

eChiller120

Clean cooling with water as refrigerant

EN378
does not
apply



Illustration incl. all options

F-gas free

100% water

0% GWP

**Cooling capacity
up to 120 kW**

Bluezero® inside

Dimensions and weight

Dimensions: 2.015 mm x
890 mm x 1.950 mm

Operating weight:
1.433 kg incl. FC module

Key benefits of the eChiller series

Future-proof

- 0 % direct CO₂ emissions
- No regulations

Operational Safety

- Odourless, not flammable nor toxic
- Low maintenance effort
- Unrestricted installation

Profitability

- Refrigerant at low cost
- Eligible for State funding programs of natural refrigerants

Energy Efficiency

- Stepless partial load control
- Low starting currents
- Energy-optimized re-cooling system control

eChiller 120

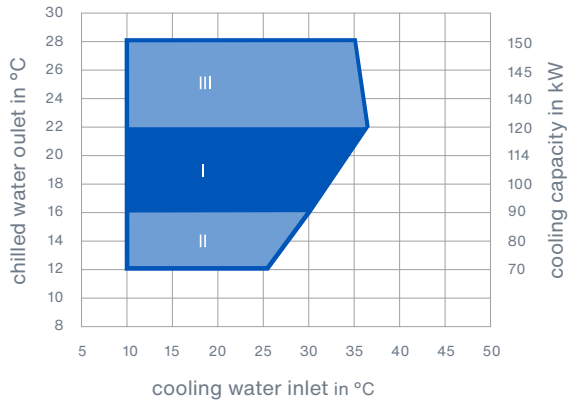
Features

- Cooling capacity: 70 kW to 120 kW
- Re-cooling: adiabatic
- Enhanced partial load control
- Optional free cooling module
- Main-/Assist-control up to 10 units
- Cooling and cold water system control
- Energy consumption reporting

Areas of application

- Industrial process cooling
- Machine and control cabinet cooling
- Data centre and server rooms
- Cooling in buildings

Operating Limits



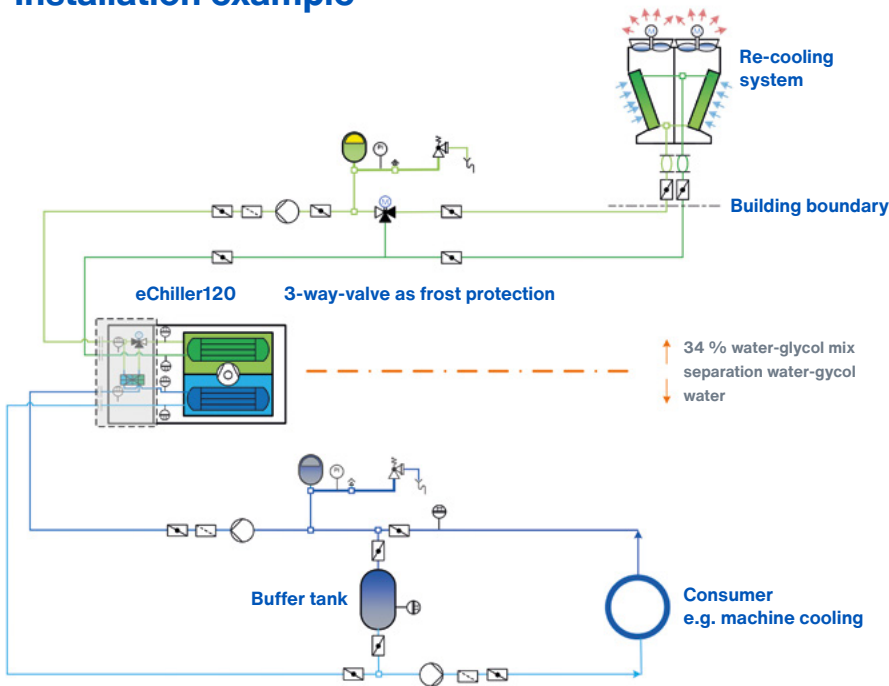
- Legend:
- Operating limits
 - I standard operating area
 - II area I + optional condensation package
 - III extended operating area upon request at Efficient Energy

Performance Values

chilled water outlet	cooling water inlet			
	20 °C	25 °C	30 °C	35 °C
12 °C	70 kW 9	70 kW 7		
14 °C	80 kW 10	80 kW 8		
16 °C	90 kW 12	90 kW 9	90 kW 6	
18 °C	101 kW 15	101 kW 10	101 kW 7	
20 °C	114 kW 20	114 kW 12	114 kW 8	114 kW 7
22 °C	121 kW FC	121 kW 14	121 kW 9	121 kW 7

■ cooling capacity ■ EER-values

Installation example



Find out the new eChiller120 and get to know how to apply the Blue^{zero}® technology in your installation.
echiller120.efficient-energy.de/en