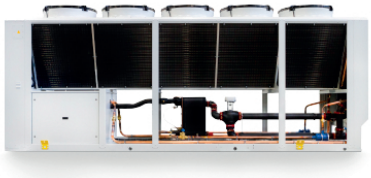
ERAE N MC HE Kr Kp

- Chillers
- Air/Water Cooling Only
- EMICON



Air cooled chillers on R454B type ERAE N MC HE Kr Kp

Air-cooled chillers for the production of chilled water. The units are equipped with scroll compressors with crankcase heaters. Inverter compressors as an option. Axial directly coupled AC fans. Suitable for outdoor installation. Refrigerant R454b. These units are specially designed for cooling medium to large projects. Tandem technology offers multiple capacity stages and increases efficiency at part load. This also improves performance. Microchannel condensing coil. **Only sell to certified air-conditioning installers. Mandatory commissioning by CAIROX.**

Brand
- Emicon

Application
- Outdoor air/water chillers suitable for comfort and process cooling applications

Characteristics
- Cooling capacity: 82 to 340 kW

Composition
- Refrigerant gas R454b with a GWP of 466
- Hermetic scroll compressors
- Power supply 400/3/50
- Microprocessor controller
- Microchannel condensing coil

Options
- PA Rubber vibration dampers
- PM Vibration dampers with springs
- A Ampèremeter
- AE Electrical supply as required e.g. 3 x 230V
- CS Compressor start-up counter
- MF Phase sequence relay
- PQ Remote control
- RF Improvement of cos phi >0.9
- RL Compressor overload relay

- V Voltmeter
- EC fans (instead of frequency controlled fans) operation down to -20°C
- RA Anti-frost heating around the evaporator
- VB Unit suitable for ice water production at low temperature
- P1 1 pump
- P1+MV pump with buffer tank
- P1H 1 pump with higher head pressure
- P2.....
- P2H+MV Pump + Standby pump with high head and buffer tank
- RD Check valve in the discharge line
- TE Electronic expansion valve
- VS Pumpdown valve
- IWG Interface => SNMP or TCP/IP or BACNET IP or MODBUS IP
- I1 Insulation for around Victaulic flanges from pump to hydraulic lines
- I2 Insulation for around Victaulic flanges from tank to hydraulic lines
- GP Condenser guard

Versions

- ERAE N MC Kr

Standard version with Microchannel condenser coil

Order example

ERAE N MC 801 MC HE Kr

Explanation
E = Eurovent
R = Chiller
A = Air
E = Ermetic scroll
80 = Nominal cooling capacity (KW)
1 = Number of cooling circuits
MC = Microchannel condenser coil
Kr = R454B

Specifications												
ERAE N MC HE Kr		801	1001	1301	1501	1651	1701	2102	2402	2702	3102	3502
Cooling capacity	kW	81.9	106	134	146	167	163	214	244	217	303	323
Total power input	kW	23.3	32.1	42.2	46.1	53.7	48	63.8	74.5	87.2	90.5	97.9
SEER		5.19	5.26	4.99	4.86	4.91	4.93	5.46	5.13	5.01	5.21	5.39
Refrigerant type		R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B
Global warming potential refrigerant	GWP	466	466	466	466	466	466	466	466	466	466	466
Precharged refrigerant charge	kg(CO2eq-kg)	12,4(5,78)	12,8(5,96)	16,7(7,78)	17,1(7,97)	17,6(8,20)	24,4(11,37)	26,7(12,44)	28,6(13,33)	28,6(13,33)	39,7(18,5)	39,7(18,5)
Water flow	m³/h	14.11	18.28	23.7	25.2	28.74	28.02	36.88	42.02	46.61	52.06	55.64
Water pressure drop	kPa	33.1	39.1	59.2	54.4	55.9	53.4	29.2	25.2	30.6	36	40.6
Sound pressure level	dB(A)	54	56	59	60	60	59	59	61	62	62	62
Cooling capacity: Outdoor temperature 35°C - chilled water temperature in/out 12/7°C												
Sound pressure level calculated according to ISO 3744 at 10 m distance from the unit												

Dimensions												
ERAE N MC HE Kr		801	1001	1301	1501	1651	1701	2102	2402	2702	3102	3502
L	[mm]	2590	2590	3630	3630	3630	2680	2680	2680	2680	4020	4020
W	[mm]	1370	1370	1370	1370	1370	2260	2260	2260	2260	2260	2260
H	[mm]	2570	2570	2570	2570	2570	2470	2470	2470	2470	2470	2478
Gewicht/Poids	[kg]	1000	1090	1538	1696	1809	1598	1871	1977	1988	2473	2478

Prices

Detailed selection / quotation available on request