

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

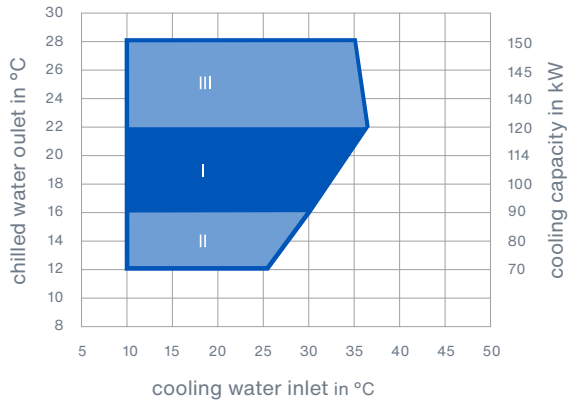
Features

- 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



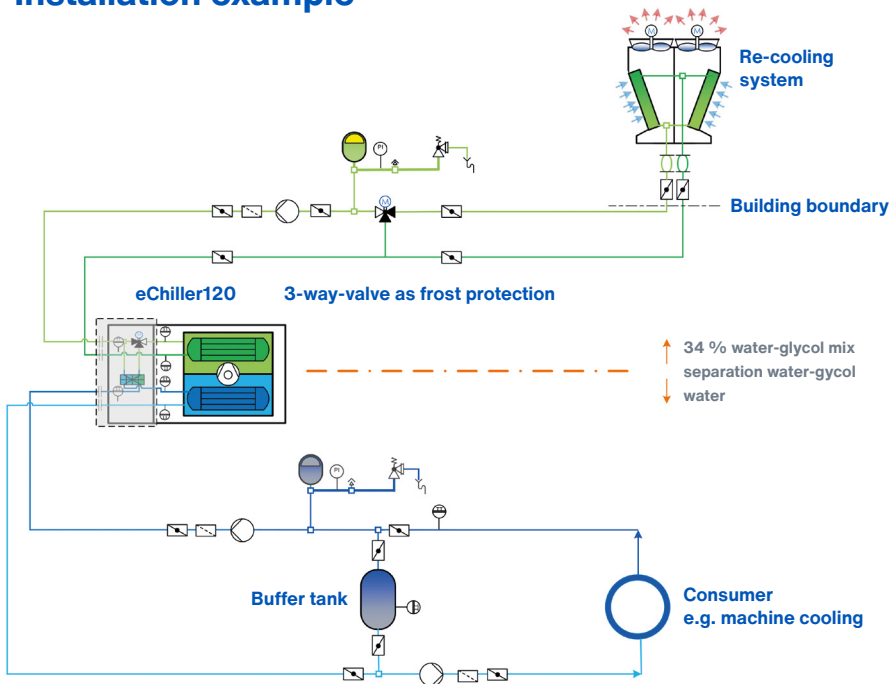
- Legend:
- Operating limits
 - I standard operating area
 - II area I + optional condensation package
 - III extended operating area upon request at Efficient Energy

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