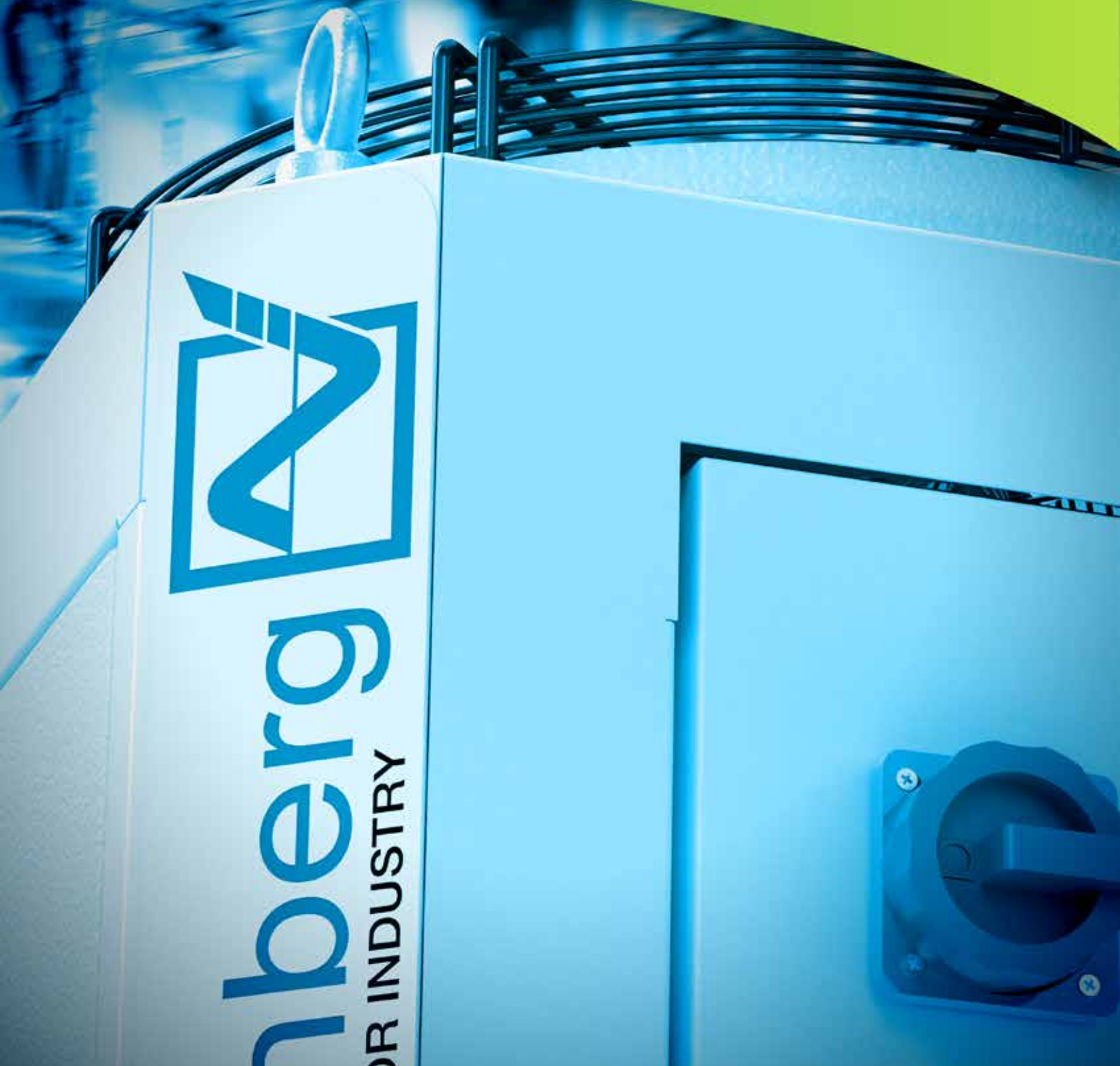


# EB 2.0 ECO CHILLER

## LIQUID COOLING



# EB 2.0 ECO CHILLERS

EB 65 ECO  
EB 95 ECO  
EB 140 ECO

20,473 - 47,770 BTU/hr

Pfannenberg's EB 2.0 ECO chillers take advantage of the inverter technology to ensure a direct response to cooling demand. This keeps both energy consumption and operating cost to a minimum, while the range of cooling capacity and durability of the units is increased significantly. Designed for indoor/outdoor use, they are perfectly suited for heat dissipation in combination with passive indoor cooling systems (PWS/PWW).

#### Indoor/Outdoor Unit

Designed to work in ambient conditions from -4°F to 113°F (-20°C to 45°C). Pfannenberg EB 2.0 Eco Chillers can be used for outdoor applications or to simply remove the heat from your factory: combined with a PWS/PWW heat exchanger, the EB 2.0 Eco Chiller can provide the right cooling in any harsh production environment.

#### Higher Temperature Precision

Rapid and accurate adjustment of cooling capacity to the actual load leads to a significant higher stability of the medium temperature. ( $\pm 0,1$  K).

