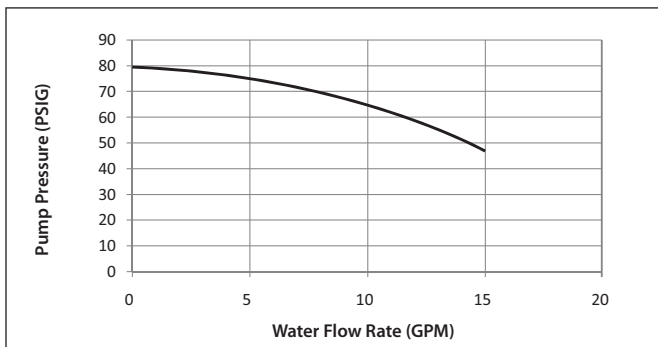
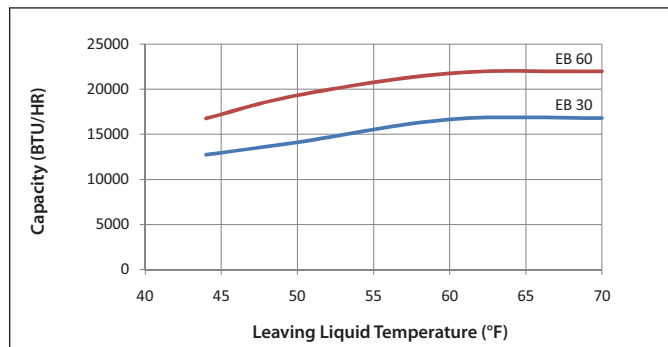
Chillers 3300 – 6500W



Data	EB 30 WT	EB 60 WT	Unit
Part number	Consult Factory	Consult Factory	
Electrics	400-460/3/50-60		V / Ph / Hz
Nominal Capacity*	16700	21800	Btu/hr
Nominal Coolant Flow Rate*	3.3	4.4	gpm
Available Coolant Pressure	50		psig
Power Consumption*	1.6	2.2	kW
Connections - Fluid	3/4" NPTF		
Coolant Tank Volume	8		gal
Noise level @ 1 m (EN ISO 3741)	66	70	dB(A)
Maximum Ambient Air Temperature	104		°F
Duty Cycle	100%		%
Electrical Enclosure Rating	IP56		
Construction - Housing	galv. steel w/polyester powder coat		
Width	22		in
Length	24		in
Height	41		in
Weight (without packaging)	77	86	lb

*@ 64F CWS & 90F Amb & 60Hz

1 Ton = 12,000 Btu/h = 3517 Watts = 1 Ton



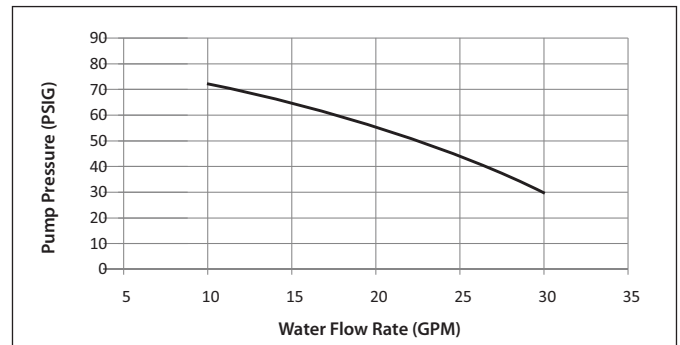
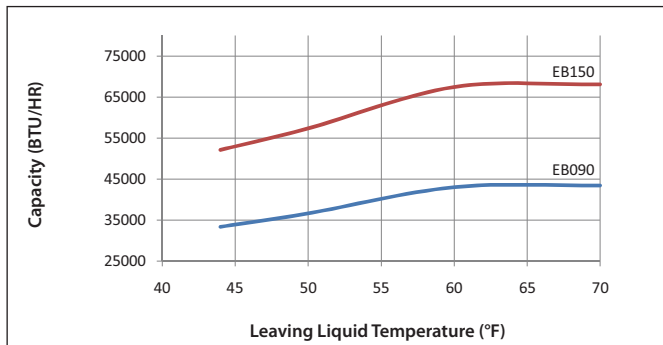
EB 90 WT EB 150 WT Chillers 8300 - 16600 W



