REZNOR

RTU Technical Manual

Packaged Air Conditioning Unit

NORTEK™
GLOBAL HVAC

Index

CODIFICATION

K C R 1 042 I N S 3 W AASO

K: Air conditioning range

C: Compact air-cooled equipment

R: Rooftop construction to be installed on ceiling.

1: Construction size

042: Nominal Power (refrigeration if there would be several values) In ARI conditions..

I: Application type (I: Reversible; Q: Only Heating; R: Only Cooling; U: Non Autonomous)

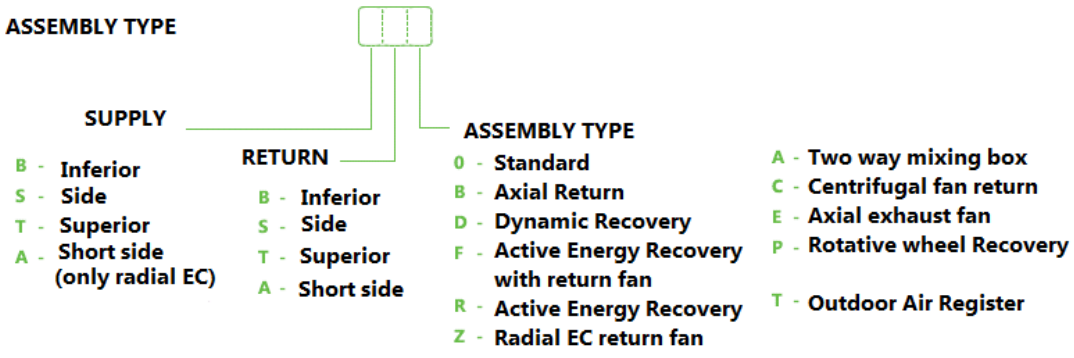
N: Compressors type (N: Standard; D: Digital Scroll; V: Inverter; O: Others)

P: Version: (S: Standard; F: Free Cooling; R: Recovery)

3: Electrical Voltage: (1: 230V/I/50Hz, 2: 230V/III/50Hz, 3: 400/III/50Hz non neutral, 4: 400/III/50Hz + neutral, 5: 230V/I/60Hz, 6: 230V/III/60Hz, 7: 400/III/60Hz non neutral, 8: 400/III/60Hz + neutral, 9: 440/III/60Hz + neutral, E: Special

W: Refrigerant: (F: R404A; W: R410A; Z: R407C; U: R407F; Y: R134A; L: R407A; E: R1234ze; H: Water; N: None, nitrogen loading)

In addition to this coding, the equipment is defined by an assambly code. These codes are three digits behind the letter A (Assembly).



WORKING LIMITS

The Reznor WH systems refrigeration design, specially conceived, allows efficient and reliable operation in all weather conditions, between -8ºC and 48ºC in the standard version and up to 52ºC in the tropicalized option, without changing the refrigerant, and up to +55ºC in its high resistence to warm weathers version with R134a refrigerant. For heating mode, Reznor CR units allow to work in wet temperature conditions between -10ºC and +18ºC.

AIR TEMPERATURE	EXTERNAL CONDITIONS		INTERNAL CONDITIONS	
STANDAR	MINIMUM	MAXIMUM	MINIMUN	MAXIMUN
COOLING	- 8ºC	+48 ºC	14ºC BH	22ºC BH
HEATING	-10 ºC BH	+18 ºC BH	10 ºC	27 ºC
TROPICALIZED	MINIMUN	MAXIMUN	MINIMUN	MAXIMUN
COOLING	- 8ºC	+52 ºC	14ºC BH	22ºC BH
HIGH TEMPERATURE R134A	MINIMUN	MAXIMUN	MINIMUN	MAXIMUN
COOLING	- 8ºC	+55 ºC	14ºC BH	22ºC BH

TECHNICAL SPECIFICATIONS

The Reznor Rooftop RTU systems are manufactured in steel sheetmetal structure of high mechanical strength and corrosion resistance.

Main features

- Optimized design for HCF-410A refrigerant.
- High energy efficiency with full load and partial load which reduces operating costs.
- Low noise level through the high performance fans, as well as the anti-vibration silent-blocks assembled for compressors and refrigerant circuits.
- Centrifugal fans, or opcionally radial plug-fan with EC motor in impulsion and return.
- High performance electronic control until four phases.
- Easily integrated with communication systems.
- All components and the control are checked and tested in the factory..
- Designed and conceived for maintenance. All components are near to the machine's perimeter for a better maintenance and ease of service.

Developed with the HFC410A a non-ozone depleting refrigerant with high performance latest generation scroll compressors developed by top brands, control by advanced microprocessor and high performance fans made of a composite material.

All these options are designed to simplify installation to simple operations such as refrigeration and electrical connection. The design of the units is also conceived for maximum access for maintenance and service, saving money and time throughout its operational life.

The Reznor rooftops include the latest technologies into its components and they have been laboratory tested under extreme conditions, proving that they are capable of operating in a wide range of climatic conditions of functioning. Our laboratories are continuously working on performance and durability tests in permanently monitored conditions, this allows our teams of technical specialists develop new solutions that are tailored to the needs of our customers.

Structure

The Reznor RTU units are manufactured as standard with self-supporting chassis of galvanized steel high zinc content. Some non-structural elements are made of aluminum for weight reduction. All machine parts are coated with oven cured polyester paint treatment.

The stainless steel condensate pan is removable for an easy cleaning.

Structure finishing details: On the top left, stainless removable isolated pan; on the top right, F7 filtering section, structure completely painted with thermally treated powder paint; at the bottom left, corner detail totally painted inside and out; at the bottom in the middle, motorized gate made of aluminium and completely painted inside; at the botton right, air tightness draught excluder and completely painted inside.

Optionally, it is posible to produce the series AL 5000 equipments with galvanized steel self-supporting frame and non-structural aluminium panels with high corrosion resistence.

Refridgertaion Circuit

High efficiency designed in staggered rows batteries of copper tubes and high performance aluminium fins.

The condensate pan is incorporated in the external batteries of reversible models standard chassis, allowing the assembly of the equipment in an indoor technical room or designated áreas, maintaining the floors clean.

Hermetic compressors scroll technology, with acoustic insulation as standard, mounted on anti vibration supports. It includes check valve in all compressors discharge, either internal or external mounted and discharge temperature sensor.

Full charge of refrigerant from factory.

Thermally isolated in all cold metallic lines of refrigerant or water.

Electrical board with compressor protection relay with detection of phase loss, phase equilibrium control and rotation.

Carter resistance electric heater for heat pump design.

Thermostatic expansion valve with external equalisation specifically seleted for each heat exchanger that can be used as evaporator. Heat pump systems are equipped with two expansion valves, one of them for de internal exchanger and the other for the external one.

Anti acid dehydrating filter, accumulator tank of refrigerant liquid in the heat pump systems and refrigerant liquid viewfinder.

Four ways cycle reversing valve for heat pump systems. Defrost cycle through cycle reversing by four ways valve.

Drop separator in aspiration of compressor standard.

Protections

The following protections are included as standard:

- Pressure switch of low and high pressure, and thermostat of high temperature of compressor discharge
- Differential pressure switch of dirty filter as standard, optionally for F filters.
- Thermal protection of compressor, thermomagnetic and protection relay of phases. Differential switches as optional.
- Thermomagnetic switch for the supply line of fans
- General switch in electric panel.
- Transport packaging for maximum protection, with pallet of reinforced wood and phytosanitary treatment according to international transport regulations.
- Design of enhanced evaporator in only-cooling systems

External and internal ventilation

Internal fans are equipped in centrifugal supply and return version as standard, and optionally in radial backward curved fins with EC motor incorporated.

The machines are equipped with HyBlade® axial external fans as standard, which are designed and developed in Europe. Constructed with an innovative and unique support structure of aluminum coated fins made of reinforced plastic with fiberglass. Its aerodynamic shape results in a huge noise reduction while as well increases its efficiency comparing with other traditional fins.

Axial motor-fan units of two speeds as standard, with motor class F, protection IP54 and thermal internal protection, of low noise level and reduced weight, they have been balanced in factory for less vibration with external protection grid lacquered with polyester.

Among the options of the Reznor condensing ventilation there is the high energy efficiency option with axial fans with EC technology and electronic control of condensation (XEE), low noise level (LNA), axial enhanced fans and centrifuge radials with available pressure for indoor installation with condensation driven air, all of them available with motor AC or EC. The standards units are prepared with condensate pan in the internal unit for its installation in indoor technical rooms.