#### Conformity to Current Regulations

ErP Directive and F-gas regulation are important boundary conditions for your decision. For more information visit our website: [www.pfannenberg.com/f-gas](http://www.pfannenberg.com/f-gas)



#### Standard Features

- Hot gas by-pass refrigerant circuit
- Programmable smart controller
- Internal hydraulic bypass circuit
- Electrical tank level switch
- Coolant flow switch
- Non-ferrous hydraulic circuit
- Wired remote control on/off ready
- R410a environmental friendly refrigerant
- Micro-channel condenser

#### Silent Operation

The EC fans ensure the optimum airflow any time avoiding constantly high noise emissions.

#### Energy and Cost-Saving

Variable speed technology (compressor and fan) combined with efficient refrigerant R410A ensure a reduced energy consumption. The inverter compressor increases operating flexibility (50-100%) while reducing the electrical consumption by up to 65%.

#### Maximum Efficiency in Partial-Load Operation

The chiller automatically adapts to your application so you always have the right dimensioning and high efficiency at any workload.

#### Success on the Field

Our product design is based on customized units that have proven their performance in industrial applications all over the world.



## EB 65/95/140 ECO CHILLERS (20,473 - 47,770 BTU/hr)

Model Number	Rated Voltage AC 50 / 60	Cooling Capacity W64 / A90 (with pump) 60 Hz			Flow Rate (pump)	Pump Pressure	Tank Volume	Connections (medium) IG	Dry Weight (without packaging)
	V ±10 %	BTU/hr	kW	Ton	GPM	psig	gal	BSP	lbs
<b>EB 65 ECO</b> Part Number: 42030655006	400 3~ / 460 3~	20,473	6.5	1.8	5	44	19	1"	330
<b>EB 95 ECO</b> Part Number: 42030955006	400 3~ / 460 3~	32,414	9.5	2.7	7	44	19	1"	374
<b>EB 140 ECO</b> Part Number: 42031405010	400 3~ / 460 3~	47,770	14	4	10	44	19	1"	396

Additional Data	EB 65 ECO	EB 95 ECO	EB 140 ECO
Ambient temp. range	Min: -20°C / -4°F . . . Max: 45°C / 113°F		
Medium	Water / Glycol – 80% / 20%		
Medium temperature (outlet)	55°F to 95°F (13°C to 35°C); Factory Setting 64°F (18°C)		
Target value tolerance (°k)	±0.1k		
Refrigerant type	R410A		
Max Noise level @ 60 Hz (EN ISO 3741)	78 dB		
Application Environment	Indoor / Outdoor		
Design	<b>Housing/Cover:</b> powder coated RAL 7035 (light gray)		

For additional technical data, drawings and templates visit [www.pfannenbergsusa.com](http://www.pfannenbergsusa.com)  
Subject to technical amendments and misprints.

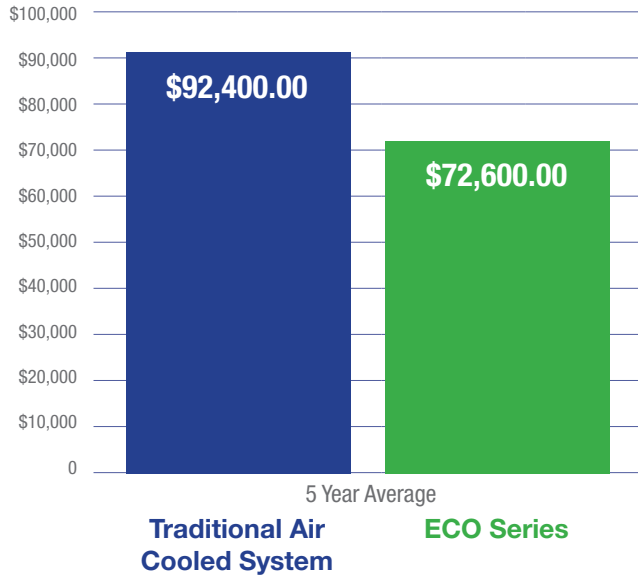
### Dimensions

inches	EB 65 / 95 ECO	EB 140 ECO
X	23.81	23.81
Y	65.98	71.49
Z	30	30





## CUMULATIVE COST OVER 5 YEARS



	TRADITIONAL AIR COOLED SYSTEM	ECO SERIES
KW/HR Cost	.12	.12
Operational Hrs/Yr	5500	5500
KW-Power Consumption of System	28	22
Cost of Standard System Annually	<b>\$18,480</b>	<b>\$14,520</b>
5 Year Cost	<b>\$92,400</b>	<b>\$72,600</b>

Pfannenbergs innovation has made it one of the largest globally operating manufacturers of thermal management and process cooling equipment today. Our wide product range stretches from complete system solutions for machine cooling and enclosure air conditioning to individual warning and signaling components.

**We speak your language** - In addition to manufacturing facilities located on three continents, Pfannenbergs has developed a worldwide network of local subsidiaries and sales partners eager to meet your service needs.

## Global Service

We're there when you need us -  
Worldwide

### Pfannenbergs Service Centers

Germany (headquarters), USA, China, UK, Italy, Brazil, France, Russia, Singapore and India

### Service Support Centers

Visit [www.pfannenbergs.com/support/service/](http://www.pfannenbergs.com/support/service/) for a complete list.

### Service Agents

Serving 42 countries on 5 continents



**Pfannenbergs Sales America, LLC**  
 68 Ward Road  
 Lancaster, New York 14086 USA  
 Phone: 716-685-6866  
 Fax: 716-681-1521  
 Email: [sales@pfannenbergsusa.com](mailto:sales@pfannenbergsusa.com)

Contact Your Local Representative: