

ERAE N Kc



AIR COOLED CHILLERS FOR OUTDOOR INSTALLATION WITH SCROLL COMPRESSOR AND AXIAL FANS

Cooling capacity from 105 to 624 kW



VERSIONS

ERAE N Kc - Standard version

ERAE N U Kc - Ultra-silenced version (U)

WA - Warm applications version

AM - Abroad market version

Packaged air cooled chillers of ERAE N Kc series are suitable for outdoor installation and can be used to cool pure fluid solutions for air conditioning or in industrial applications.

Multiscroll technology allows to reach great efficiency improvements at part load, if compared to the other traditional systems for cooling capacity control.

The coupling of high-efficiency finned exchangers and the thermo physical purity of R410A refrigerant, particularly glide-free at state exchanges, allows this range to attain good nominal performances and to meet the requirements for seasonal efficiency foreseen by the (EU) Regulation 2016/2281.

These units have been designed considering limited space requirements and keeping, at the same time, high cooling performances. Such result has been attained with high-quality and up-to-date components.

All units are completely assembled and tested in the factory with specific quality procedures and are already equipped with all necessary hydraulic, refrigerant and electrical connections for a quick installation on site.

Before factory testing, cooling circuits are tested under pressure and then supplied with R410a refrigerant and a non-freezing oil charge.

Units CE certified in compliance with the European regulation 2016/2281 ERP 2021.

MAIN COMPONENTS

STRUCTURE

Realized with frame made up of hot galvanized steel sheet and RAL 7035 painted, suitable to resist to atmospheric agents. Compressors and main components are easily accessible and suitably placed in the technical room.

COMPRESSORS

With R410a refrigerant, operating on one single circuit or on two independent circuits in either tandem or trio version. The compressors are installed on rubber isolation dampers, provided with direct-start motors cooled by suction gas and fitted with both overload protection and crankcase heaters. They are charged with polyester oil and the terminal board is IP54. The on-board microprocessor automatically controls the individual compressors to regulate the cooling capacity.

EVAPORATOR

Of single or dual circuit type, with high thickness close cell insulation and UV ray-proof. The evaporator is also equipped with safety water flow switch switching off the unit in case of low water flow through the evaporator.

COILS

With micro-finned copper tubes, positioned in staggered rows and mechanically expanded into an aluminium finned pack. Fins are designed with such a shape providing the highest heat exchange efficiency (turbo-fin). The max operating pressure refrigerant side is 45 relative bar.

FANS

With external rotor directly coupled to a three-phase electronically commutated motor (EC) they have the possibility of a continuous regulation of the speed by means of a 0-10V signal completely managed by the microprocessor. Aluminum blades with wings profile are suitably designed to avoid any turbulence in the air detachment zone, granting in this way the max efficiency with the minimum noise level. The fan is equipped with galvanized steel protection grid painted after the construction. Thanks to a more accurate adjustment of air flow, they allow operation of the unit with external temperature down to -20 °C.

FANS WITH INVERTER (SIZES 35120÷40020)

With 6-poles electrical motor with external rotor directly coupled to the impeller and driven by a V/F inverter system which

controls the condensation temperature. Aluminum blades with wings profile are suitably designed to avoid any turbulence in the air detachment zone, granting in this way the max efficiency with the minimum noise level. The fan is equipped with galvanized steel protection grid painted after the construction. The fan motors are of totally closed type and have got a protection factor IP54 and protection winding-flooded thermostat.

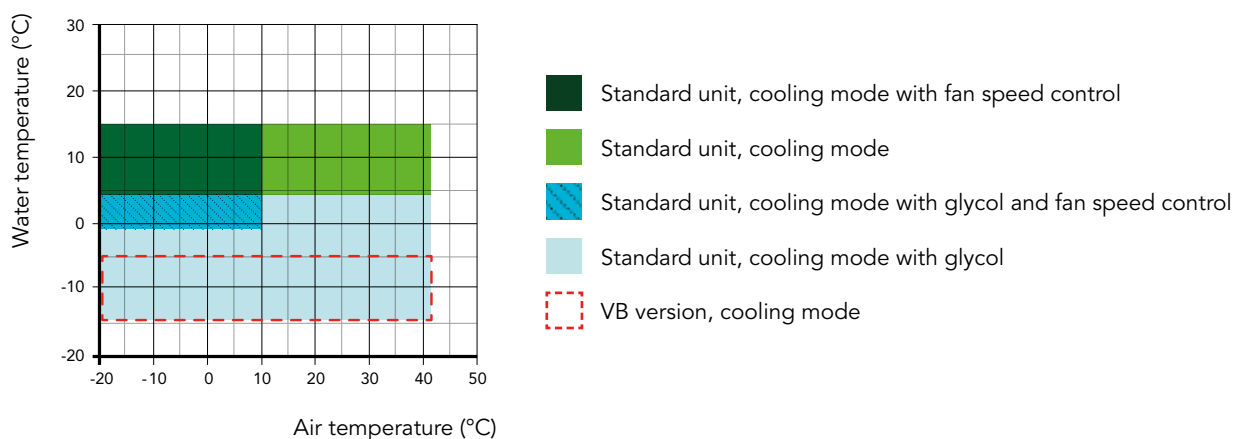
COOLING CIRCUIT

Each provided with a shut-off valve for refrigerant charge, antifreeze sensor, shut-off valves on liquid lines, sight glass, dehydrating filter, high-pressure safety device on high pressure refrigerant side and electronic thermostatic expansion valve, as well as high and low pressure switches and gauges.

ELECTRICAL BOARD

Built in compliance with CE Norms, inside of which are placed the control system and the components for motors starting, wired and tested in the factory. It is made by a cabinet suitable for outdoor installation, containing power and control devices, microprocessor electronic board complete with keypad and display, for visualizing the several functions available, main switch of lock-door type, isolation transformer for auxiliary circuits, automatic switches, fuses and protection switches for compressors and fans, terminals for general alarm and remote ON/OFF, terminal board and possibility to interface to BMS systems.

OPERATING RANGE



ACCESSORIES

ERAE N Kc		12010	14010	15510	16020	19020	24020	28020
Amperometer	A	--	--	--	o	o	o	o
Electrical power supply different than standard	AE	--	--	--	□	□	□	□
Operation in cooling mode down to -10°C	BT	●	●	●	●	●	●	●
Soundproofed compressors cabinet with standard material	CF	--	--	--	o	o	o	o
Overall compressor and technical compartment cabinet	CFT	--	--	--	o	o	o	o
Compressors inrush counter	CS	--	--	--	o	o	o	o
Axial fans with electronic commutated motor	EC	●	●	●	●	●	●	●
Condensing coil protection grid	GP	--	--	--	o	o	o	o
Anti-intrusion grid	GP2	--	--	--	o	o	o	o
Anti-intrusion grid with compressors cabinet	GP3	--	--	--	o	o	o	o
Victaulic insulation on pump side	I1	--	--	--	o	o	o	o
RS 485 Serial interface	IH	o	o	o	o	o	o	o
LON Protocol serial interface	IH-LON	--	--	--	o	o	o	o
Seawood packing	IM	--	--	--	o	o	o	o
TCP/IP Protocol serial interface	IWG	--	--	--	o	o	o	o
Phase monitor	MF	--	--	--	o	o	o	o
High and low pressure gauges	MT	o	o	o	--	--	--	--
Buffer tank module	MV	--	--	--	o	o	o	o
Antifreeze kit for pump/s	NSP	o	o	o	--	--	--	--
Antifreeze kit for pump/s + tank	NSPS	o	o	o	--	--	--	--
Pump group	P1	o	o	o	o	o	o	o
Pump group + tank	P1+MV	o	o	o	o	o	o	o
Higher available pressure pump group	P1H	o	o	o	o	o	o	o
Higher available pressure pump group + tank	P1H+MV	o	o	o	o	o	o	o
Double pump group	P2	o	o	o	o	o	o	o
Double pump group + tank	P2+MV	o	o	o	o	o	o	o
Higher available pressure double pump group	P2H	o	o	o	o	o	o	o
Higher available pressure double pump group + tank	P2H+MV	o	o	o	o	o	o	o
Rubber-type vibration dampers	PA	o	o	o	o	o	o	o
Spring-type vibration dampers	PM	o	o	o	o	o	o	o
Remote display	PQ	o	o	o	o	o	o	o
In-line twin pump group (only one working)	PT	o	o	o	o	o	o	o
In-line twin pump group (only one working) + tank	PT+MV	o	o	o	o	o	o	o
Anti-freeze heater on evaporator	RA	o	o	o	o	o	o	o
Shut-off valve on compressors discharge side	RD	--	--	--	o	o	o	o
Power factor correction system cosfi ≥0,9	RF	--	--	--	o	o	o	o
Shut-off valve on compressors suction side	RH	--	--	--	o	o	o	o
Compressor overload relays	RL	--	--	--	o	o	o	o
Condensing coil with pre-painted fins	RM	--	--	--	o	o	o	o
Partial heat recovery	RP	--	--	--	o	o	o	o
Copper/Copper coil	RR	--	--	--	o	o	o	o
Total heat recovery	RT	--	--	--	o	o	o	o
Personalized frame painting	RV	--	--	--	o	o	o	o
Electronic soft starter	SF	o	o	o	--	--	--	--
Electronic thermostatic valve	TE	o	o	o	●	●	●	●
Voltmeter	V	--	--	--	o	o	o	o
Brine Version	VB	o	o	o	o	o	o	o
Solenoid valve	VS	o	o	o	o	o	o	o