Electronic control

The Reznor CR rooftop equipment integrates the electronic control platform CLIMANAGER ^{TM} that allows the air-to-air heat pump system complete control. It also allows the following elements conection:

- Other platforms CLIMANAGER^{TM} or PCO
- Temperature and/up humidity probes (up to maximum 6 units)
- Network analyzer (energy analyzer)
- Electronic EBM fans
- Gates servomotors.
- Electronic Expansion Valves driver modules
- Inverter Compressor driver modules
- Digital-Scroll Compressor driver modules

The CLIMANAGER^{TM} platform can use three different types of connectivity systems:

1- By BMS platform it can be connected to a technical management system centralized in RS485 or Ethernet connection and using the communication protocols Carel, Modbus, LonWorks, BACnet, Ethernet or Konnex.

2- By Field-Bus platform it allows the communication with probes and other equipments in RS485 connection and MODBUS protocol.

3- By pLAN platform it allows the with PDG1 / remote PLD PRO (up to 2 units) and other CLIMANAGER^{TM} platforms.

The board is prepared to be able to remotely connect with another devices (up to maximun 15 units) by a PGD1 control without any optional element (TCONN card only).

NOMINAL POWER TABLE

Model	0017	0020	0022	0026	0030	0035	0039	0044	1039	1041
Size	0	0	0	0	0	0	0	0	1	1
Indoor air flow (m3/h)	3300	3700	4000	4600	5100	6000	6800	7800	6800	6800
Only cooling rooftop										
Refrigeration capacity (kW) Gross	17.8	20.7	23.1	25.8	30.5	34.2	37.5	43.3	41.3	42.5
Refrigeration capacity (kW) Net	17.5	20.3	22.7	25.2	29.7	33.3	36.5	41.9	40.4	41.6
Refrigeration sensitive capacity (kW)	13.3	15.6	17.3	19.3	22.5	25.6	28.4	32.7	28.8	29.2
Sensitive Heat Factor	0.7	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.71	0.70
Compressor Absorbed Power (kW) (1)	4.9	5.8	6.4	7.0	8.5	9.3	10.3	12.7	10.9	10.6
Compressor nominal current (A)	8.9	10.5	11.6	12.6	15.4	16.8	18.6	23.0	19.1	24.3
Total absorbed power (kW)	5.7	6.6	7.6	8.4	10.1	12.1	13.2	15.9	13.5	13.2
EER Gross	3.6	3.6	3.6	3.7	3.6	3.7	3.6	3.4	3.2	3.4
EER Net	3.2	3.1	3.1	3.1	3.0	2.8	2.9	2.7	3.1	3.3
Clasification	A	A	A	A	A	B	B	C	A	A
Heat pump unit reversible rooftop										
Cooling mode										
Refrigeration capacity (kW) Gross	17.7	20.6	23.0	25.6	30.3	33.9	37.1	42.9	40.6	41.6
Refrigeration capacity (kW) Net	17.4	20.2	22.6	25.0	29.5	33.1	36.1	41.4	39.7	40.7
Refrigeration sensitive capacity (kW)	13.2	15.5	17.2	19.2	22.4	25.4	28.2	32.5	28.4	28.8
Sensitive Heat Factor	0.76	0.77	0.76	0.77	0.76	0.77	0.78	0.79	0.71	0.71
Compressor Absorbed Power (kW) (1)	4.9	5.8	6.4	7.0	8.5	9.3	10.3	12.7	11.3	11.58
Compressor nominal current (A)	8.9	10.5	11.6	12.6	15.4	16.8	18.6	23.0	19.6	25.4
Total absorbed power (kW)	5.7	6.6	7.6	8.4	10.1	12.1	13.2	15.9	13.9	14.2
EER Gross	3.60	3.60	3.60	3.70	3.60	3.70	3.60	3.40	3.15	3.16
EER Net	3.20	3.10	3.10	3.10	3.00	2.80	2.90	2.70	2.98	3.00
Clasification	A	A	A	A	A	B	B	C	B	A
Heating mode										
Heating Power (kW)	18.8	21.6	24.4	27.1	32.2	37.3	41.3	46.7	40.4	42.0
Compressor Absorbed Power (kW) (1)	4.5	5.1	6.2	6.4	7.7	9.0	10.1	11.8	10.07	11.3
Compressor nominal current (A)	8.1	9.2	11.1	11.6	13.9	16.3	18.2	21.3	18.5	24.4
Total absorbed power (kW)	5.3	5.9	7.3	7.8	9.3	11.8	13.0	15.0	14.3	15.5
COP Gross	4.1	4.2	3.9	4.1	4.1	4.0	4.0	3.8	3.46	3.26
COP Net	3.5	3.5	3.3	3.4	3.4	3.1	3.1	3.0	3.42	3.23
Clasification	A	A	B	A	A	C	C	C	A	B

(1) Nominal absorbed Power only for compressors

(2) Refrigeration data for return air 27ºC-50% (77ºF), external temperature 35ºC (95ºF).

(3) Refrigeration data for return air 20ºC – 50%, external temperature 6ºC BH.

(4) Nominal absorbed power (compressor motors, external and internal standar fan)

Model	0017	0020	0022	0026	0030	0035	0039	0044	1039	1041
Size	0	0	0	0	0	0	0	0	1	1
Internal air flow (m3/h)	3300	3700	4000	4600	5100	6000	6800	7800	6800	6800
No. Compressors	1	1	1	1	1	1	1	1	1	2
No. Refrigerant circuits	1	1	1	1	1	1	1	1	1	1
No. Control Stages	1	1	1	1	1	1	1	1	1	2
Max. Absorbed Current (A)	14,9	17,7	19,5	21,3	25,9	28,3	31,4	38,8	45,1	45,2
Length (mm)	2205	2205	2205	2205	2205	2205	2205	2205	2755	2755
Width (mm)	1370	1370	1370	1370	1370	1370	1370	1370	2100	2100
Height (mm)	1600	1600	1600	1600	1600	1600	1600	1600	1175	1175
Standar unladen weight (kg)	489	495	504	521	538	561	587	621	641	660
SSF assembly unladen weight (kg)	611	619	630	651	673	701	734	776	913	940
Noise pressure level Lw (db(A))	77	78	78	80	83	85	88	90	85	84
Noise pressure level Lp at 10 m (dbA) (4)	49	50	50	52	55	57	60	62	57	56
Only cooling rooftop										
Refrigerant power (kW) Net (2)	17.5	20.3	22.7	25.2	29.7	33.3	36.5	41.9	40.4	41.6
Heat pump unit reversible rooftop										
Cooling mode										
Refrigerant power (kW) Net (2)	17.4	20.2	22.6	25.0	29.5	33.1	36.1	41.4	39.7	40.7
Heating mode										
Heating power (kW) (3)	18.8	21.6	24.4	27.1	32.2	37.3	41.3	46.7	40.4	42.0
External Circuit Battery										
External air flow (m3/h)	14400	14400	14000	14000	14000	20000	20000	20000	20000	20000
No. fans	1	1	1	1	1	1	1	1	1	1
Diameter	800	800	800	800	800	800	800	800	800	800
Poles	8	8	8	8	8	6	6	6	6	6
Fan Absorbed Power (kW)	0.7	0.7	0.7	0.7	0.7	1.6	1.6	1.6	1.58	1.58
Internal Circuit Battery										
Internal air flow (m3/h)	3300	3700	4000	4600	5100	6000	6800	7800	6800	6800
Available nominal pressure (Pa)	80	80	100	100	100	100	100	100	100	100
Maximun available pressure (Pa)	750	750	750	750	750	700	700	700	680	680
No. Plugfan Units	1	1	1	1	1	1	1	1	1	1
Standar Centrifugal fan motor (5)	0,75	0,75	0,75	1,0	1,0	1,5	2,2	2,2	2,2	2,2
Standar Centrifugal fan Absorbed Power (5)	0,50	0,55	0,55	0,80	0,90	1,15	1,30	1,50	1,45	1,55
Plugfan absorbed power (kW) (5)	0.40	0.50	0.60	0.70	0.80	0.90	1.0	1.1	1.0	1.0

(1) Nominal absorbed Power only for compressors

(2) Refrigeration data for return air 27ºC-50% (77ºF), external temperature 35ºC (95ºF).

(3) Refrigeration data for return air 20ºC – 50%, external temperature 6ºC BH.

(1) Noise pressure level at 10 m distance, in free field, directivity 2 and 1,5 meters above the floor, according to standard ISO3744

(4) Absorbed power data for standard nominal point without filtering optionals.

Model	1044	1045	2050	2060	3070	3080	4090	4095	4100
Size	1	1	2	2	3	3	4	4	4
Internal Air Flow (m3/h)	7400	7400	8900	10300	12000	13300	15400	15400	17700
Only cooling rooftop									
Refrigerant power (kW) Gross	46.2	47.1	52.6	66.4	74.3	80.8	95.5	95.3	105.8
Refrigerant power (kW) Net	45.0	45.9	51.2	64.9	72.6	78.7	92.6	91.3	102.0
Sentivie refrigerant power (kW)	33.0	33.0	38.7	47.2	51.1	55.8	65.6	65.4	73.2
Sensitive heat factor	0.73	0.72	0.76	0.73	0.70	0.71	0.71	0.72	0.73
Compressor absorbed power (kW) (1)	11.67	11.8	15.4	17.2	19.3	21.9	24.4	24.2	28.0
Compressor nominal current (A)	22.8	22.6	36.1	34.8	35.4	38.2	47.4	42.6	49.3
Total absorbed power (kW)	14.3	14.4	18.1	19.9	22.3	25.2	29.7	32.0	35.3
EER Gross	3.40	3.43	3.06	3.51	3.50	3.36	3.35	3.34	3.27
EER Net	3.26	3.30	2.93	3.35	3.34	3.19	3.17	3.26	3.21
Clasification	A	A	B	A	A	A	A	A	A
Heat pump unit reversible rooftop									
Cooling mode									
Refrigerant power (kW) Gross	46.0	45.9	52.2	60.1	71.3	77.1	91.4	90.4	99.8
Refrigerant power (kW) Net	44.8	44.9	50.8	58.6	69.6	75.0	88.5	87.4	96.8
Sensitive refrigerant power (kW)	31.5	31.7	36.9	44.1	49.9	54.3	63.9	63.78	73.8
Sensitive heat factor	0.70	0.71	0.73	0.75	0.72	0.72	0.72	0.74	0.78
Compressor Absorbed power (kW) (1)	12.29	13	16.2	18.2	20.7	23.7	26.0	26.28	29.2
Compressor nominal current (A)	23.7	23.8	28	36	37	40.6	49.4	50.8	55.6
Total absorbed power (kW)	14.9	15.6	18.9	20.9	23.7	27.0	31.3	31.4	33.9
EER Gross	3.31	3.31	2.97	3.08	3.22	3.06	3.13	3.07	3.08
EER Net	2.99	3.10	2.75	2.87	2.99	2.80	2.81	2.91	2.94
Clasification	B	A	C	B	B	B	B	B	B
Heating mode									
Heating power (kW)	47.0	47.6	54.2	62.1	73.4	79.6	92.4	93.7	103.0
Compressor Absorbed power (kW) (1)	12.24	13.2	13.6	16.6	19.1	21.5	23.8	25.7	27.8
Compressor nominal current (A)	23.6	24.6	33	34	35.2	37.6	46.2	47.2	52.0
Potencia absorbida total (kW)	16.6	17.6	17.7	20.8	23.8	30.1	32.8	32.9	35.2
COP Gross	3.40	3.22	3.48	3.47	3.56	3.46	3.42	3.24	3.32
COP Net	3.34	3.16	3.39	3.34	3.39	3.25	3.29	3.22	3.30
Clasification	B	C	B	B	B	B	B	B	B

(1) Nominal absorbed Power only for compressors

(2) Refrigeration data for return air 27ºC-50% (77ºF), external temperature 35ºC (95ºF).

(3) Refrigeration data for return air 20ºC – 50%, external temperature 6ºC BH.

(4) Nominal absorbed power (compressor motors, external and internal standar fan)

Model	1044	1045	2050	2060	3070	3080	4090	4095	4100
Size	1	1	2	2	3	3	4	4	4
Internal Air Flow (m3/h)	7400	7400	8900	10300	12000	13300	15400	15400	17700
No. Compressors (5)	1	2	2	2	2	2	2	4	4
No. Refrigerant circuits	1	1	2	2	2	2	2	2	2
No. Control Stages	1	2	2	2	2	2	2	4	4
Maximum Absorbed Current (A)	47,5	47,6	61,9	75,3	83,4	89,3	91,7	105,1	119,1
Length (mm)	2755	2755	2755	2755	2755	2755	3055	3055	3055
Width (mm)	2100	2100	2100	2100	2100	2100	2100	2100	2100
Height (mm)	1175	1175	1555	1555	1810	1810	1810	1810	1810
Standar unladen weight (kg)	682	694	948	1075	1155	1210	1355	1419	1560
SSF assembly unladen weight (kg)	922	938	1282	1453	1562	1572	1699	1702	1872
Noise pressure level Lw (db(A))	86	85	85	85	86	85	86	86	88
Noise pressure level Lp at 10 m (dbA) (4)	58	57	57	57	58	57	58	58	60
Only cooling rooftop									
Refrigerant power (kW) Net (2)	45.0	45.9	51.2	64.9	72.6	78.7	92.6	91.3	102.0
Heat pump unit reversible rooftop									
Cooling mode									
Refrigerant power (kW) Net (2)	44.8	44.9	50.8	58.6	69.6	75.0	88.5	87.4	96.8
Heating mode									
Heating power (kW) (3)	46.9	47.6	52.2	62.1	73.4	79.6	92.4	93.7	103.0
External Circuit Battery									
External Air Flow (m3/h)	20000	20000	25000	24000	26000	26000	36000	36000	36000
No. fans	1	1	2	2	2	2	2	2	2
Diameter	800	800	800	800	800	800	800	800	800
Poles	6	6	8	8	8	8	6	6	6
Fan Absorbed Power (kW)	1.58	1.58	1.4	1.3	1.5	1.5	3.2	3.2	3.2
Internal Circuit Battery									
Internal Air Flow (m3/h)	7400	7400	8900	10300	12000	13300	15400	15400	17700
Available nominal pressure (Pa)	100	100	120	120	120	120	120	150	150
Maximum available pressure (Pa)	610	610	830	800	760	700	580	580	410
No. Plugfan units (6)	1	1	2	2	2	2	2	2	2
Plugfan Absorbed Power(kW) (6)	1.0	1.0	1.3	1.4	1.5	1.8	2.1	2.5	2.9

(1) Nominal absorbed Power only for compressors

(2) Refrigeration data for return air 27ºC-50% (77ºF), external temperature 35ºC (95ºF).

(3) Refrigeration data for return air 20ºC – 50%, external temperature 6ºC BH.

(4) Noise pressure level at 10 m distance, in free field, directivity 2 and 1,5 meters above the floor, according to standard ISO3744

(5) Series 2000 and 3000 equipments available in multiscroll option with tandem compressor, 4 compressors and 2 circuits.

(6) Absorbed power data for standard nominal point without filtering optionals.

Model	5120	5135	5140	5150	5170	6200	6230	7230	7260	7290
Size	5	5	5	5	5	6	6	7A	7B	7B
Internal Air Flow (m3/h)	19800	22700	23500	24900	28600	31900	35500	36000	39000	42500
Only cooling rooftop										
Refrigerant power (kW) Gross (2)	123.6	144.0	149.8	159.8	182.1	208.9	230.5	230.5	270.4	299.8
Refrigerant power (kW) Net	118.8	137.8	143.0	152.0	174.5	199.5	221.8	221.8	260.2	287.1
Sensitive refrigerant power (kW)	85.2	99.1	102.7	108.9	132.3	150.2	176.5	176.5	202.4	224.9
Sensitive Heat Factor	0.72	0.72	0.72	0.72	0.76	0.76	0.77	0.77	0.73	0.74
Compressor Absorbed Power (kW) (1)	32.6	38.9	41.0	43.0	50.7	58.5	65.8	65.8	75.1	84.2
Compressor Nominal Current (A)	57.4	68.6	72.3	75.8	89.4	103.0	114.0	114.0	138.9	155.7
Total Absorbed Power	44.1	49.4	52.9	53.9	61.3	70.6	82.5	82.5	94.9	106.6
EER Gross	3.30	3.25	3.27	3.32	3.24	3.06	3.05	3.05	3.07	3.06
EER Net	3.20	3.11	3.09	3.10	3.10	2.90	2.97	2.97	3.02	2.97
Energetic clasification	A	A	A	A	A	B	B	B	A	B
Heat pump unit reversible rooftop										
Cooling mode										
Refrigerant power (kW) Gross (2)	118.9	134.0	144.4	155.1	173.4	200.6	218.7	231.0	261.2	288.6
Refrigerant Power (kW) Net	115.9	131.0	141.4	152.1	169.4	196.6	212.7	227.0	251.0	275.9
Sensitive refrigerant power (kW)	83.4	98.4	100.5	107.2	129.1	146.8	166.9	177.9	192.5	211.4
Sensitive Heat Factor	0.74	0.77	0.73	0.73	0.78	0.76	0.78	0.81	0.74	0.73
Compressor Absorbed Power (kW) (1)	37.4	42.3	46.1	46.7	53.2	58.5	71.6	69.8	79.2	89.9
Compressor Absorbed Current (A)	73.6	75.2	80.0	80.0	98.8	103.1	122.2	119.2	137.9	156.5
Total Absorbed Power	41.7	45.1	47.7	50.8	54.7	69.0	84.5	82.5	99.0	112.3
EER Gross Version	2.92	2.93	2.95	3.13	3.07	3.07	2.89	3.01	2.94	2.90
EER Net Version	2.77	2.75	2.76	2.89	2.89	2.86	2.74	2.89	2.79	2.71
Energetic clasification	C	C	C	B	B	B	C	B	C	C
Heating mode										
Heating power (kW) (3)	118.9	142.4	149.1	158.7	183.2	210.2	234.1	234.1	286.6	308.3
Compressor Absorbed power (kW) (1)	31.7	38.0	40.9	43.6	46.6	56.9	66.8	66.8	70.2	76.3
Compressor nominal current (A)	62.2	70.0	73.2	76.0	90.4	104.0	112.4	112.4	126.8	137.8
Total absorbed power (kW) (4)	37.4	47.6	50.5	54.2	57.4	73.1	87.5	87.5	90.0	98.7
COP Gross	3.38	3.44	3.42	3.42	3.68	3.30	3.20	3.20	3.59	3.59
COP Net	3.31	3.34	3.30	3.28	3.57	3.20	3.14	3.14	3.56	3.52
Energetic clasification	B	B	B	B	A	B	C	C	A	A

(1) Nominal absorbed Power only for compressors

(2) Refrigeration data for return air 27ºC-50% (77ºF), external temperature 35ºC (95ºF).