Data	EB 90 WT	EB 150 WT	Unit
Part number	Consult Factory	Consult Factory	
Electrics	400-460/3/50-60		V / Ph / Hz
Nominal Capacity*	43000	67500	Btu/hr
Nominal Coolant Flow Rate*	8.6	13.5	gpm
Available Coolant Pressure	50		psig
Power Consumption*	4.30	6.4	kW
Connections - Fluid	1" NPTF		
Coolant Tank Volume	13		gal
Noise level @ 1 m (EN ISO 3741)	72		dB(A)
Maximum Ambient Air Temperature	104		°F
Duty Cycle	100%		%
Electrical Enclosure Rating	IP56		
Construction - Housing	galv. steel w/polyester powder coat		
Width	28		in
Length	30		in
Height	52		in
Weight (without packaging)	126	161	lb

*@ 64F CWS & 90F Amb & 60Hz

1 Ton = 12,000 Btu/h = 3517 Watts = 1 Ton



EB 250 WT
EB 350 WT

EB 450 WT
EB 550 WT

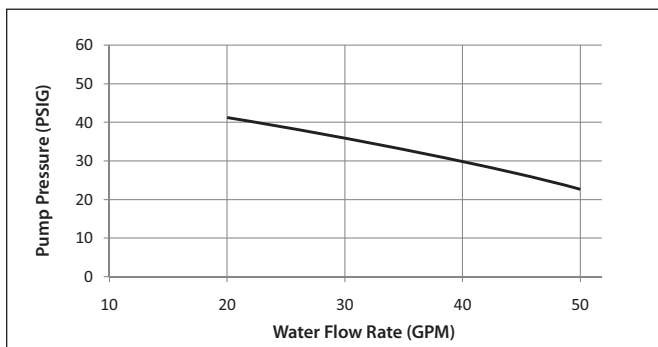
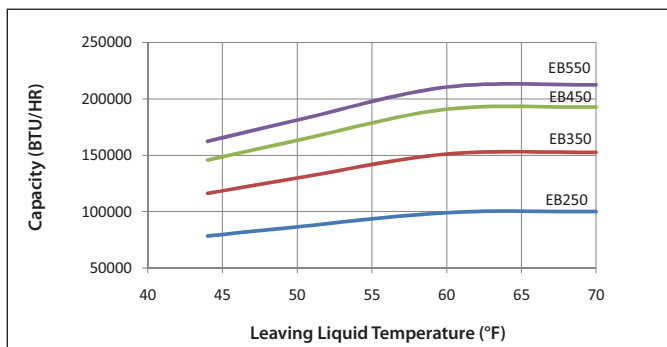
Chillers
21000–27700 W



Data	EB 250 WT	EB 350 WT	EB 450 WT	EB 550 WT	Unit
Part number	Consult Factory	Consult Factory	Consult Factory	Consult Factory	
Electrics	400-460/3/50-60				V / Ph / Hz
Nominal Capacity*	98900	151100	191000	210600	Btu/hr
Nominal Coolant Flow Rate*	19.8	30.2	38.2	42.1	gpm
Available Coolant Pressure	40				psig
Power Consumption*	8.9	11.8	14.7	17.9	kW
Connections - Fluid	1.5" NPTF				
Coolant Tank Volume	35	65			gal
Noise level @ 1 m (EN ISO 3741)	58				dB(A)
Maximum Ambient Air Temperature	104				°F
Duty Cycle	100%				%
Electrical Enclosure Rating	IP56				
Construction - Housing	galv. steel w/polyester powder coat				
Width	30				in
Length	74				in
Height	57				in
Weight (without packaging)	1050	1425	1470	1500	lb