● Standard, o Optional, -- Not available

ERAE N Kc		32020	35120	40020	46020	51020	55020	59020
Amperometer	A	o	o	o	o	o	o	o
Electrical power supply different than standard	AE	□	□	□	□	□	□	□
Operation in cooling mode down to -10°C	BT	•	•	•	•	•	•	•
Soundproofed compressors cabinet with standard material	CF	o	o	o	o	o	o	o
Overall compressor and technical compartment cabinet	CFT	o	o	o	--	--	--	--
Compressors inrush counter	CS	o	o	o	o	o	o	o
Axial fans with electronic commutated motor	EC	•	o	o	•	•	•	•
Condensing coil protection grid	GP	o	o	o	o	o	o	o
Anti-intrusion grid	GP2	o	o	o	o	o	o	o
Anti-intrusion grid with compressors cabinet	GP3	o	o	o	o	o	o	o
Victaulic insulation on pump side	I1	o	o	o	o	o	o	o
RS 485 Serial interface	IH	o	o	o	o	o	o	o
LON Protocol serial interface	IH-LON	o	o	o	o	o	o	o
Seawood packing	IM	o	o	o	o	o	o	o
TCP/IP Protocol serial interface	IWG	o	o	o	o	o	o	o
Phase monitor	MF	o	o	o	o	o	o	o
High and low pressure gauges	MT	--	--	--	--	--	--	--
Buffer tank module	MV	o	o	o	o	o	o	o
Antifreeze kit for pump/s	NSP	--	--	--	--	--	--	--
Antifreeze kit for pump/s + tank	NSPS	--	--	--	--	--	--	--
Pump group	P1	o	o	o	o	o	o	o
Pump group + tank	P1+MV	o	o	o	o	o	o	o
Higher available pressure pump group	P1H	o	o	o	o	o	o	o
Higher available pressure pump group + tank	P1H+MV	o	o	o	o	o	o	o
Double pump group	P2	o	o	o	o	o	o	o
Double pump group + tank	P2+MV	o	o	o	o	o	o	o
Higher available pressure double pump group	P2H	o	o	o	o	o	o	o
Higher available pressure double pump group + tank	P2H+MV	o	o	o	o	o	o	o
Rubber-type vibration dampers	PA	o	o	o	o	o	o	o
Spring-type vibration dampers	PM	o	o	o	o	o	o	o
Remote display	PQ	o	o	o	o	o	o	o
In-line twin pump group (only one working)	PT	o	o	o	o	o	o	o
In-line twin pump group (only one working) + tank	PT+MV	o	o	o	o	o	o	o
Anti-freeze heater on evaporator	RA	o	o	o	o	o	o	o
Shut-off valve on compressors discharge side	RD	o	o	o	o	o	o	o
Power factor correction system cosfi ≥0,9	RF	o	o	o	o	o	o	o
Shut-off valve on compressors suction side	RH	o	o	o	o	o	o	o
Compressor overload relays	RL	o	o	o	o	o	o	o
Condensing coil with pre-painted fins	RM	o	o	o	o	o	o	o
Partial heat recovery	RP	o	o	o	o	o	o	o
Copper/Copper coil	RR	o	o	o	o	o	o	o
Total heat recovery	RT	o	o	o	o	o	o	o
Personalized frame painting	RV	o	o	o	o	o	o	o
Electronic soft starter	SF	--	--	--	--	--	--	--
Electronic thermostatic valve	TE	•	•	•	•	•	•	•
Voltmeter	V	o	o	o	o	o	o	o
Brine Version	VB	o	o	o	o	o	o	o
Solenoid valve	VS	o	o	o	o	o	o	o

• Standard, o Optional, -- Not available

ERA E N U KC		14010	15510	16020	19020	20010	24020	28020
Amperometer	A	--	--	o	o	--	o	o
Electrical power supply different than standard	AE	--	--	□	□	--	□	□
Operation in cooling mode down to -10°C	BT	●	●	●	--	●	--	--
Overall compressor and technical compartment cabinet	CFT	--	--	o	o	--	o	o
Compressors inrush counter	CS	--	--	o	o	--	o	o
Axial fans with electronic commutated motor	EC	●	●	●	●	●	●	●
Condensing coil protection grid	GP	--	--	o	o	--	o	o
Anti-intrusion grid	GP2	--	--	o	o	--	o	o
Anti-intrusion grid with compressors cabinet	GP3	--	--	o	o	--	o	o
Victaulic insulation on pump side	I1	--	--	o	o	--	o	o
RS 485 Serial interface	IH	o	o	o	o	o	o	o
LON Protocol serial interface	IH-LON	--	--	o	o	--	o	o
Seawood packing	IM	--	--	o	o	--	o	o
TCP/IP Protocol serial interface	IWG	--	--	o	o	--	o	o
Phase monitor	MF	--	--	o	o	--	o	o
High and low pressure gauges	MT	o	o	--	--	o	--	--
Buffer tank module	MV	--	--	o	o	--	o	●
Antifreeze kit for pump/s	NSP	o	o	--	--	o	--	--
Antifreeze kit for pump/s + tank	NSPS	o	o	--	--	o	--	--
Pump group	P1	o	o	o	o	o	o	o
Pump group + tank	P1+MV	o	o	o	o	o	o	o
Higher available pressure pump group	P1H	o	o	o	o	o	o	o
Higher available pressure pump group + tank	P1H+MV	o	o	o	o	o	o	o
Double pump group	P2	o	o	o	o	o	o	o
Double pump group + tank	P2+MV	o	o	o	o	o	o	o
Higher available pressure double pump group	P2H	o	o	o	o	o	o	o
Higher available pressure double pump group + tank	P2H+MV	o	o	o	o	o	o	o
Rubber-type vibration dampers	PA	o	o	o	o	o	o	o
Spring-type vibration dampers	PM	o	o	o	o	o	o	o
Remote display	PQ	o	o	o	o	o	o	o
In-line twin pump group (only one working)	PT	o	o	o	o	o	o	o
In-line twin pump group (only one working) + tank	PT+MV	o	o	o	o	o	o	o
Anti-freeze heater on evaporator	RA	o	o	o	o	o	o	o
Shut-off valve on compressors discharge side	RD	--	--	o	o	--	o	o
Power factor correction system cosφ ≥ 0,9	RF	--	--	o	o	--	o	o
Shut-off valve on compressors suction side	RH	--	--	o	o	--	o	o
Compressor overload relays	RL	--	--	o	o	--	o	o
Condensing coil with pre-painted fins	RM	--	--	o	o	--	o	o
Partial heat recovery	RP	o	o	o	o	o	o	o
Copper/Copper coil	RR	--	--	o	o	--	o	o
Total heat recovery	RT	--	--	o	o	--	o	o
Personalized frame painting	RV	--	--	o	o	--	o	o
Electronic soft starter	SF	o	o	--	--	o	--	--
Electronic thermostatic valve	TE	●	●	●	●	●	●	●
Voltmeter	V	--	--	o	o	--	o	o
Brine Version	VB	o	o	o	o	o	o	o
Solenoid valve	VS	o	o	o	o	o	o	o

● Standard, o Optional, -- Not available

ERAE N U Kc		32020	35120	40020	46020	51020	55020	59020
Amperometer	A	o	o	o	o	o	o	o
Electrical power supply different than standard	AE	□	□	□	□	□	□	□
Operation in cooling mode down to -10°C	BT	●	●	●	●	●	●	●
Overall compressor and technical compartment cabinet	CFT	o	o	o	--	--	--	--
Compressors inrush counter	CS	o	o	o	o	o	o	o
Axial fans with electronic commutated motor	EC	●	o	o	●	●	●	●
Condensing coil protection grid	GP	o	o	o	o	o	o	o
Anti-intrusion grid	GP2	o	o	o	o	o	o	o
Anti-intrusion grid with compressors cabinet	GP3	o	o	o	o	o	o	o
Victaulic insulation on pump side	I1	o	o	o	o	o	o	o
RS 485 Serial interface	IH	o	o	o	o	o	o	o
LON Protocol serial interface	IH-LON	o	o	o	o	o	o	o
Seawood packing	IM	o	o	o	o	o	o	o
TCP/IP Protocol serial interface	IWG	o	o	o	o	o	o	o
Phase monitor	MF	o	o	o	o	o	o	o
High and low pressure gauges	MT	--	--	--	--	--	--	--
Buffer tank module	MV	o	o	o	o	o	o	o
Antifreeze kit for pump/s	NSP	--	--	--	--	--	--	--
Antifreeze kit for pump/s + tank	NSPS	--	--	--	--	--	--	--
Pump group	P1	o	o	o	o	o	o	o
Pump group + tank	P1+MV	o	o	o	o	o	o	o
Higher available pressure pump group	P1H	o	o	o	o	o	o	o
Higher available pressure pump group + tank	P1H+MV	o	o	o	o	o	o	o
Double pump group	P2	o	o	o	o	o	o	o
Double pump group + tank	P2+MV	o	o	o	o	o	o	o
Higher available pressure double pump group	P2H	o	o	o	o	o	o	o
Higher available pressure double pump group + tank	P2H+MV	o	o	o	o	o	o	o
Rubber-type vibration dampers	PA	o	o	o	o	o	o	o
Spring-type vibration dampers	PM	o	o	o	o	o	o	o
Remote display	PQ	o	o	o	o	o	o	o
In-line twin pump group (only one working)	PT	o	o	o	o	o	o	o
In-line twin pump group (only one working) + tank	PT+MV	o	o	o	o	o	o	o
Anti-freeze heater on evaporator	RA	o	o	o	o	o	o	o
Shut-off valve on compressors discharge side	RD	o	o	o	o	o	o	o
Power factor correction system cosφ ≥ 0,9	RF	o	o	o	o	o	o	o
Shut-off valve on compressors suction side	RH	o	o	o	o	o	o	o
Compressor overload relays	RL	o	o	o	o	o	o	o
Condensing coil with pre-painted fins	RM	o	o	o	o	o	o	o
Partial heat recovery	RP	o	o	o	o	o	o	o
Copper/Copper coil	RR	o	o	o	o	o	o	o
Total heat recovery	RT	o	o	o	o	o	o	o
Personalized frame painting	RV	o	o	o	o	o	o	o
Electronic soft starter	SF	--	--	--	--	--	--	--
Electronic thermostatic valve	TE	●	●	●	●	●	●	●
Voltmeter	V	o	o	o	o	o	o	o
Brine Version	VB	o	o	o	o	o	o	o
Solenoid valve	VS	o	o	o	o	o	o	o