(3) Refrigeration data for return air 20ºC – 50%, external temperature 6ºC BH.

(4) Nominal absorbed power (compressor motors, external and internal standar fan)

Technical Specification										
Model	5120	5135	5140	5150	5170	6200	6230	7230	7260	7300
Size	5	5	5	5	5	6	6	7	8	8
Internal air flow (m3/h)	19800	22700	23500	24900	28600	31900	35500	36000	39000	42500
No. Compressors	4	4	4	4	4	4	4	4	6	6
No. Refrigerant circuits	2	2	2	2	4	4	4	4	3	3
No. Control Stages	4	4	4	4	4	4	4	4	6	6
Maximun Absorbed Current (A)	135,1	144,5	153,8	166,8	173,2	217,3	247,5	247,5	248.1	275.5
Length (mm)	4575	4575	4575	4575	4575	4575	4575	5775	6375	6375
Width (mm)	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
Height (mm)	2200	2200	2200	2200	2200	2475	2475	2200	2200	2200
Standar unladen weight (kg)	2024	2093	2223	2140	2285	2579	2646	2798	3045	3130
SSF assembly unladen weight (kg)	2752	2511	2670	2568	2742	3094	3175	3358	3654	3756
Noise pressure level (db(A))	89	90	90	89	89	92	93	93	96	97
Noise pressure level Lp at 10 m (dbA) (4)	61	62	62	61	61	64	65	65	68	69
Only cooling rooftop										
Refrigerant Power (kW) Net (2)	118.8	137.8	143.0	152.0	174.5	199.5	221.8	221.8	260.2	287.1
Heat pump unit reversible rooftop										
Cooling mode										
Refrigerant Power (kW) Net (2)	115.9	131.0	141.4	152.1	169.4	196.6	212.7	217.0	251.0	275.9
Heating mode										
Heating Power (kW) (3)	118.9	142.4	149.1	158.7	183.2	210.2	234.1	234.1	286.6	308.3
External Circuit Battery										
External Air Flow (m3/h)	56000	56000	56000	56000	76000	76000	76000	76000	118000	118000
No. Fans	4	4	4	4	4	4	4	4	6	6
Diameter	800	800	800	800	800	800	800	800	800	800
Poles	8	8	8	8	6	6	6	6	6	6
Fan Absorbed power (kW) (1)	2.8	2.8	2.8	2.8	6.8	6.8	6.9	6.9	9.6	9.6
Internal Circuit Battery										
Internal air flow (m3/h)	19800	22700	23500	24900	28600	31900	35500	36000	39000	42500
Available nominal pressure (Pa)	150	150	150	150	150	150	150	150	150	180
Maximum available pressure (Pa)	690	590	570	500	650	550	390	390	450	450
Fan Useful Power (kW)	2.8	3.2	3.3	3.5	4.0	4.4	5.0	5.0	6.0	7.5
No. Plugfan Units (6)	3	3	3	3	4	4	4	4	5	5
Plugfan absorbed power(kW) (6)	3.4	3.7	4.0	4.4	4.9	5.3	5.8	5.8	7.2	7.2

(1) Nominal absorbed Power only for compressors

(2) Refrigeration data for return air 27ºC-50% (77ºF), external temperature 35ºC (95ºF).

(3) Refrigeration data for return air 20ºC – 50%, external temperature 6ºC BH.

(4) Noise pressure level at 10 m distance, in free field, directivity 2 and 1,5 meters above the floor, according to standard ISO3744

POWER TABLES.

ONLY COOLING UNITS

	External Air	20			35			45			48		
	Internal AIr	Pft	Pfs	Pa	Pft	Pfs	Pa	Pft	Pfs	Pa	Pft	Pfs	Pa
KCR-0017	23ºC 50%	18.1	17.1	3.7	16.1	13.6	4.8	14.0	12.6	6.1	13.9	10.4	6.3
	25ºC 50%	19.0	17.4	3.8	16.9	13.9	4.9	14.7	12.8	6.2	14.6	10.6	6.4
	27ºC 50%	19.9	17.4	3.8	17.8	13.9	4.9	15.5	12.8	6.2	15.3	10.6	6.4
	29ºC 50%	21.0	17.9	3.9	18.7	14.3	4.9	16.3	13.1	6.3	16.1	10.9	6.5
	31ºC 50%	22.0	18.1	3.9	19.6	14.4	5.0	17.1	13.3	6.4	16.9	11.0	6.6
KCR-0020	23ºC 50%	21.0	19.8	4.4	18.8	15.9	5.7	16.3	14.6	7.2	16.1	12.1	7.4
	25ºC 50%	22.1	20.2	4.5	19.7	16.1	5.7	17.1	14.9	7.3	16.9	12.3	7.5
	27ºC 50%	23.2	20.2	4.5	20.7	16.1	5.8	18.0	14.9	7.4	17.8	12.3	7.6
	29ºC 50%	24.4	20.8	4.6	21.8	16.6	5.9	18.9	15.3	7.4	18.7	12.6	7.7
	31ºC 50%	25.6	21.0	4.6	22.8	16.8	5.9	19.9	15.5	7.5	19.6	12.8	7.8
KCR-0022	23ºC 50%	23.4	22.1	4.9	20.9	17.7	6.3	18.2	16.3	7.9	18.0	13.5	8.2
	25ºC 50%	24.6	22.5	4.9	22.0	18.0	6.3	19.1	16.6	8.1	18.9	13.7	8.3
	27ºC 50%	25.9	22.5	5.0	23.1	18.0	6.4	20.1	16.6	8.1	19.9	13.7	8.4
	29ºC 50%	27.2	23.2	5.0	24.3	18.5	6.5	21.1	17.1	8.2	20.9	14.1	8.5
	31ºC 50%	28.5	23.4	5.1	25.5	18.7	6.5	22.2	17.2	8.3	21.9	14.2	8.6
KCR-0026	23ºC 50%	26.2	24.7	5.3	23.4	19.8	6.8	20.3	18.2	8.7	20.1	15.0	9.0
	25ºC 50%	27.5	25.2	5.4	24.6	20.1	6.9	21.4	18.5	8.8	21.1	15.3	9.1
	27ºC 50%	28.9	25.2	5.5	25.8	20.1	7.0	22.4	18.5	8.9	22.2	15.3	9.2
	29ºC 50%	30.4	25.9	5.5	27.1	20.7	7.1	23.6	19.0	9.0	23.3	15.7	9.3
	31ºC 50%	31.9	26.2	5.6	28.5	20.9	7.2	24.8	19.3	9.1	24.5	15.9	9.4
KCR-0030	23ºC 50%	30.9	29.2	6.5	27.6	23.4	8.3	24.0	21.5	10.5	23.8	17.8	10.9
	25ºC 50%	32.5	29.7	6.6	29.0	23.8	8.4	25.3	21.9	10.7	25.0	18.1	11.0
	27ºC 50%	34.2	29.7	6.6	30.5	23.8	8.5	26.5	21.9	10.8	26.2	18.1	11.1
	29ºC 50%	35.9	30.6	6.7	32.1	24.5	8.6	27.9	22.5	10.9	27.6	18.6	11.2
	31ºC 50%	37.7	30.9	6.8	33.7	24.8	8.7	29.3	22.8	11.0	28.9	18.8	11.4
KCR-0035	23ºC 50%	34.7	32.8	7.1	31.0	26.2	9.1	27.0	24.1	11.5	26.6	19.9	11.9
	25ºC 50%	36.5	33.3	7.2	32.5	26.7	9.2	28.3	24.5	11.7	28.0	20.3	12.1
	27ºC 50%	38.3	33.3	7.3	34.2	26.7	9.3	29.8	24.5	11.8	29.4	20.3	12.2
	29ºC 50%	40.3	34.3	7.3	35.9	27.4	9.4	31.3	25.3	11.9	30.9	20.9	12.3
	32ºC 50%	42.3	34.7	7.4	37.7	27.8	9.5	32.8	25.5	12.1	32.5	21.1	12.5
KCR-0039	23ºC 50%	38.0	35.9	7.8	34.0	28.7	10.1	29.6	26.4	12.8	29.2	21.8	13.2
	25ºC 50%	40.0	36.6	8.0	35.7	29.3	10.2	31.0	26.9	13.0	30.7	22.2	13.4
	27ºC 50%	42.0	36.6	8.0	37.5	29.3	10.3	32.6	26.9	13.1	32.3	22.2	13.5
	29ºC 50%	44.1	37.6	8.1	39.4	30.1	10.4	34.3	27.7	13.2	33.9	22.9	13.6
	31ºC 50%	46.3	38.0	8.2	41.4	30.4	10.5	36.0	28.0	13.4	35.6	23.1	13.8
KCR-0044	23ºC 50%	43.9	41.5	9.7	39.2	33.2	12.4	34.1	30.5	15.8	33.7	25.2	16.3
	25ºC 50%	46.1	42.2	9.8	41.2	33.8	12.6	35.8	31.1	16.0	35.4	25.7	16.5
	27ºC 50%	48.5	42.2	9.9	43.3	33.8	12.7	37.7	31.1	16.2	37.2	25.7	16.7
	29ºC 50%	51.0	43.4	10.0	45.5	34.8	12.8	39.6	32.0	16.3	39.1	26.4	16.8
	31ºC 50%	53.5	43.9	10.2	47.8	35.1	13.0	41.6	32.3	16.5	41.1	26.7	17.1