*@ 64F CWS & 90F Amb & 60Hz

1 Ton = 12,000 Btu/h = 3517 Watts = 1 Ton



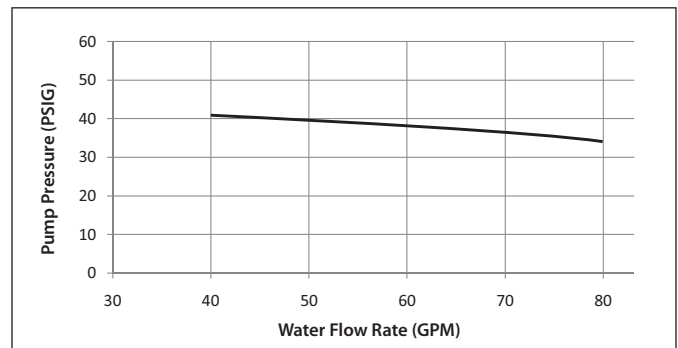
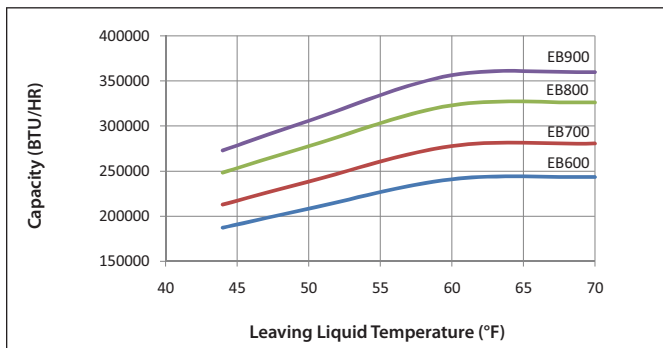
EB 600 WT **EB 800 WT**
EB 700 WT **EB 900 WT**
Chillers
32800–44400 W



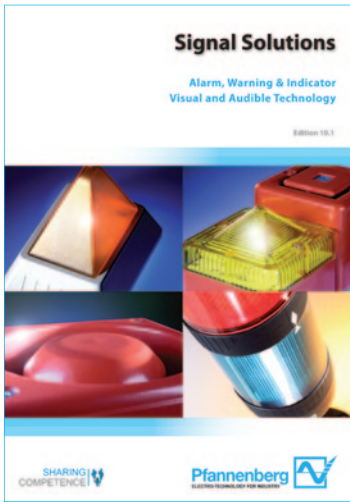
Data	EB 600 WT	EB 700 WT	EB 800 WT	EB 900 WT	Unit
Part number	Consult Factory	Consult Factory	Consult Factory	Consult Factory	
Electrics	400-460/3/50-60				V / Ph / Hz
Nominal Capacity*	241000	278800	323000	356000	Btu/hr
Nominal Coolant Flow Rate*	48.2	55.8	64.6	71.2	gpm
Available Coolant Pressure	40				psig
Power Consumption*	22.4	23.4	25.6	32.4	kW
Connections - Fluid	2" NPTF				
Coolant Tank Volume	90				gal
Noise level @ 1 m (EN ISO 3741)	60				dB(A)
Maximum Ambient Air Temperature	104				°F
Duty Cycle	100%				%
Electrical Enclosure Rating	IP56				
Construction - Housing	galv. steel w/polyester powder coat				
Width	35				in
Length	90				in
Height	82				in
Weight (without packaging)	2000	2200	2400	2500	lb

*@ 64F CWS & 90F Amb & 60Hz

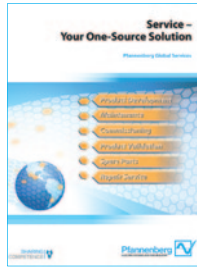
1 Ton = 12,000 Btu/h = 3517 Watts = 1 Ton



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Signal Solutions Guide



Global Service Guide



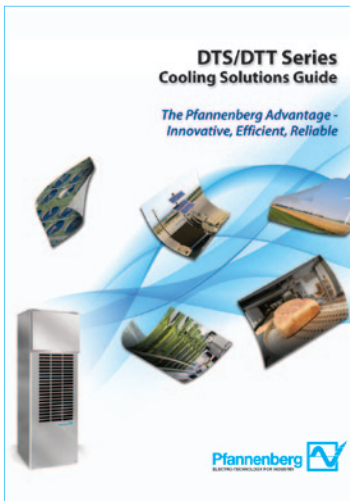
DTT Series Cooling Units



Wind Energy Solutions Guide



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