● Standard, o Optional, -- Not available

ERAE N AM Kc		16020	19020	24020	28020	32020	35120
Amperometer	A	o	o	o	o	o	o
Electrical power supply different than standard	AE	□	□	□	□	□	□
Operation in cooling mode down to -20°C	BF	o	o	o	o	o	o
Operation in cooling mode down to -10°C	BT	o	o	o	o	o	o
Soundproofed compressors cabinet with standard material	CF	o	o	o	o	o	o
Overall compressor and technical compartment cabinet	CFT	o	o	o	o	o	o
Compressors inrush counter	CS	o	o	o	o	o	o
Axial fans with electronic commutated motor	EC	o	o	o	o	o	o
Condensing coil protection grid	GP	o	o	o	o	o	o
Anti-intrusion grid	GP2	o	o	o	o	o	o
Anti-intrusion grid with compressors cabinet	GP3	o	o	o	o	o	o
Victaulic insulation on pump side	I1	o	o	o	o	o	o
Victaulic insulation buffer tank side	I2	o	o	o	o	o	o
RS 485 Serial interface	IH	o	o	o	o	o	o
LON Protocol serial interface	IH-LON	o	o	o	o	o	o
Seawood packing	IM	o	o	o	o	o	o
TCP/IP Protocol serial interface	IWG	o	o	o	o	o	o
Buffer tank module	MV	o	o	o	o	o	o
Pump group	P1	o	o	o	o	o	o
Pump group + tank	P1+MV	o	o	o	o	o	o
Higher available pressure pump group	P1H	o	o	o	o	o	o
Higher available pressure pump group + tank	P1H+MV	o	o	o	o	o	o
Double pump group	P2	o	o	o	o	o	o
Double pump group + tank	P2+MV	o	o	o	o	o	o
Higher available pressure double pump group	P2H	o	o	o	o	o	o
Higher available pressure double pump group + tank	P2H+MV	o	o	o	o	o	o
Rubber-type vibration dampers	PA	o	o	o	o	o	o
Spring-type vibration dampers	PM	o	o	o	o	o	o
Remote display	PQ	o	o	o	o	o	o
In-line twin pump group (only one working)	PT	o	o	o	o	o	o
In-line twin pump group (only one working) + tank	PT+MV	o	o	o	o	o	o
Anti-freeze heater on evaporator	RA	o	o	o	o	o	o
Shut-off valve on compressors discharge side	RD	o	o	o	o	o	o
Power factor correction system cosφ ≥ 0,9	RF	o	o	o	o	o	o
Shut-off valve on compressors suction side	RH	o	o	o	o	o	o
Compressor overload relays	RL	o	o	o	o	o	o
Condensing coil with pre-painted fins	RM	o	o	o	o	o	o
Partial heat recovery	RP	o	o	o	o	o	o
Copper/Copper coil	RR	o	o	o	o	o	o
Total heat recovery	RT	o	o	o	o	o	o
Personalized frame painting	RV	o	o	o	o	o	o
Electronic thermostatic valve	TE	o	o	o	o	o	●
Voltmeter	V	o	o	o	o	o	o
Brine Version	VB	o	o	o	o	o	o
Solenoid valve	VS	o	o	o	o	o	o

• Standard, o Optional, -- Not available

ERAE N AM Kc		40020	46020	51020	55020	59020
Amperometer	A	o	o	o	o	o
Electrical power supply different than standard	AE	□	□	□	□	□
Operation in cooling mode down to -20°C	BF	o	o	o	o	o
Operation in cooling mode down to -10°C	BT	o	o	o	o	o
Soundproofed compressors cabinet with standard material	CF	o	o	o	o	o
Overall compressor and technical compartment cabinet	CFT	o	o	o	--	--
Compressors inrush counter	CS	o	o	o	o	o
Axial fans with electronic commutated motor	EC	o	o	o	o	o
Condensing coil protection grid	GP	o	o	o	o	o
Anti-intrusion grid	GP2	o	o	o	o	o
Anti-intrusion grid with compressors cabinet	GP3	o	o	o	o	o
Victaulic insulation on pump side	I1	o	o	o	o	o
Victaulic insulation buffer tank side	I2	o	o	o	o	o
RS 485 Serial interface	IH	o	o	o	o	o
LON Protocol serial interface	IH-LON	o	o	o	o	o
Seawood packing	IM	o	o	o	o	o
TCP/IP Protocol serial interface	IWG	o	o	o	o	o
Buffer tank module	MV	o	o	o	o	o
Pump group	P1	o	o	o	o	o
Pump group + tank	P1+MV	o	o	o	o	o
Higher available pressure pump group	P1H	o	o	o	o	o
Higher available pressure pump group + tank	P1H+MV	o	o	o	o	o
Double pump group	P2	o	o	o	o	o
Double pump group + tank	P2+MV	o	o	o	o	o
Higher available pressure double pump group	P2H	o	o	o	o	o
Higher available pressure double pump group + tank	P2H+MV	o	o	o	o	o
Rubber-type vibration dampers	PA	o	o	o	o	o
Spring-type vibration dampers	PM	o	o	o	o	o
Remote display	PQ	o	o	o	o	o
In-line twin pump group (only one working)	PT	o	o	o	o	o
In-line twin pump group (only one working) + tank	PT+MV	o	o	o	o	o
Anti-freeze heater on evaporator	RA	o	o	o	o	o
Shut-off valve on compressors discharge side	RD	o	o	o	o	o
Power factor correction system cosfi ≥0,9	RF	o	o	o	o	o
Shut-off valve on compressors suction side	RH	o	o	o	o	o
Compressor overload relays	RL	o	o	o	o	o
Condensing coil with pre-painted fins	RM	o	o	o	o	o
Partial heat recovery	RP	o	o	o	o	o
Copper/Copper coil	RR	o	o	o	o	o
Total heat recovery	RT	o	o	o	o	o
Personalized frame painting	RV	o	o	o	o	o
Electronic thermostatic valve	TE	●	●	●	●	●
Voltmeter	V	o	o	o	o	o
Brine Version	VB	o	o	o	o	o
Solenoid valve	VS	o	o	o	o	o

• Standard, o Optional, -- Not available

ERA E N AM U Kc		16020	19020	24020	28020	32020	35120
Amperometer	A	o	o	o	o	o	o
Electrical power supply different than standard	AE	□	□	□	□	□	□
Operation in cooling mode down to -20°C	BF	o	o	o	o	o	o
Operation in cooling mode down to -10°C	BT	o	o	o	o	o	o
Overall compressor and technical compartment cabinet	CFT	o	o	o	o	o	o
Compressors inrush counter	CS	o	o	o	o	o	o
Axial fans with electronic commutated motor	EC	o	o	o	o	o	o
Condensing coil protection grid	GP	o	o	o	o	o	o
Anti-intrusion grid	GP2	o	o	o	o	o	o
Anti-intrusion grid with compressors cabinet	GP3	o	o	o	o	o	o
Victaulic insulation on pump side	I1	o	o	o	o	o	o
Victaulic insulation buffer tank side	I2	o	o	o	o	o	o
RS 485 Serial interface	IH	o	o	o	o	o	o
LON Protocol serial interface	IH-LON	o	o	o	o	o	o
Seawood packing	IM	o	o	o	o	o	o
TCP/IP Protocol serial interface	IWG	o	o	o	o	o	o
Buffer tank module	MV	o	o	o	o	o	o
Pump group	P1	o	o	o	o	o	o
Pump group + tank	P1+MV	o	o	o	o	o	o
Higher available pressure pump group	P1H	o	o	o	o	o	o
Higher available pressure pump group + tank	P1H+MV	o	o	o	o	o	o
Double pump group	P2	o	o	o	o	o	o
Double pump group + tank	P2+MV	o	o	o	o	o	o
Higher available pressure double pump group	P2H	o	o	o	o	o	o
Higher available pressure double pump group + tank	P2H+MV	o	o	o	o	o	o
Rubber-type vibration dampers	PA	o	o	o	o	o	o
Spring-type vibration dampers	PM	o	o	o	o	o	o
Remote display	PQ	o	o	o	o	o	o
In-line twin pump group (only one working)	PT	o	o	o	o	o	o
In-line twin pump group (only one working) + tank	PT+MV	o	o	o	o	o	o
Anti-freeze heater on evaporator	RA	o	o	o	o	o	o
Shut-off valve on compressors discharge side	RD	o	o	o	o	o	o
Power factor correction system cosφ ≥ 0,9	RF	o	o	o	o	o	o
Shut-off valve on compressors suction side	RH	o	o	o	o	o	o
Compressor overload relays	RL	o	o	o	o	o	o
Condensing coil with pre-painted fins	RM	o	o	o	o	o	o
Partial heat recovery	RP	o	o	o	o	o	o
Copper/Copper coil	RR	o	o	o	o	o	o
Total heat recovery	RT	o	o	o	o	o	o
Personalized frame painting	RV	o	o	o	o	o	o
Electronic thermostatic valve	TE	o	o	o	o	o	●
Voltmeter	V	o	o	o	o	o	o
Brine Version	VB	o	o	o	o	o	o
Solenoid valve	VS	o	o	o	o	o	o

● Standard, o Optional, -- Not available

ERAE N AM U Kc		40020	46020	51020	55020	59020
Amperometer	A	o	o	o	o	o
Electrical power supply different than standard	AE	□	□	□	□	□
Operation in cooling mode down to -20°C	BF	o	o	o	o	o
Operation in cooling mode down to -10°C	BT	o	o	o	o	o
Overall compressor and technical compartment cabinet	CFT	o	o	o	--	--
Compressors inrush counter	CS	o	o	o	o	o
Axial fans with electronic commutated motor	EC	o	o	o	o	o
Condensing coil protection grid	GP	o	o	o	o	o
Anti-intrusion grid	GP2	o	o	o	o	o
Anti-intrusion grid with compressors cabinet	GP3	o	o	o	o	o
Victaulic insulation on pump side	I1	o	o	o	o	o
Victaulic insulation buffer tank side	I2	o	o	o	o	o
RS 485 Serial interface	IH	o	o	o	o	o
LON Protocol serial interface	IH-LON	o	o	o	o	o
Seawood packing	IM	o	o	o	o	o
TCP/IP Protocol serial interface	IWG	o	o	o	o	o
Buffer tank module	MV	o	o	o	o	o
Pump group	P1	o	o	o	o	o
Pump group + tank	P1+MV	o	o	o	o	o
Higher available pressure pump group	P1H	o	o	o	o	o
Higher available pressure pump group + tank	P1H+MV	o	o	o	o	o
Double pump group	P2	o	o	o	o	o
Double pump group + tank	P2+MV	o	o	o	o	o
Higher available pressure double pump group	P2H	o	o	o	o	o
Higher available pressure double pump group + tank	P2H+MV	o	o	o	o	o
Rubber-type vibration dampers	PA	o	o	o	o	o
Spring-type vibration dampers	PM	o	o	o	o	o
Remote display	PQ	o	o	o	o	o
In-line twin pump group (only one working)	PT	o	o	o	o	o
In-line twin pump group (only one working) + tank	PT+MV	o	o	o	o	o
Anti-freeze heater on evaporator	RA	o	o	o	o	o
Shut-off valve on compressors discharge side	RD	o	o	o	o	o
Power factor correction system cosφ ≥ 0,9	RF	o	o	o	o	o
Shut-off valve on compressors suction side	RH	o	o	o	o	o
Compressor overload relays	RL	o	o	o	o	o
Condensing coil with pre-painted fins	RM	o	o	o	o	o
Partial heat recovery	RP	o	o	o	o	o
Copper/Copper coil	RR	o	o	o	o	o
Total heat recovery	RT	o	o	o	o	o
Personalized frame painting	RV	o	o	o	o	o
Electronic thermostatic valve	TE	●	●	●	●	●
Voltmeter	V	o	o	o	o	o
Brine Version	VB	o	o	o	o	o
Solenoid valve	VS	o	o	o	o	o

● Standard, o Optional, -- Not available

ERAЕ N WA Kc		16020	19020	24020	28020	32020	35120
Amperometer	A	o	o	o	o	o	o
Electrical power supply different than standard	AE	□	□	□	□	□	□
Operation in cooling mode down to -20°C	BF	o	o	o	o	o	o
Operation in cooling mode down to -10°C	BT	o	o	o	o	o	o
Soundproofed compressors cabinet with standard material	CF	o	o	o	o	o	o
Overall compressor and technical compartment cabinet	CFT	o	o	o	o	o	o
Compressors inrush counter	CS	o	o	o	o	o	o
Axial fans with electronic commutated motor	EC	o	o	o	o	o	o
Condensing coil protection grid	GP	o	o	o	o	o	o
Anti-intrusion grid	GP2	o	o	o	o	o	o
Anti-intrusion grid with compressors cabinet	GP3	o	o	o	o	o	o
Victaulic insulation on pump side	I1	o	o	o	o	o	o
Victaulic insulation buffer tank side	I2	o	o	o	o	o	o
RS 485 Serial interface	IH	o	o	o	o	o	o
LON Protocol serial interface	IH-LON	o	o	o	o	o	o
Seawood packing	IM	o	o	o	o	o	o
TCP/IP Protocol serial interface	IWG	o	o	o	o	o	o
Buffer tank module	MV	o	o	o	o	o	o
Pump group	P1	o	o	o	o	o	o
Pump group + tank	P1+MV	o	o	o	o	o	o
Higher available pressure pump group	P1H	o	o	o	o	o	o
Higher available pressure pump group + tank	P1H+MV	o	o	o	o	o	o
Double pump group	P2	o	o	o	o	o	o
Double pump group + tank	P2+MV	o	o	o	o	o	o
Higher available pressure double pump group	P2H	o	o	o	o	o	o
Higher available pressure double pump group + tank	P2H+MV	o	o	o	o	o	o
Rubber-type vibration dampers	PA	o	o	o	o	o	o
Spring-type vibration dampers	PM	o	o	o	o	o	o
Remote display	PQ	o	o	o	o	o	o
In-line twin pump group (only one working)	PT	o	o	o	o	o	o
In-line twin pump group (only one working) + tank	PT+MV	o	o	o	o	o	o
Anti-freeze heater on evaporator	RA	o	o	o	o	o	o
Shut-off valve on compressors discharge side	RD	o	o	o	o	o	o
Power factor correction system cosφ ≥ 0,9	RF	o	o	o	o	o	o
Shut-off valve on compressors suction side	RH	o	o	o	o	o	o
Compressor overload relays	RL	o	o	o	o	o	o
Condensing coil with pre-painted fins	RM	o	o	o	o	o	o
Partial heat recovery	RP	o	o	o	o	o	o
Copper/Copper coil	RR	o	o	o	o	o	o
Total heat recovery	RT	o	o	o	o	o	o
Personalized frame painting	RV	o	o	o	o	o	o
Electronic thermostatic valve	TE	●	●	●	●	●	●
Voltmeter	V	o	o	o	o	o	o
Brine Version	VB	o	o	o	o	o	o
Solenoid valve	VS	o	o	o	o	o	o

• Standard, o Optional, -- Not available

ERAE N WA Kc		40020	46020	51020	55020	59020
Amperometer	A	o	o	o	o	o
Electrical power supply different than standard	AE	□	□	□	□	□
Operation in cooling mode down to -20°C	BF	●	●	●	o	o
Operation in cooling mode down to -10°C	BT	--	--	--	o	o
Soundproofed compressors cabinet with standard material	CF	o	o	o	o	o
Overall compressor and technical compartment cabinet	CFT	o	o	o	--	--
Compressors inrush counter	CS	o	o	o	o	o
Axial fans with electronic commutated motor	EC	o	o	o	o	o
Condensing coil protection grid	GP	o	o	o	o	o
Anti-intrusion grid	GP2	o	o	o	o	o
Anti-intrusion grid with compressors cabinet	GP3	o	o	o	o	o
Victaulic insulation on pump side	I1	o	o	o	o	o
Victaulic insulation buffer tank side	I2	o	o	o	o	o
RS 485 Serial interface	IH	o	o	o	o	o
LON Protocol serial interface	IH-LON	o	o	o	o	o
Seawood packing	IM	o	o	o	o	o
TCP/IP Protocol serial interface	IWG	o	o	o	o	o
Buffer tank module	MV	o	o	o	o	o
Pump group	P1	o	o	o	o	o
Pump group + tank	P1+MV	o	o	o	o	o
Higher available pressure pump group	P1H	o	o	o	o	o
Higher available pressure pump group + tank	P1H+MV	o	o	o	o	o
Double pump group	P2	o	o	o	o	o
Double pump group + tank	P2+MV	o	o	o	o	o
Higher available pressure double pump group	P2H	o	o	o	o	o
Higher available pressure double pump group + tank	P2H+MV	o	o	o	o	o
Rubber-type vibration dampers	PA	o	o	o	o	o
Spring-type vibration dampers	PM	o	o	o	o	o
Remote display	PQ	o	o	o	o	o
In-line twin pump group (only one working)	PT	o	o	o	o	o
In-line twin pump group (only one working) + tank	PT+MV	o	o	o	o	o
Anti-freeze heater on evaporator	RA	o	o	o	o	o
Shut-off valve on compressors discharge side	RD	o	o	o	o	o
Power factor correction system cosfi ≥0,9	RF	o	o	o	o	o
Shut-off valve on compressors suction side	RH	o	o	o	o	o
Compressor overload relays	RL	o	o	o	o	o
Condensing coil with pre-painted fins	RM	o	o	o	o	o
Partial heat recovery	RP	o	o	o	o	o
Copper/Copper coil	RR	o	o	o	o	o
Total heat recovery	RT	o	o	o	o	o
Personalized frame painting	RV	o	o	o	o	o
Electronic thermostatic valve	TE	●	●	●	●	●
Voltmeter	V	o	o	o	o	o
Brine Version	VB	o	o	o	o	o
Solenoid valve	VS	o	o	o	o	o