Pft : Total Refrigerant Power (kW)
Pfs : Sensitive Refrigerant Power (kW)
Pa: Total Absorbed Power (kW) (compressors and fans)

	External Air	20			35			45			48		
	Internal Air	Pft	Pfs	Pa	Pft	Pfs	Pa	Pft	Pfs	Pa	Pft	Pfs	Pa
KCR-1039	23°C 50%	41	35.3	10.3	36.6	28.3	13.2	31.8	26	16.7	31.5	21.5	17.3
	25°C 50%	43.1	35.9	10.4	38.5	28.8	13.4	33.5	26.5	17	33.1	21.9	17.5
	27°C 50%	45.3	35.9	10.5	40.4	28.8	13.5	35.2	26.5	17.1	34.8	21.9	17.7
	29°C 50%	47.6	37	10.6	42.5	29.6	13.6	36.9	27.2	17.3	36.5	22.5	17.8
	31°C 50%	49.9	37.4	10.8	44.6	29.9	13.8	38.8	27.5	17.5	38.3	22.7	18.1
KCR-1041	23°C 50%	42.2	35.9	10	37.7	28.7	12.9	32.8	26.4	16.4	32.4	21.8	16.9
	25°C 50%	44.4	36.5	10.2	39.6	29.2	13.1	34.5	26.9	16.6	34.1	22.2	17.1
	27°C 50%	46.6	36.5	10.3	41.6	29.2	13.2	36.2	26.9	16.7	35.8	22.2	17.3
	29°C 50%	49	37.5	10.4	43.8	30	13.3	38.1	27.6	16.9	37.6	22.8	17.4
	31°C 50%	51.4	38	10.5	45.9	30.4	13.5	40	27.9	17.1	39.5	23.1	17.7
KCR-1044	23°C 50%	45.7	40.6	10.9	40.8	32.5	13.9	35.5	29.9	17.7	35.1	24.7	18.2
	25°C 50%	48	41.3	11	42.8	33	14.1	37.3	30.4	17.9	36.8	25.1	18.5
	27°C 50%	50.4	41.3	11.1	45	33	14.3	39.2	30.4	18.1	38.7	25.1	18.7
	29°C 50%	53	42.5	11.2	47.3	34	14.4	41.2	31.3	18.3	40.7	25.8	18.8
	31°C 50%	55.6	43	11.4	49.7	34.4	14.6	43.2	31.6	18.5	42.7	26.1	19.1
KCR-1045	23°C 50%	46.6	40.5	11	41.6	32.4	14.1	36.2	29.8	17.8	35.8	24.6	18.4
	25°C 50%	49	41.3	11.1	43.7	33	14.2	38	30.4	18.1	37.6	25.1	18.7
	27°C 50%	51.5	41.3	11.2	45.9	33	14.4	40	30.4	18.3	39.5	25.1	18.8
	29°C 50%	54.1	42.4	11.3	48.3	34	14.5	42	31.2	18.4	41.5	25.8	19
	31°C 50%	56.8	42.9	11.5	50.7	34.3	14.7	44.1	31.6	18.7	43.6	26.1	19.3
KCR-2050	23°C 50%	52	47.6	13.8	46.4	38.1	17.6	40.4	35	22.4	39.9	28.9	23.1
	25°C 50%	54.6	48.4	13.9	48.8	38.7	17.9	42.4	35.6	22.7	41.9	29.4	23.4
	27°C 50%	57.4	48.4	14.1	51.2	38.7	18.1	44.6	35.6	22.9	44.1	29.4	23.6
	29°C 50%	60.3	49.8	14.2	53.9	39.9	18.2	46.9	36.7	23.1	46.3	30.3	23.9
	31°C 50%	63.3	50.4	14.4	56.6	40.3	18.5	49.2	37.1	23.4	48.6	30.6	24.2
KCR-2060	23°C 50%	65.8	58	15.2	58.8	46.4	19.4	51.1	42.7	24.7	50.5	35.2	25.5
	25°C 50%	69.1	59	15.4	61.7	47.2	19.7	53.7	43.4	25	53.1	35.9	25.8
	27°C 50%	72.6	59	15.5	64.9	47.2	19.9	56.4	43.4	25.3	55.8	35.9	26.1
	29°C 50%	76.4	60.7	15.7	68.2	48.5	20.1	59.3	44.7	25.5	58.6	36.9	26.3
	31°C 50%	80.2	61.4	15.9	71.6	49.1	20.4	62.3	45.2	25.9	61.6	37.3	26.7
KCR-3070	23°C 50%	73.7	62.8	17	65.8	50.3	21.8	57.3	46.2	27.6	56.6	38.2	28.5
	25°C 50%	77.4	63.9	17.2	69.1	51.1	22.1	60.1	47	28	59.4	38.9	28.9
	27°C 50%	81.4	63.9	17.4	72.6	51.1	22.3	63.2	47	28.3	62.5	38.9	29.2
	29°C 50%	85.5	65.8	17.5	76.4	52.6	22.5	66.4	48.4	28.5	65.7	40	29.4
	31°C 50%	89.8	66.5	17.8	80.2	53.2	22.8	69.7	49	28.9	68.9	40.4	29.8
KCR-3080	23°C 50%	79.9	68.5	19.2	71.3	54.8	24.7	62	50.4	31.3	61.3	41.7	32.3
	25°C 50%	83.9	69.7	19.5	74.9	55.8	25	65.2	51.3	31.8	64.4	42.4	32.8
	27°C 50%	88.2	69.7	19.7	78.7	55.8	25.2	68.5	51.3	32.1	67.7	42.4	33.1
	29°C 50%	92.7	71.7	19.9	82.7	57.4	25.5	72	52.8	32.3	71.1	43.6	33.4
	31°C 50%	97.3	72.5	20.1	86.9	58	25.8	75.6	53.4	32.8	74.7	44.1	33.8
KCR-4090	23°C 50%	94	80.5	22.7	83.9	64.4	29.1	73	59.3	36.9	72.2	49	38.1
	25°C 50%	98.7	82	23	88.1	65.6	29.5	76.7	60.3	37.4	75.8	49.8	38.6
	27°C 50%	103.7	82	23.2	92.6	65.6	29.7	80.6	60.3	37.8	79.7	49.8	39
	29°C 50%	109	84.3	23.4	97.4	67.5	30	84.7	62.1	38.1	83.7	51.3	39.3
	31°C 50%	114.5	85.3	23.7	102.2	68.2	30.4	88.9	62.8	38.6	87.9	51.8	39.9
KCR-4095	23°C 50%	92.6	80.4	24.4	82.7	64.3	31.3	72	59.2	39.7	71.1	48.9	41
	25°C 50%	97.3	81.8	24.7	86.9	65.4	31.7	75.6	60.2	40.3	74.7	49.7	41.5
	27°C 50%	102.3	81.8	25	91.3	65.4	32	79.4	60.2	40.6	78.5	49.7	41.9
	29°C 50%	107.5	84.2	25.2	96	67.3	32.3	83.5	61.9	41	82.5	51.2	42.3
	31°C 50%	112.8	85.1	25.5	100.7	68.1	32.7	87.7	62.6	41.6	86.6	51.7	42.9
KCR-4100	23°C 50%	103.5	89.9	26.9	92.4	71.9	34.5	80.4	66.2	43.8	79.5	54.7	45.2
	25°C 50%	108.7	91.5	27.3	97.1	73.2	35	84.4	67.3	44.4	83.5	55.6	45.8
	27°C 50%	114.2	91.5	27.5	102	73.2	35.3	88.7	67.3	44.8	87.7	55.6	46.2
	29°C 50%	120.1	94.1	27.8	107.2	75.3	35.6	93.3	69.3	45.2	92.2	57.2	46.7
	31°C 50%	126.1	95.2	28.2	112.6	76.2	36.1	97.9	70.1	45.9	96.8	57.9	47.3

