SERIAL RELEASE
ECOLITE LHL7EF

011-2026 // 2026-11-13 // ECOLITE EF

SALES AVAILABILITY
BITZER ECOLITE LHL7EF



ECOLITE EF

- CONDENSING UNITS
- HFO
- FREQUENCY INVERTERS
- MECHATRONIC CAPACITY CONTROL
- BEST SOFTWARE
- ECODESIGN CONFORM

ECOLITE LHL7EF – One unit range – more possibilities
Now released for serial production

The new BITZER ECOLITE LHL7EF extends the proven ECOLITE family with four models for medium- and low-temperature refrigeration applications with refrigeration capacities up to 28kW (MT) and up to 8kW (LT):

LHL7EF/4VE-7Y
LHL7EF/4TE-9Y
LHL7EF/4PE-12Y
LHL7EF/4NE-14Y

The new range offers greater application flexibility and easier stock management. Beneficial are the proven plug-and-play design, straightforward commissioning, convenient access to components and the digital support through BEST SOFTWARE.

The intelligent combination of VARIPACK frequency inverter and CR capacity control ensures that cooling capacity is adjusted to actual demand, supporting reliable and efficient operation.

Four models. Two application ranges. One easy-to-use ECOLITE solution.

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HIGHLIGHTS

PROVEN ECOLITE CONCEPT:
Plug-and play unit, service-friendly design with easy access to the components (enlarged service door)

WIDE REFRIGERATION CAPACITY ADJUSTMENT:
BITZER VARIPACK frequency inverter (30 ..70Hz) in combination with CR mechanical capacity control (100%/50%) for best output to the actual refrigeration demand

BROAD APPLICATION RANGE:
Four models for medium- and low temperature applications with refrigeration capacities from 18.8 to 28.9 kW for medium temperature and 4.8 to 8.0 kW for low temperature (R449A)

FUTURE-READY:
For refrigerants of safety class A2L and A1

SIMPLE COMMISSIONING/OPERATION:
The IQ MODULE CM-RC-02 with extension board CM-IO-C supports convenient set up and operation via BEST App (Bluetooth) or BEST SOFTWARE

REMOTE ACCESS:
via BITZER DIGITAL NETWORK

EXTENSIVE SCOPE OF DELIVERY

- BITZER ECOLINE CE4 semi-hermetic reciprocating compressor
- BITZER VARIPACK (frequency inverter) + CR mechanical capacity control
- IQ MODULE with extension card CM-IO-C; connectivity via Bluetooth or Modbus and BEST app / software
- BITZER liquid receiver with 3 sight glasses
- Weather housing protection
- Air-cooled condenser with 4 fans (speed controlled)
- Approval: CE marking according to PED (pressure equipment directive)
- Approval: A2L application
- Fans for compressor compartment cooling
- Connection for pressure relief valve on liquid receiver
- High and low pressure switch (not adjustable)
- Oil charge BSE32
- Oil heater
- Temperature sensors
- Pressure transmitters (HP/LP)
- Complete piping and wiring

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AVAILABLE OPTIONS

- Oil separator with check valve
- Check valve in liquid line
- Cold room temperature sensor
- Condenser with epoxy-coated fins (lead time on request)
- Condenser with copper fins (lead time on request)
- Heat recovery connection
- Adjustable high and low pressure switch, retrofit kit available
- BITZER DIGITAL NETWORK
- Oil charge: BSE55 or B5.2
- Warrant extension

CONTACT

// Should you have further questions, please feel free to contact:

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