• Standard, o Optional, -- Not available

ERA E N WA U Kc		16020	19020	24020	28020	32020	35120
Amperometer	A	o	o	o	o	o	o
Electrical power supply different than standard	AE	□	□	□	□	□	□
Operation in cooling mode down to -20°C	BF	o	o	o	o	o	o
Operation in cooling mode down to -10°C	BT	o	o	o	o	o	o
Overall compressor and technical compartment cabinet	CFT	o	o	o	o	o	o
Compressors inrush counter	CS	o	o	o	o	o	o
Axial fans with electronic commutated motor	EC	o	o	o	o	o	o
Condensing coil protection grid	GP	o	o	o	o	o	o
Anti-intrusion grid	GP2	o	o	o	o	o	o
Anti-intrusion grid with compressors cabinet	GP3	o	o	o	o	o	o
Victaulic insulation on pump side	I1	o	o	o	o	o	o
Victaulic insulation buffer tank side	I2	o	o	o	o	o	o
RS 485 Serial interface	IH	o	o	o	o	o	o
LON Protocol serial interface	IH-LON	o	o	o	o	o	o
Seawood packing	IM	o	o	o	o	o	o
TCP/IP Protocol serial interface	IWG	o	o	o	o	o	o
Buffer tank module	MV	o	o	o	o	o	o
Pump group	P1	o	o	o	o	o	o
Pump group + tank	P1+MV	o	o	o	o	o	o
Higher available pressure pump group	P1H	o	o	o	o	o	o
Higher available pressure pump group + tank	P1H+MV	o	o	o	o	o	o
Double pump group	P2	o	o	o	o	o	o
Double pump group + tank	P2+MV	o	o	o	o	o	o
Higher available pressure double pump group	P2H	o	o	o	o	o	o
Higher available pressure double pump group + tank	P2H+MV	o	o	o	o	o	o
Rubber-type vibration dampers	PA	o	o	o	o	o	o
Spring-type vibration dampers	PM	o	o	o	o	o	o
Remote display	PQ	o	o	o	o	o	o
In-line twin pump group (only one working)	PT	o	o	o	o	o	o
In-line twin pump group (only one working) + tank	PT+MV	o	o	o	o	o	o
Anti-freeze heater on evaporator	RA	o	o	o	o	o	o
Shut-off valve on compressors discharge side	RD	o	o	o	o	o	o
Power factor correction system cosφ ≥ 0,9	RF	o	o	o	o	o	o
Shut-off valve on compressors suction side	RH	o	o	o	o	o	o
Compressor overload relays	RL	o	o	o	o	o	o
Condensing coil with pre-painted fins	RM	o	o	o	o	o	o
Partial heat recovery	RP	o	o	o	o	o	o
Copper/Copper coil	RR	o	o	o	o	o	o
Total heat recovery	RT	o	o	o	o	o	o
Personalized frame painting	RV	o	o	o	o	o	o
Electronic thermostatic valve	TE	●	●	●	●	●	●
Voltmeter	V	o	o	o	o	o	o
Brine Version	VB	o	o	o	o	o	o
Solenoid valve	VS	o	o	o	o	o	o

● Standard, o Optional, -- Not available

ERAE N WA U Kc		40020	46020	51020	55020	59020
Amperometer	A	o	o	o	o	o
Electrical power supply different than standard	AE	□	□	□	□	□
Operation in cooling mode down to -20°C	BF	o	o	o	o	o
Operation in cooling mode down to -10°C	BT	o	o	o	o	o
Overall compressor and technical compartment cabinet	CFT	o	o	o	--	--
Compressors inrush counter	CS	o	o	o	o	o
Axial fans with electronic commutated motor	EC	o	o	o	o	o
Condensing coil protection grid	GP	o	o	o	o	o
Anti-intrusion grid	GP2	o	o	o	o	o
Anti-intrusion grid with compressors cabinet	GP3	o	o	o	o	o
Victaulic insulation on pump side	I1	o	o	o	o	o
Victaulic insulation buffer tank side	I2	o	o	o	o	o
RS 485 Serial interface	IH	o	o	o	o	o
LON Protocol serial interface	IH-LON	o	o	o	o	o
Seawood packing	IM	o	o	o	o	o
TCP/IP Protocol serial interface	IWG	o	o	o	o	o
Buffer tank module	MV	o	o	o	o	o
Pump group	P1	o	o	o	o	o
Pump group + tank	P1+MV	o	o	o	o	o
Higher available pressure pump group	P1H	o	o	o	o	o
Higher available pressure pump group + tank	P1H+MV	o	o	o	o	o
Double pump group	P2	o	o	o	o	o
Double pump group + tank	P2+MV	o	o	o	o	o
Higher available pressure double pump group	P2H	o	o	o	o	o
Higher available pressure double pump group + tank	P2H+MV	o	o	o	o	o
Rubber-type vibration dampers	PA	o	o	o	o	o
Spring-type vibration dampers	PM	o	o	o	o	o
Remote display	PQ	o	o	o	o	o
In-line twin pump group (only one working)	PT	o	o	o	o	o
In-line twin pump group (only one working) + tank	PT+MV	o	o	o	o	o
Anti-freeze heater on evaporator	RA	o	o	o	o	o
Shut-off valve on compressors discharge side	RD	o	o	o	o	o
Power factor correction system cosφ ≥ 0,9	RF	o	o	o	o	o
Shut-off valve on compressors suction side	RH	o	o	o	o	o
Compressor overload relays	RL	o	o	o	o	o
Condensing coil with pre-painted fins	RM	o	o	o	o	o
Partial heat recovery	RP	o	o	o	o	o
Copper/Copper coil	RR	o	o	o	o	o
Total heat recovery	RT	o	o	o	o	o
Personalized frame painting	RV	o	o	o	o	o
Electronic thermostatic valve	TE	●	●	●	●	●
Voltmeter	V	o	o	o	o	o
Brine Version	VB	o	o	o	o	o
Solenoid valve	VS	o	o	o	o	o

● Standard, o Optional, -- Not available

ERAE N HE Kc		12010	14010	15510
RS 485 Serial interface	IH	o	o	o
High and low pressure gauges	MT	o	o	o
Antifreeze kit for pump/s	NSP	o	o	o
Antifreeze kit for pump/s + tank	NSPS	o	o	o
Pump group	P1	o	o	o
Pump group + tank	P1+MV	o	o	o
Double pump group	P2	o	o	o
Double pump group + tank	P2+MV	o	o	o
Rubber-type vibration dampers	PA	o	o	o
Spring-type vibration dampers	PM	o	o	o
Remote display	PQ	o	o	o
Anti-freeze heater on evaporator	RA	o	o	o
Electronic soft starter	SF	o	o	o
Electronic thermostatic valve	TE	o	o	o
Brine Version	VB	o	o	o
Solenoid valve	VS	o	o	o

• Standard, o Optional, -- Not available

TECHNICAL DATA

ERA E N HE Kc		12010	14010	15510
Cooling capacity	kW	103	119	130
Total input power	kW	33,2	36,7	42,0
EER	W/W	3,10	3,24	3,10
SEER (EN14825)	W/W	4,30	4,50	4,40
$\eta_{s,c}^{(1)}$		169	177	173
Circuits	n°	1	1	1
Compressors	n°	2	2	2
Refrigerant data R410A				
Refrigerant charge	kg	15,3	23,2	23,6
Global warming potential (GWP)	-	2088	2088	2088
Equivalent CO ₂ charge	t	31,9	48,4	49,3
Axial fans ⁽¹⁾				
Quantity	n°	2	3	3
Total air flow	m³/h	40421	53723	56383
Total power input	kW	2,45	2,62	3,03
Total input current	A	4,0	4,4	5,0
Evaporator ⁽²⁾				
Quantity	n°	1	1	1
Water flow	m³/h	17,8	20,5	22,4
Pressure drop	kPa	26,6	20,2	20,2
Weight				
Transport weight	kg	1210	1530	1550
Operating weight	kg	1217	1541	1562
Dimensions				
Length	mm	2905	3905	3905
Width	mm	1145	1145	1145
Height	mm	1840	1890	1890
Sound data				
Total LWA ⁽³⁾	dB(A)	105	106	107
Total SPL 10m ⁽⁴⁾	dB(A)	58	39	40
Power supply				
Voltage/phase/frequency	V/ph/Hz	3/400/50	3/400/50	3/400/50
General electrical data				
Maximum input power	[kW]	49,1	56,0	61,0
Maximum input current	[A]	86,6	98,4	107,0
Inrush current	[A]	272	322	330

(1) Ambient air temperature 35°C / H.R 50%
 (2) Fluid: Water - In/out Temperature: 12/7°C

(3) Sound power level in accordance with ISO 3744.
 (4) Sound pressure level at 10m from the unit in free field conditions, in accordance with ISO 3744