Pft : Total Refrigerant Power (kW)
Pfs : Sensitive Refrigerant Power (kW)
Pa: Total Absorbed Power (kW) (compressors and fans)

	External Air	20			35			45			48		
	Internal Air	Pft	Pfs	Pa	Pft	Pfs	Pa	Pft	Pfs	Pa	Pft	Pfs	Pa
KCR-5120	23ºC 50%	120.5	104.7	33.6	107.6	83.7	43.1	93.6	77.0	54.7	92.6	63.6	56.4
	25ºC 50%	126.6	106.5	34.1	113.1	85.2	43.7	98.4	78.4	55.5	97.2	64.8	57.2
	27ºC 50%	133.1	106.5	34.4	118.8	85.2	44.1	103.4	78.4	56.0	102.2	64.8	57.8
	29ºC 50%	139.9	109.6	34.7	124.9	87.7	44.5	108.6	80.6	56.5	107.4	66.6	58.3
	31ºC 50%	146.8	110.8	35.2	131.1	88.6	45.1	114.1	81.6	57.3	112.7	67.4	59.1
KCR-5135	23ºC 50%	139.8	121.7	37.6	124.8	97.4	48.3	108.6	89.6	61.3	107.4	74.0	63.2
	25ºC 50%	146.9	123.9	38.2	131.1	99.1	48.9	114.1	91.2	62.2	112.8	75.3	64.1
	27ºC 50%	154.3	123.9	38.5	137.8	99.1	49.4	119.9	91.2	62.7	118.5	75.3	64.7
	29ºC 50%	162.2	127.5	38.9	144.8	102.0	49.9	126.0	93.8	63.3	124.6	77.5	65.3
	31ºC 50%	170.3	128.9	39.4	152.1	103.1	50.5	132.3	94.9	64.2	130.8	78.4	66.2
KCR-5140	23ºC 50%	145.1	126.1	40.3	129.5	100.9	51.7	112.7	92.8	65.6	111.4	76.7	67.7
	25ºC 50%	152.4	128.4	40.9	136.1	102.7	52.4	118.4	94.5	66.6	117.0	78.1	68.7
	27ºC 50%	160.2	128.4	41.3	143.0	102.7	52.9	124.4	94.5	67.2	123.0	78.1	69.3
	29ºC 50%	168.3	132.1	41.6	150.3	105.7	53.4	130.8	97.2	67.8	129.3	80.3	69.9
	31ºC 50%	176.7	133.6	42.2	157.8	106.9	54.1	137.3	98.3	68.7	135.7	81.2	70.9
KCR-5150	23ºC 50%	154.2	133.7	41.1	137.7	107.0	52.7	119.8	98.4	66.9	118.4	81.3	69.0
	25ºC 50%	162.0	136.1	41.7	144.6	108.9	53.4	125.8	100.2	67.8	124.4	82.7	70.0
	27ºC 50%	170.2	136.1	42.0	152.0	108.9	53.9	132.2	100.2	68.5	130.7	82.7	70.6
	29ºC 50%	178.9	140.0	42.4	159.8	112.0	54.4	139.0	103.1	69.1	137.4	85.1	71.3
	31ºC 50%	187.9	141.6	43.0	167.7	113.3	55.1	145.9	104.2	70.0	144.2	86.1	72.2
KCR-5170	23ºC 50%	177.1	162.6	46.7	158.1	130.0	59.9	137.5	119.6	76.1	136.0	98.8	78.5
	25ºC 50%	186.0	165.4	47.4	166.1	132.3	60.7	144.5	121.8	77.1	142.8	100.6	79.6
	27ºC 50%	195.4	165.4	47.8	174.5	132.3	61.3	151.8	121.8	77.9	150.1	100.6	80.3
	29ºC 50%	205.4	170.2	48.3	183.4	136.2	61.9	159.6	125.3	78.6	157.7	103.5	81.0
	31ºC 50%	215.7	172.1	48.9	192.6	137.7	62.7	167.5	126.7	79.6	165.6	104.6	82.1
KCR-6200	23ºC 50%	202.4	184.5	53.8	180.7	147.6	69.0	157.2	135.8	87.6	155.4	112.2	90.4
	25ºC 50%	212.6	187.8	54.6	189.8	150.2	70.0	165.2	138.2	88.8	163.3	114.2	91.6
	27ºC 50%	223.4	187.8	55.1	199.5	150.2	70.6	173.6	138.2	89.7	171.6	114.2	92.5
	29ºC 50%	234.9	193.2	55.6	209.7	154.5	71.2	182.4	142.2	90.5	180.3	117.5	93.3
	31ºC 50%	246.6	195.3	56.3	220.1	156.3	72.2	191.5	143.8	91.7	189.3	118.8	94.6
KCR-6230	23ºC 50%	215.8	205.0	64.4	192.7	164.0	82.6	167.6	150.9	104.9	165.7	124.6	108.2
	25ºC 50%	226.7	207.0	65.3	202.4	165.2	83.7	176.1	151.9	106.3	174.1	126.0	109.7
	27ºC 50%	238.2	208.6	65.9	212.7	166.9	84.5	185.0	153.5	107.3	182.9	126.8	110.7
	29ºC 50%	250.4	214.7	66.5	223.6	171.7	85.3	194.5	158.0	108.3	192.3	130.5	111.7
	31ºC 50%	262.9	217.1	67.4	234.7	173.7	86.4	204.2	159.8	109.8	201.9	132.0	113.2
KCR-7230	23ºC 50%	215.8	205.0	64.4	192.7	164.0	82.6	167.6	150.9	104.9	165.7	124.6	108.2
	25ºC 50%	226.7	207.0	65.3	202.4	165.2	83.7	176.1	151.9	106.3	174.1	126.0	109.7
	27ºC 50%	238.2	208.6	65.9	212.7	166.9	84.5	185.0	153.5	107.3	182.9	126.8	110.7
	29ºC 50%	250.4	214.7	66.5	223.6	171.7	85.3	194.5	158.0	108.3	192.3	130.5	111.7
	31ºC 50%	262.9	217.1	67.4	234.7	173.7	86.4	204.2	159.8	109.8	201.9	132.0	113.2
KCR-7260	23ºC 50%	259.8	227.9	68.6	232.0	182.3	87.9	201.8	167.7	111.7	199.5	138.5	115.2
	25ºC 50%	273.0	230.0	69.6	243.7	183.6	89.2	212.0	168.8	113.3	209.6	140.1	116.8
	27ºC 50%	286.8	231.9	70.2	256.1	185.5	90.0	222.8	170.7	114.3	220.2	141.0	117.9
	29ºC 50%	301.5	238.6	70.8	269.2	190.9	90.8	234.2	175.6	115.3	231.5	145.1	119.0
	31ºC 50%	316.5	241.3	71.8	282.6	193.0	92.1	245.9	177.6	116.9	243.0	146.7	120.6
KCR-7300	23ºC 50%	289.9	255.0	77.5	258.8	204.0	99.3	225.2	187.7	126.1	222.6	155.0	130.1
	25ºC 50%	304.5	257.4	78.5	271.9	205.5	100.7	236.5	188.9	127.9	233.8	156.7	131.9
	27ºC 50%	320.0	259.5	79.3	285.7	207.6	101.6	248.6	191.0	129.1	245.7	157.8	133.1
	29ºC 50%	336.3	267.0	80.0	300.3	213.6	102.6	261.3	196.5	130.3	258.3	162.3	134.4
	31ºC 50%	353.1	270.0	81.1	315.3	216.0	104.0	274.3	198.7	132.0	271.1	164.2	136.2

Pft : Total Refrigerant Power (kW)
Pfs : Sensitive Refrigerant Power (kW)
Pa: Total Absorbed Power (kW) (compressors and fans)