ERAE N Kc		12010	14010	15510	16020	19020	24020	28020
Cooling capacity	kW	105	121	134	154	192	254	282
Total input power	kW	33,6	38,1	42,7	54,1	66,2	92,9	102
EER	W/W	3,12	3,18	3,14	2,85	2,90	2,73	2,76
SEER (EN14825)	W/W	4,12	4,12	4,19	4,12	4,46	4,18	4,14
$\eta_{s,c}^{(1)}$		162	162	165	162	175	164	163
Circuits	n°	1	1	1	2	2	2	2
Compressors	n°	2	2	2	4	4	4	4
Refrigerant data R410A								
Refrigerant charge	kg	15,3	23,2	23,6	30,0	34,0	44,0	46,0
Global warming potential (GWP)	-	2088	2088	2088	2088	2088	2088	2088
Equivalent CO ₂ charge	t	32,0	48,4	49,3	62,6	70,9	91,9	96,0
Axial fans ⁽¹⁾								
Quantity	n°	2	3	3	2	3	3	4
Total air flow	m ³ /h	40874	61985	61831	45811	71476	68442	94937
Total power input	kW	2,82	4,41	4,38	3,87	5,68	5,79	7,56
Total input current	A	6,27	9,46	9,43	5,89	8,64	8,79	11,5
Evaporator ⁽²⁾								
Quantity	n°	1	1	1	1	1	1	1
Water flow	m ³ /h	18,0	20,9	23,0	26,6	33,1	43,7	48,5
Pressure drop	kPa	26,7	20,6	20,5	21,3	25,0	31,7	33,9
Weight								
Transport weight	kg	1210	1530	1550	1166	1620	1776	1954
Operating weight	kg	1217	1541	1562	1176	1630	1788	1972
Dimensions								
Length	mm	2905	3905	3905	2660	3700	3700	4740
Width	mm	1145	1145	1145	1370	1370	1370	1370
Height	mm	1840	1890	1890	2420	2420	2420	2420
Sound data								
Total LWA ⁽³⁾	dB(A)	89	91	92	88	92	94	95
Total SPL 10m ⁽⁴⁾	dB(A)	42	24	25	56	60	62	63
Power supply								
Voltage/phase/frequency	V/ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
General electrical data								
Maximum input power	[kW]	49,0	55,9	60,9	73,8	90,2	123,0	136,0
Maximum input current	[A]	87,8	100,0	109,0	145,0	173,0	221,0	246,0
Inrush current	[A]	273	324	332	285	412	465	491

(1) Ambient air temperature 35°C / H.R 50%
(2) Fluid: Water - In/out Temperature: 12/7°C

(3) Sound power level in accordance with ISO 3744.
(4) Sound pressure level at 10m from the unit in free field conditions, in accordance with ISO 3744

ERAE N Kc		32020	35120	40020	46020	51020	55020	59020
Cooling capacity	kW	311	365	399	486	521	576	624
Total input power	kW	104	131	144	171	189	198	216
EER	W/W	2,99	2,79	2,77	2,84	2,76	2,91	2,89
SEER (EN14825)	W/W	4,45	4,15	4,16	4,57	4,58	4,55	4,55
$\eta_{s,c}^{(1)}$		175	163	163	180	180	179	179
Circuits	n°	2	2	2	2	2	2	2
Compressors	n°	4	4	4	6	6	6	6
Refrigerant data R410A								
Refrigerant charge	kg	56,0	58,0	74,0	90,0	90,0	106,0	108,0
Global warming potential (GWP)	-	2088	2088	2088	2088	2088	2088	2088
Equivalent CO ₂ charge	t	116,9	121,1	154,5	187,9	187,9	221,3	225,5
Axial fans ⁽¹⁾								
Quantity	n°	4	5	5	8	8	8	10
Total air flow	m³/h	89848	129149	122007	190215	189732	182968	237645
Total power input	kW	7,88	10,0	10,3	15,2	15,2	15,6	19,1
Total input current	A	12,0	22,1	22,2	23,2	23,1	23,7	28,9
Evaporator ⁽²⁾								
Quantity	n°	1	1	1	1	1	1	1
Water flow	m³/h	53,6	62,7	68,7	83,5	89,6	99,1	107,4
Pressure drop	kPa	38,5	43,9	49,5	44,7	46,9	56,3	54,9
Weight								
Transport weight	kg	2066	2248	2410	3278	3368	3592	4038
Operating weight	kg	2084	2272	2440	3318	3408	3634	4080
Dimensions								
Length	mm	4740	5780	5780	4750	4750	4750	5720
Width	mm	1370	1370	1370	2300	2300	2300	2300
Height	mm	2420	2420	2420	2560	2560	2560	2560
Sound data								
Total LWA ⁽³⁾	dB(A)	94	96	98	98	98	98	100
Total SPL 10m ⁽⁴⁾	dB(A)	62	64	66	65	66	66	67
Power supply								
Voltage/phase/frequency	V/ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
General electrical data								
Maximum input power	[kW]	143,0	175,0	192,0	240,0	258,0	276,0	300,0
Maximum input current	[A]	260,0	322,0	356,0	428,0	463,0	497,0	541,0
Inrush current	[A]	585	647	682	673	788	823	866

(1) Ambient air temperature 35°C / H.R 50%
(2) Fluid: Water - In/out Temperature: 12/7°C

(3) Sound power level in accordance with ISO 3744.
(4) Sound pressure level at 10m from the unit in free field conditions, in accordance with ISO 3744

ERAE N U Kc		14010	15510	16020	19020	20010	24020	28020
Cooling capacity	kW	105	118	156	190	136	251	281
Total input power	kW	40,9	44,9	52,1	64,5	51,5	91,8	101,0
EER	W/W	2,57	2,63	2,99	2,95	2,64	2,73	2,78
SEER (EN14825)	W/W	4,15	4,12	4,20	4,37	4,14	4,31	4,14
$\eta_{s,c}^{(1)}$		163	162	165	172	163	169	163
Circuits	n°	1	1	2	2	1	2	2
Compressors	n°	2	2	4	4	2	4	4
Refrigerant data R410A								
Refrigerant charge	kg	14,9	15,1	34,0	42,0	19,9	44,0	56,0
Global warming potential (GWP)	-	2088	2088	2088	2088	2088	2088	2088
Equivalent CO ₂ charge	t	31,1	31,5	71,0	87,7	41,6	91,9	116,9
Axial fans ⁽¹⁾								
Quantity	n°	3	4	3	3	4	4	4
Total air flow	m ³ /h	23166	29211	51921	48152	30725	68627	63852
Total power input	kW	0,77	1,10	2,70	2,73	1,04	3,58	3,62
Total input current	A	1,56	2,19	7,71	7,74	2,10	10,2	10,3
Evaporator ⁽²⁾								
Quantity	n°	1	1	1	1	1	1	1
Water flow	m ³ /h	18,12	20,3	26,9	32,6	23,34	43,3	48,4
Pressure drop	kPa	28,1	28,5	21,7	24,5	29,71	31,2	32,6
Weight								
Transport weight	kg	1290	1330	1324	1748	1660	1904	2084
Operating weight	kg	1297	1338	1410	1844	1669	2002	2214
Dimensions								
Length	mm	3905	3905	3700	3700	3905	4740	4740
Width	mm	1145	1145	1370	1370	1145	1370	1370
Height	mm	1890	1890	2420	2420	2280	2420	2420
Sound data								
Total LWA ⁽³⁾	dB(A)	87	89	82	86	89	88	89
Total SPL 10m ⁽⁴⁾	dB(A)	20	22	50	53	22	56	57
Power supply								
Voltage/phase/frequency	V/ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
General electrical data								
Maximum input power	[kW]	52,1	57,7	72,5	86,0	66,2	120,0	130,0
Maximum input current	[A]	91,8	101,0	145,0	168,0	118,0	219,0	240,0
Inrush current	[A]	315	325	285	407	363	463	484

(1) Ambient air temperature 35°C / H.R 50%
 (2) Fluid: Water - In/out Temperature: 12/7°C

(3) Sound power level in accordance with ISO 3744.
 (4) Sound pressure level at 10m from the unit in free field conditions, in accordance with ISO 3744

ERAE N U Kc		32020	35120	40020	46020	51020	55020	59020
Cooling capacity	kW	302	362	396	482	525	568	605
Total input power	kW	106,0	129,0	146,0	163,0	178,0	195,0	210,0
EER	W/W	2,85	2,81	2,71	2,96	2,95	2,91	2,88
SEER (EN14825)	W/W	4,45	4,15	4,10	4,61	4,56	4,67	4,58
$\eta_{s,c}^{(1)}$		175	163	161	181	179	184	180
Circuits	n°	2	2	2	2	2	2	2
Compressors	n°	4	4	4	6	6	6	6
Refrigerant data R410A								
Refrigerant charge	kg	54,0	72,0	88,0	112,0	124,0	124,0	126,0
Global warming potential (GWP)	-	2088	2088	2088	2088	2088	2088	2088
Equivalent CO ₂ charge	t	112,7	150,3	183,7	233,8	258,9	258,9	263,1
Axial fans ⁽¹⁾								
Quantity	n°	5	5	5	8	8	10	10
Total air flow	m³/h	86001	93704	87814	128138	126744	193922	142425
Total power input	kW	4,49	6,81	6,85	5,76	6,39	10,8	5,19
Total input current	A	12,8	12,8	12,9	10,4	11,3	18,0	9,87
Evaporator ⁽²⁾								
Quantity	n°	1	1	1	1	1	1	1
Water flow	m³/h	51,9	62,3	68,17	83,0	90,3	97,7	104,0
Pressure drop	kPa	36,4	43,1	46,7	44,1	47,6	54,7	51,8
Weight								
Transport weight	kg	2196	2378	2540	3458	3768	4000	4236
Operating weight	kg	2262	2542	2716	3718	4036	4252	4524
Dimensions								
Length	mm	5780	5780	5780	4750	4750	5700	5700
Width	mm	1370	1370	1370	2300	2300	2300	2300
Height	mm	2420	2420	2420	2560	2560	2560	2560
Sound data								
Total LWA ⁽³⁾	dB(A)	88	90	92	90	92	92	94
Total SPL 10m ⁽⁴⁾	dB(A)	56	57	60	58	60	60	61
Power supply								
Voltage/phase/frequency	V/ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
General electrical data								
Maximum input power	[kW]	139,0	170,0	188,0	240,0	258,0	282,0	300,0
Maximum input current	[A]	256,0	310,0	345,0	428,0	463,0	506,0	541,0
Inrush current	[A]	582	636	670	673	788	832	866