POWER TABLES
HEAT PUMP UNITS. COOLING MODE

	External Air	20			35			45			48		
	Internal Air	Pft	Pfs	Pa	Pft	Pfs	Pa	Pft	Pfs	Pa	Pft	Pfs	Pa
KCR-0017	23ºC 50%	17.7	16.2	3.7	15.8	13.0	4.8	13.7	11.9	6.1	13.6	9.9	6.3
	25ºC 50%	18.5	16.4	3.8	16.6	13.1	4.9	14.4	12.0	6.2	14.2	10.0	6.4
	27ºC 50%	19.5	16.5	3.8	17.4	13.2	4.9	15.1	12.1	6.2	15.0	10.0	6.4
	29ºC 50%	20.5	17.0	3.9	18.3	13.6	4.9	15.9	12.5	6.3	15.7	10.3	6.5
	31ºC 50%	21.5	17.2	3.9	19.2	13.7	5.0	16.7	12.6	6.4	16.5	10.4	6.6
KCR-0020	23ºC 50%	20.5	19.0	4.4	18.3	15.2	5.7	15.9	14.0	7.2	15.7	11.6	7.4
	25ºC 50%	21.5	19.2	4.5	19.2	15.3	5.7	16.7	14.1	7.3	16.5	11.7	7.5
	27ºC 50%	22.6	19.4	4.5	20.2	15.5	5.8	17.6	14.3	7.4	17.4	11.8	7.6
	29ºC 50%	23.8	19.9	4.6	21.2	15.9	5.9	18.5	14.7	7.4	18.3	12.1	7.7
	31ºC 50%	25.0	20.2	4.6	22.3	16.1	5.9	19.4	14.8	7.5	19.2	12.3	7.8
KCR-0022	23ºC 50%	22.9	21.1	4.9	20.5	16.9	6.3	17.8	15.5	7.9	17.6	12.8	8.2
	25ºC 50%	24.1	21.3	4.9	21.5	17.0	6.3	18.7	15.7	8.1	18.5	13.0	8.3
	27ºC 50%	25.3	21.5	5.0	22.6	17.2	6.4	19.7	15.8	8.1	19.4	13.1	8.4
	29ºC 50%	26.6	22.1	5.0	23.8	17.7	6.5	20.7	16.3	8.2	20.4	13.4	8.5
	31ºC 50%	27.9	22.4	5.1	24.9	17.9	6.5	21.7	16.5	8.3	21.4	13.6	8.6
KCR-0026	23ºC 50%	25.4	23.6	5.3	22.6	18.9	6.8	19.7	17.4	8.7	19.5	14.3	9.0
	25ºC 50%	26.6	23.8	5.4	23.8	19.0	6.9	20.7	17.5	8.8	20.5	14.5	9.1
	27ºC 50%	28.0	24.0	5.5	25.0	19.2	7.0	21.8	17.7	8.9	21.5	14.6	9.2
	29ºC 50%	29.4	24.7	5.5	26.3	19.8	7.1	22.9	18.2	9.0	22.6	15.0	9.3
	31ºC 50%	30.9	25.0	5.6	27.6	20.0	7.2	24.0	18.4	9.1	23.7	15.2	9.4
KCR-0030	23ºC 50%	29.9	27.5	6.5	26.7	22.0	8.3	23.3	20.3	10.5	23.0	16.7	10.9
	25ºC 50%	31.4	27.8	6.6	28.1	22.2	8.4	24.4	20.4	10.7	24.1	16.9	11.0
	27ºC 50%	33.0	28.0	6.6	29.5	22.4	8.5	25.7	20.6	10.8	25.4	17.0	11.1
	29ºC 50%	34.7	28.8	6.7	31.0	23.0	8.6	27.0	21.2	10.9	26.7	17.5	11.2
	31ºC 50%	36.5	29.1	6.8	32.6	23.3	8.7	28.3	21.4	11.0	28.0	17.7	11.4
KCR-0035	23ºC 50%	33.6	31.2	7.1	30.0	25.0	9.1	26.1	23.0	11.5	25.8	19.0	11.9
	25ºC 50%	35.3	31.5	7.2	31.5	25.1	9.2	27.4	23.1	11.7	27.1	19.2	12.1
	27ºC 50%	37.1	31.8	7.3	33.1	25.4	9.3	28.8	23.4	11.8	28.5	19.3	12.2
	29ºC 50%	39.0	32.7	7.3	34.8	26.1	9.4	30.3	24.0	11.9	29.9	19.9	12.3
	31ºC 50%	40.9	33.0	7.4	36.5	26.4	9.5	31.8	24.3	12.1	31.4	20.1	12.5
KCR-0039	23ºC 50%	36.6	34.6	7.8	32.7	27.7	10.1	28.5	25.5	12.8	28.1	21.1	13.2
	25ºC 50%	38.5	35.0	8.0	34.4	27.9	10.2	29.9	25.7	13.0	29.5	21.3	13.4
	27ºC 50%	40.4	35.3	8.0	36.1	28.2	10.3	31.4	25.9	13.1	31.0	21.4	13.5
	29ºC 50%	42.5	36.3	8.1	37.9	29.0	10.4	33.0	26.7	13.2	32.6	22.1	13.6
	31ºC 50%	44.6	36.7	8.2	39.8	29.3	10.5	34.7	27.0	13.4	34.3	22.3	13.8
KCR-0044	23ºC 50%	42.0	39.9	9.7	37.5	31.9	12.4	32.6	29.4	15.8	32.3	24.3	16.3
	25ºC 50%	44.1	40.3	9.8	39.4	32.2	12.6	34.3	29.6	16.0	33.9	24.5	16.5
	27ºC 50%	46.4	40.6	9.9	41.4	32.5	12.7	36.0	29.9	16.2	35.6	24.7	16.7
	29ºC 50%	48.7	41.8	10.0	43.5	33.4	12.8	37.9	30.8	16.3	37.4	25.4	16.8
	31ºC 50%	51.2	42.3	10.2	45.7	33.8	13.0	39.7	31.1	16.5	39.3	25.7	17.1

Pft : Total Refrigerant Power (kW)
Pfs : Sensitive Refrigerant Power (kW)
Pa: Total Absorbed Power (kW) (compressors and fans)