(1) Ambient air temperature 35°C / H.R 50%
(2) Fluid: Water - In/out Temperature: 12/7°C

(3) Sound power level in accordance with ISO 3744.
(4) Sound pressure level at 10m from the unit in free field conditions, in accordance with ISO 3744

ERA-E N AM Kc		16020	19020	24020	28020	32020	35120
Cooling capacity	kW	150	180	247	271	298	356
Total input power	kW	56,0	68,1	96,2	103,0	109,0	132,0
EER	W/W	2,68	2,64	2,57	2,63	2,73	2,70
SEER (EN14825)	W/W	3,71	3,90	3,91	3,84	3,85	3,91
$\eta_{s,c}^{(1)}$		145	153	153	151	151	153
Circuits	n°	2	2	2	2	2	2
Compressors	n°	4	4	4	4	4	4
Refrigerant data R410A							
Refrigerant charge	kg	26,0	30,0	36,0	46,0	46,0	60,0
Global warming potential (GWP)	-	2088	2088	2088	2088	2088	2088
Equivalent CO ₂ charge	t	54,3	62,6	75,2	96,0	96,0	125,3
Axial fans ⁽¹⁾							
Quantity	n°	2	2	3	3	4	4
Total air flow	m ³ /h	51589	48584	77105	72900	103245	97227
Total power input	kW	4,01	4,11	5,99	6,15	8,02	8,23
Total input current	A	8,8	8,9	13,2	13,3	17,6	17,8
Evaporator ⁽²⁾							
Quantity	n°	1	1	1	1	1	1
Water flow	m ³ /h	25,8	31,0	42,4	46,5	51,3	61,3
Pressure drop	kPa	20,2	28,2	30,1	35,4	37,4	42,0
Weight							
Transport weight	kg	1110	1516	1690	1870	1954	2200
Operating weight	kg	1120	1526	1702	1888	1972	2224
Dimensions							
Length	mm	2660	2260	3700	3700	4740	4740
Width	mm	1370	1370	1370	1370	1370	1370
Height	mm	2420	2420	2420	2420	2420	2420
Sound data							
Total LWA ⁽³⁾	dB(A)	88	91	94	95	95	96
Total SPL 10m ⁽⁴⁾	dB(A)	56	59	62	63	63	64
Power supply							
Voltage/phase/frequency	V/ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
General electrical data							
Maximum input power	[kW]	72,8	86,3	121,0	132,0	141,0	172,0
Maximum input current	[A]	146	170	223	243	262	317
Inrush current	[A]	286	408	467	488	588	642

(1) Ambient air temperature 35°C / H.R 50%
(2) Fluid: Water - In/out Temperature: 12/7°C

(3) Sound power level in accordance with ISO 3744.
(4) Sound pressure level at 10m from the unit in free field conditions, in accordance with ISO 3744

ERA E N AM Kc		40020	46020	51020	55020	59020
Cooling capacity	kW	394	463	498	541	595
Total input power	kW	149,0	176,0	194,0	207,0	216,0
EER	W/W	2,64	2,63	2,57	2,61	2,75
SEER (EN14825)	W/W	3,67	3,89	3,88	4,05	4,12
$\eta_{s,c}^{(1)}$		144	153	152	159	162
Circuits	n°	2	2	2	2	2
Compressors	n°	4	6	6	6	6
Refrigerant data R410A						
Refrigerant charge	kg	60,0	80,0	88,0	92,0	106,0
Global warming potential (GWP)	-	2088	2088	2088	2088	2088
Equivalent CO ₂ charge	t	125,3	167,0	183,7	192,1	221,3
Axial fans ⁽¹⁾						
Quantity	n°	5	5	5	8	8
Total air flow	m ³ /h	128721	121331	114973	161881	155330
Total power input	kW	10,00	10,20	10,5	11,4	11,6
Total input current	A	22,0	22,2	22,3	24,9	25,1
Evaporator ⁽²⁾						
Quantity	n°	1	1	1	1	1
Water flow	m ³ /h	67,7	79,7	85,7	93,0	102,4
Pressure drop	kPa	50,3	41,2	46,9	50,1	59,4
Weight						
Transport weight	kg	2270	2752	2982	3380	3592
Operating weight	kg	2300	2792	3022	3422	3634
Dimensions						
Length	mm	5780	5780	5780	4750	4750
Width	mm	1370	1370	1370	2300	2300
Height	mm	2420	2420	2420	2560	2560
Sound data						
Total LWA ⁽³⁾	dB(A)	98	96	98	98	100
Total SPL 10m ⁽⁴⁾	dB(A)	66	64	66	66	67
Power supply						
Voltage/phase/frequency	V/ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
General electrical data						
Maximum input power	[kW]	192,0	229,0	247,0	268,0	286,0
Maximum input current	[A]	356	418	453	492	527
Inrush current	[A]	682	663	778	818	852

(1) Ambient air temperature 35°C / H.R 50%
(2) Fluid: Water - In/out Temperature: 12/7°C

(3) Sound power level in accordance with ISO 3744.
(4) Sound pressure level at 10m from the unit in free field conditions, in accordance with ISO 3744

ERAE N AM U Kc		16020	19020	24020	28020	32020	35120
Cooling capacity	kW	150	184	247	273	296	354
Total input power	kW	54,8	65,9	94,2	102,0	106,0	133,0
EER	W/W	2,74	2,79	2,62	2,68	2,79	2,66
SEER (EN14825)	W/W	3,94	4,01	4,15	3,96	4,19	4,01
$\eta_{s,c}^{(1)}$		155	157	163	155	165	157
Circuits	n°	2	2	2	2	2	2
Compressors	n°	4	4	4	4	4	4
Refrigerant data R410A							
Refrigerant charge	kg	36,0	34,0	44,0	46,0	56,0	58,0
Global warming potential (GWP)	-	2088	2088	2088	2088	2088	2088
Equivalent CO ₂ charge	t	75,2	71,0	91,9	96,0	116,9	121,1
Axial fans ⁽¹⁾							
Quantity	n°	2	3	3	4	4	5
Total air flow	m ³ /h	32740	60477	55866	80250	74850	100194
Total power input	kW	2,78	4,05	4,04	5,36	5,43	6,70
Total input current	A	5,2	7,7	7,6	10,2	10,3	12,7
Evaporator ⁽²⁾							
Quantity	n°	1	1	1	1	1	1
Water flow	m ³ /h	25,73	31,72	42,6	46,9	51,0	60,8
Pressure drop	kPa	20,1	29,3	30,0	35,9	37,0	41,5
Weight							
Transport weight	kg	1324	1748	1904	2084	2196	2378
Operating weight	kg	1338	1762	1920	2104	2216	2404
Dimensions							
Length	mm	2660	3700	3700	4740	4740	5780
Width	mm	1370	1370	1370	1370	1370	1370
Height	mm	2420	2420	2420	2420	2420	2420
Sound data							
Total LWA ⁽³⁾	dB(A)	82	86	88	89	89	90
Total SPL 10m ⁽⁴⁾	dB(A)	50	53	56	57	57	57
Power supply							
Voltage/phase/frequency	V/ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
General electrical data							
Maximum input power	[kW]	71	86	118	130	138	170
Maximum input current	[A]	142	168	216	240	253	310
Inrush current	[A]	282	407	461	484	579	636

(1) Ambient air temperature 35°C / H.R 50%
(2) Fluid: Water - In/out Temperature: 12/7°C

(3) Sound power level in accordance with ISO 3744.
(4) Sound pressure level at 10m from the unit in free field conditions, in accordance with ISO 3744

ERAE N AM U Kc		40020	46020	51020	55020	59020
Cooling capacity	kW	390	461	507	546	588
Total input power	kW	146,0	174,0	185,0	201,0	218,0
EER	W/W	2,67	2,65	2,74	2,72	2,70
SEER (EN14825)	W/W	3,90	4,21	4,33	4,28	4,13
$\eta_{s,c}^{(1)}$		153	165	170	168	162
Circuits	n°	2	2	2	2	2
Compressors	n°	4	6	6	6	6
Refrigerant data R410A						
Refrigerant charge	kg	74,0	90,0	112,0	126,0	126,0
Global warming potential (GWP)	-	2088	2088	2088	2088	2088
Equivalent CO ₂ charge	t	154,5	187,9	233,8	263,1	263,1
Axial fans ⁽¹⁾						
Quantity	n°	5	8	8	8	10
Total air flow	m ³ /h	93337	127241	119938	114120	159002
Total power input	kW	6,78	8,33	8,36	8,40	10,4
Total input current	A	12,8	15,8	15,9	15,9	19,7
Evaporator ⁽²⁾						
Quantity	n°	1	1	1	1	1
Water flow	m ³ /h	67,1	79,3	87,3	94,0	101,2
Pressure drop	kPa	49,6	40,6	48,2	51,1	57,6
Weight						
Transport weight	kg	2540	3458	3768	4000	4236
Operating weight	kg	2572	3502	3812	4046	4282
Dimensions						
Length	mm	5780	4750	4750	4750	5720
Width	mm	1370	2300	2300	2300	2300
Height	mm	2420	2560	2560	2560	2560
Sound data						
Total LWA ⁽³⁾	dB(A)	92	92	92	92	94
Total SPL 10m ⁽⁴⁾	dB(A)	60	60	60	60	61
Power supply						
Voltage/phase/frequency	V/ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
General electrical data						
Maximum input power	[kW]	188	227	244	262	282
Maximum input current	[A]	345	412	447	481	521
Inrush current	[A]	670	657	772	807	846

(1) Ambient air temperature 35°C / H.R 50%
(2) Fluid: Water - In/out Temperature: 12/7°C

(3) Sound power level in accordance with ISO 3744.
(4) Sound pressure level at 10m from the unit in free field conditions, in accordance with ISO 3744

ERA E N WA KC		16020	19020	24020	28020	32020	35120
Cooling capacity	kW	196	239	324	359	400	469
Total input power	kW	62,1	76,1	109,0	116,0	123,0	150,0
EER	W/W	3,16	3,14	2,97	3,09	3,25	3,13
SEER (EN14825)	W/W	4,22	4,45	4,46	4,36	4,39	4,38
$\eta_{s,c}^{(1)}$		166	175	175	171	173	172
Circuits	n°	2	2	2	2	2	2
Compressors	n°	4	4	4	4	4	4
Refrigerant data R410A							
Refrigerant charge	kg	26	30	36	46	46	60
Global warming potential (GWP)	-	2088	2088	2088	2088	2088	2088
Equivalent CO ₂ charge	t	54,3	62,6	75,2	96,0	96,0	125,3
Axial fans ⁽¹⁾							
Quantity	n°	2	2	3	3	4	4
Total air flow	m ³ /h	51132	48036	76367	72078	102205	96190
Total power input	kW	3,97	4,06	5,92	6,08	7,94	8,13
Total input current	A	8,73	8,77	13,0	13,2	17,5	17,6
Evaporator ⁽²⁾							
Quantity	n°	1	1	1	1	1	1
Water flow	m ³ /h	33,9	41,4	56,0	61,9	69,2	81,1
Pressure drop	kPa	31,1	35,2	41,3	46,9	49,1	60,0
Weight							
Transport weight	kg	1110	1516	1690	1870	1954	2200
Operating weight	kg	1120	1526	1702	1888	1972	2224
Dimensions							
Length	mm	2660	2660	3700	3700	4740	4740
Width	mm	1370	1370	1370	1370	1370	1370
Height	mm	2420	2420	2420	2420	2420	2420
Sound data							
Total LWA ⁽³⁾	dB(A)	88	92	94	95	94	96
Total SPL 10m ⁽⁴⁾	dB(A)	56	60	62	63	62	64
Power supply							
Voltage/phase/frequency	V/ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
General electrical data							
Maximum input power	[kW]	73	86	121	132	141	172
Maximum input current	[A]	146	170	223	243	262	317
Inrush current	[A]	286	408	467	488	588	642

(1) Ambient air temperature 35°C / H.R 50%
(2) Fluid: Water - In/out Temperature: 12/7°C

(3) Sound power level in accordance with ISO 3744.
(4) Sound pressure level at 10m from the unit in free field conditions, in accordance with ISO 3744

ERA E N WA Kc		40020	46020	51020	55020	59020
Cooling capacity	kW	549	613	665	709	783
Total input power	kW	164,0	202,0	223,0	237,0	247,0
EER	W/W	3,35	3,03	2,94	2,99	3,17
SEER (EN14825)	W/W	4,52	4,69	4,57	4,59	4,58
$\eta_{s,c}^{(1)}$		178	185	180	181	180
Circuits	n°	2	2	2	2	2
Compressors	n°	4	6	6	6	6
Refrigerant data R410A						
Refrigerant charge	kg	60	80	88	92	106
Global warming potential (GWP)	-	2088	2088	2088	2088	2088
Equivalent CO ₂ charge	t	125,3	167,0	183,7	192096	221,3
Axial fans ⁽¹⁾						
Quantity	n°	5	5	5	8	8
Total air flow	m ³ /h	120706	119888	113496	160191	153520
Total power input	kW	10,20	10,10	10,2	11,2	11,5
Total input current	A	22,0	21,8	21,9	24,6	24,8
Evaporator ⁽²⁾						
Quantity	n°	1	1	1	1	1
Water flow	m ³ /h	94,9	106,0	113,1	122,5	135,3
Pressure drop	kPa	52,9	64,4	72,4	77,4	92,5
Weight						
Transport weight	kg	2270	2752	2982	3380	3592
Operating weight	kg	2300	2792	3022	3422	3634
Dimensions						
Length	mm	5780	5780	5780	4750	4750
Width	mm	1370	1370	1370	2300	2300
Height	mm	2420	2420	2420	2560	2560
Sound data						
Total LWA ⁽³⁾	dB(A)	98	98	98	98	100
Total SPL 10m ⁽⁴⁾	dB(A)	66	65	66	66	67
Power supply						
Voltage/phase/frequency	V/ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
General electrical data						
Maximum input power	[kW]	192	229	247	268	286
Maximum input current	[A]	356	418	453	492	527
Inrush current	[A]	682	663	778	818	852

(1) Ambient air temperature 35°C / H.R 50%
(2) Fluid: Water - In/out Temperature: 12/7°C

(3) Sound power level in accordance with ISO 3744.
(4) Sound pressure level at 10m from the unit in free field conditions, in accordance with ISO 3744

ERAE N WA U Kc		16020	19020	24020	28020	32020	35120
Cooling capacity	kW	194	246	323	362	394	465
Total input power	kW	61,4	72,8	108,0	115,0	121,0	152,0
EER	W/W	3,16	3,38	2,99	3,15	3,26	3,06
SEER (EN14825)	W/W	4,45	4,59	4,55	4,49	4,73	4,46
$\eta_{s,c}^{(1)}$		175	181	179	177	186	175
Circuits	n°	2	2	2	2	2	2
Compressors	n°	4	4	4	4	4	4
Refrigerant data R410A							
Refrigerant charge	kg	36	34	44	46	56	58
Global warming potential (GWP)	-	2088	2088	2088	2088	2088	2088
Equivalent CO ₂ charge	t	75,2	71,0	91,9	96,0	116,9	121,1
Axial fans ⁽¹⁾							
Quantity	n°	2	3	3	4	4	5
Total air flow	m ³ /h	32283	59904	55162	79401	73952	99109
Total power input	kW	2,73	3,99	3,99	5,31	5,35	6,60
Total input current	A	5,11	7,58	7,54	10,0	10,1	12,5
Evaporator ⁽²⁾							
Quantity	n°	1	1	1	1	1	1
Water flow	m ³ /h	33,6	42,6	55,8	62,6	68,1	90
Pressure drop	kPa	30,5	36,9	40,8	47,9	47,8	58
Weight							
Transport weight	kg	1324	1748	1904	2084	2196	2378
Operating weight	kg	1338	1762	1920	2104	2216	2404
Dimensions							
Length	mm	2660	3700	3700	4740	4740	6000
Width	mm	1370	1370	1370	1370	1000	1000
Height	mm	2420	2420	24420	2420	2000	2000
Sound data							
Total LWA ⁽³⁾	dB(A)	82	86	89	89	89	90
Total SPL 10m ⁽⁴⁾	dB(A)	50	54	57	57	57	58
Power supply							
Voltage/phase/frequency	V/ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
General electrical data							
Maximum input power	[kW]	71	86	118	130	138	170
Maximum input current	[A]	142	168	216	240	253	310
Inrush current	[A]	282	407	461	484	579	636

(1) Ambient air temperature 35°C / H.R 50%
(2) Fluid: Water - In/out Temperature: 12/7°C

(3) Sound power level in accordance with ISO 3744.
(4) Sound pressure level at 10m from the unit in free field conditions, in accordance with ISO 3744

ERAE N WA Kc		40020	46020	51020	55020	59020
Cooling capacity	kW	525	606	671	714	766
Total input power	kW	168	198,0	212,0	231,0	249,0
EER	W/W	3,12	3,06	3,17	3,09	3,08
SEER (EN14825)	W/W	4,55	4,64	4,80	4,68	4,44
$\eta_{s,c}^{(1)}$		179	183	189	184	175
Circuits	n°	2	2	2	2	2
Compressors	n°	4	6	6	6	6
Refrigerant data R410A						
Refrigerant charge	kg	74	90	112	126	126
Global warming potential (GWP)	-	2088	2088	2088	2088	2088
Equivalent CO ₂ charge	t	154,5	187,9	233,8	263,1	263,1
Axial fans ⁽¹⁾						
Quantity	n°	5	8	8	8	10
Total air flow	m ³ /h	86648	125807	118548	112559	157436
Total power input	kW	6,74	8,23	8,26	8,26	10,3
Total input current	A	12,7	15,6	15,7	15,7	19,5
Evaporator ⁽²⁾						
Quantity	n°	1	1	1	1	1
Water flow	m ³ /h	90,7	104,8	116,0	123,3	132,3
Pressure drop	kPa	48,8	63,4	75,9	78,3	88,7
Weight						
Transport weight	kg	2540	3458	3768	4000	4236
Operating weight	kg	2572	3502	3812	4046	4282
Dimensions						
Length	mm	5780	4750	4750	4750	5720
Width	mm	1370	2300	2300	2300	2300
Height	mm	2420	2560	2560	2560	2560
Sound data						
Total LWA ⁽³⁾	dB(A)	93	91	93	93	94
Total SPL 10m ⁽⁴⁾	dB(A)	60	58	60	60	62
Power supply						
Voltage/phase/frequency	V/ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
General electrical data						
Maximum input power	[kW]	188	227	244	262	282
Maximum input current	[A]	345	412	447	481	521
Inrush current	[A]	670	657	772	807	846

(1) Ambient air temperature 35°C / H.R 50%
(2) Fluid: Water - In/out Temperature: 12/7°C

(3) Sound power level in accordance with ISO 3744.
(4) Sound pressure level at 10m from the unit in free field conditions, in accordance with ISO 3744