	External Air	20			35			45			48		
	Internal Air	Pft	Pfs	Pa	Pft	Pfs	Pa	Pft	Pfs	Pa	Pft	Pfs	Pa
KCR-1039	23°C 50%	40.3	34.9	10.6	36	27.9	13.6	31.3	25.7	17.2	30.9	21.2	17.8
	25°C 50%	42.3	35.3	10.7	37.8	28.1	13.8	32.9	25.9	17.5	32.5	21.5	18
	27°C 50%	44.5	35.5	10.8	39.7	28.4	13.9	34.5	26.2	17.6	34.1	21.6	18.2
	29°C 50%	46.7	36.6	10.9	41.7	29.3	14	36.3	26.9	17.8	35.9	22.2	18.3
	31°C 50%	49.1	37	11.1	43.8	29.6	14.2	38.1	27.2	18	37.7	22.5	18.6
KCR-1041	23°C 50%	41.3	35.4	10.8	36.9	28.3	13.8	32.1	26.1	17.6	31.7	21.5	18.1
	25°C 50%	43.4	35.7	10.9	38.8	28.5	14	33.7	26.2	17.8	33.3	21.8	18.4
	27°C 50%	45.6	36	11	40.7	28.8	14.2	35.4	26.5	18	35	21.9	18.5
	29°C 50%	48	37.1	11.1	42.8	29.7	14.3	37.2	27.3	18.1	36.8	22.5	18.7
	31°C 50%	50.3	37.5	11.3	44.9	30	14.5	39.1	27.6	18.4	38.7	22.8	19
KCR-1044	23°C 50%	45.4	38.7	11.3	40.6	31	14.5	35.3	28.5	18.5	34.9	23.5	19
	25°C 50%	47.7	39.1	11.5	42.6	31.2	14.7	37.1	28.7	18.7	36.7	23.8	19.3
	27°C 50%	50.2	39.4	11.6	44.8	31.5	14.9	39	29	18.9	38.5	23.9	19.5
	29°C 50%	52.7	40.5	11.7	47.1	32.4	15	41	29.8	19.1	40.5	24.6	19.7
	31°C 50%	55.4	41	11.9	49.4	32.8	15.2	43	30.2	19.3	42.5	24.9	19.9
KCR-1045	23°C 50%	45.3	38.6	11.9	40.5	30.9	15.2	35.2	28.4	19.3	34.8	23.5	19.9
	25°C 50%	47.6	38.9	12	42.5	31.1	15.4	37	28.6	19.6	36.6	23.7	20.2
	27°C 50%	50	39.3	12.2	44.9	31.7	15.6	38.9	28.9	19.8	38.4	23.9	20.4
	29°C 50%	52.6	40.4	12.3	47	32.3	15.7	40.9	29.7	20	40.4	24.6	20.6
	31°C 50%	55.2	40.8	12.4	49.3	32.7	15.9	42.9	30.1	20.2	42.4	24.8	20.9
KCR-2050	23°C 50%	51.5	45.4	14.4	46	36.3	18.5	40	33.4	23.5	39.6	27.6	24.2
	25°C 50%	54.1	45.8	14.6	48.3	36.6	18.7	42	33.6	23.8	41.6	27.9	24.5
	27°C 50%	56.9	46.2	14.7	50.8	36.9	18.9	44.2	34	24	43.7	28.1	24.8
	29°C 50%	59.8	47.5	14.9	53.4	38	19.1	46.4	35	24.2	45.9	28.9	25
	31°C 50%	62.8	48	15.1	56	38.4	19.3	48.8	35.4	24.6	48.2	29.2	25.3
KCR-2060	23°C 50%	59.5	54.2	15.9	53.1	43.4	20.4	46.2	39.9	25.9	45.7	33	26.8
	25°C 50%	62.5	54.7	16.2	55.8	43.7	20.7	48.5	40.2	26.3	48	33.3	27.1
	27°C 50%	65.7	55.2	16.3	58.6	44.1	20.9	51	40.6	26.5	50.4	33.5	27.4
	29°C 50%	69	56.8	16.5	61.6	45.4	21.1	53.6	41.8	26.8	53	34.5	27.6
	31°C 50%	72.5	57.4	16.7	64.7	45.9	21.4	56.3	42.3	27.2	55.6	34.9	28
KCR-3070	23°C 50%	70.6	61.3	18	63	49.1	23.1	54.9	45.1	29.4	54.2	37.3	30.3
	25°C 50%	74.2	61.9	18.3	66.2	49.4	23.4	57.6	45.4	29.8	57	37.7	30.7
	27°C 50%	77.9	62.4	18.5	69.6	49.9	23.7	60.5	45.9	30	59.9	38	31
	29°C 50%	81.9	64.2	18.6	73.1	51.4	23.9	63.6	47.3	30.3	62.9	39.1	31.3
	31°C 50%	86	65	18.9	76.8	52	24.2	66.8	47.8	30.7	66	39.5	31.7
KCR-3080	23°C 50%	76.1	66.7	20.6	67.9	53.4	26.4	59.1	49.1	33.5	58.4	40.6	34.6
	25°C 50%	79.9	67.3	20.9	71.3	53.8	26.8	62.1	49.4	34	61.4	41	35
	27°C 50%	84	67.9	21.1	75	54.3	27	65.2	50	34.3	64.5	41.3	35.4
	29°C 50%	88.3	69.8	21.3	78.8	55.9	27.2	68.6	51.4	34.6	67.8	42.5	35.7
	31°C 50%	92.7	70.6	21.5	82.7	56.5	27.6	72	52	35.1	71.1	42.9	36.2
KCR-4090	23°C 50%	89.8	78.5	23.8	80.2	62.8	30.5	69.8	57.8	38.8	69	47.7	40
	25°C 50%	94.3	79.3	24.2	84.2	63.3	31	73.3	58.2	39.3	72.4	48.3	40.6
	27°C 50%	99.1	79.9	24.4	88.5	63.9	31.3	77	58.8	39.7	76.1	48.6	41
	29°C 50%	104.2	82.2	24.6	93	65.8	31.5	80.9	60.5	40.1	80	50	41.3
	31°C 50%	109.4	83.1	24.9	97.7	66.5	32	85	61.2	40.6	84	50.5	41.9
KCR-4095	23°C 50%	88.6	78.3	23.9	79.1	62.7	30.7	68.9	57.7	39	68.1	47.6	40.2
	25°C 50%	93.1	79.1	24.3	83.1	63.1	31.1	72.3	58	39.5	71.5	48.2	40.8
	27°C 50%	97.8	79.7	24.5	87.4	63.8	31.4	76	58.7	39.9	75.1	48.5	41.1
	29°C 50%	102.8	82	24.7	91.8	65.6	31.7	79.9	60.4	40.2	79	49.9	41.5
	31°C 50%	108	83	25.1	96.4	66.4	32.1	83.9	61.1	40.8	82.9	50.4	42.1
KCR-4100	23°C 50%	98.2	90.7	25.8	87.6	72.5	33.1	76.3	66.7	42.1	75.4	55.1	43.4
	25°C 50%	103.1	91.5	26.2	92.1	73.1	33.6	80.1	67.2	42.7	79.2	55.7	44
	27°C 50%	108.4	92.3	26.4	96.8	73.8	33.9	84.2	67.9	43.1	83.2	56.1	44.4
	29°C 50%	113.9	94.9	26.7	101.7	75.9	34.2	88.5	69.9	43.4	87.5	57.7	44.8
	31°C 50%	119.6	96	27	106.8	76.8	34.7	92.9	70.6	44	91.8	58.4	45.4

Pft : Total Refrigerant Power (kW)
Pfs : Sensitive Refrigerant Power (kW)
Pa: Total Absorbed Power (kW) (compressors and fans)

	External Air	20			35			45			48		
	Internal Air	Pft	Pfs	Pa	Pft	Pfs	Pa	Pft	Pfs	Pa	Pft	Pfs	Pa
KCR-5120	23°C 50%	117.6	102.4	31.8	105.0	81.9	40.7	91.4	75.4	51.7	90.3	62.3	53.4
	25°C 50%	123.6	103.4	32.2	110.3	82.5	41.3	96.0	75.9	52.5	94.9	62.9	54.1
	27°C 50%	129.8	104.2	32.5	115.9	83.4	41.7	100.9	76.7	53.0	99.7	63.4	54.6
	29°C 50%	136.5	107.2	32.8	121.8	85.8	42.1	106.0	78.9	53.4	104.8	65.2	55.1
	31°C 50%	143.3	108.4	33.3	127.9	86.7	42.7	111.3	79.8	54.2	110.0	65.9	55.9
KCR-5135	23°C 50%	132.9	120.9	34.4	118.7	96.7	44.1	103.2	89.0	56.0	102.0	73.5	57.7
	25°C 50%	139.6	122.0	34.9	124.6	97.4	44.7	108.4	89.5	56.8	107.2	74.3	58.5
	27°C 50%	146.7	123.0	35.2	131.0	98.4	45.1	114.0	90.5	57.3	112.6	74.8	59.1
	29°C 50%	154.2	126.6	35.5	137.7	101.2	45.5	119.8	93.1	57.8	118.4	76.9	59.6
	31°C 50%	161.9	128.0	36.0	144.5	102.4	46.1	125.7	94.2	58.6	124.3	77.8	60.4
KCR-5140	23°C 50%	143.4	123.4	36.4	128.1	98.8	46.6	111.4	90.9	59.2	110.1	75.1	61.1
	25°C 50%	150.7	124.6	36.9	134.5	99.5	47.3	117.0	91.5	60.0	115.7	75.9	61.9
	27°C 50%	158.3	125.6	37.2	141.4	100.5	47.7	123.0	92.5	60.6	121.6	76.4	62.5
	29°C 50%	166.4	129.3	37.5	148.6	103.4	48.1	129.3	95.1	61.1	127.8	78.6	63.1
	31°C 50%	174.7	130.7	38.1	156.0	104.6	48.8	135.7	96.2	62.0	134.2	79.5	63.9
KCR-5150	23°C 50%	154.3	131.7	38.7	137.8	105.3	49.6	119.8	96.9	63.0	118.5	80.1	65.0
	25°C 50%	162.1	132.9	39.3	144.7	106.1	50.3	125.9	97.6	63.9	124.4	80.9	65.9
	27°C 50%	170.3	134.0	39.6	152.1	107.2	50.8	132.3	98.6	64.5	130.8	81.5	66.5
	29°C 50%	179.0	137.9	40.0	159.8	110.3	51.3	139.1	101.5	65.1	137.5	83.8	67.2
	31°C 50%	187.9	139.4	40.5	167.8	111.5	52.0	146.0	102.6	66.0	144.3	84.8	68.1
KCR-5170	23°C 50%	171.8	158.6	41.7	153.4	126.9	53.4	133.5	116.7	67.9	131.9	96.4	70.0
	25°C 50%	180.5	160.1	42.3	161.2	127.8	54.2	140.2	117.5	68.8	138.6	97.5	71.0
	27°C 50%	189.7	161.4	42.7	169.4	129.1	54.7	147.3	118.8	69.5	145.6	98.1	71.7
	29°C 50%	199.4	166.1	43.1	178.0	132.9	55.2	154.9	122.2	70.1	153.1	101.0	72.3
	31°C 50%	209.3	167.9	43.6	186.9	134.3	56.0	162.6	123.6	71.1	160.7	102.1	73.3
KCR-6200	23°C 50%	199.5	180.4	52.6	178.1	144.3	67.4	154.9	132.8	85.6	153.2	109.7	88.3
	25°C 50%	209.5	182.1	53.3	187.1	145.4	68.4	162.8	133.6	86.8	160.9	110.9	89.6
	27°C 50%	220.2	183.6	53.8	196.6	146.8	69.0	171.0	135.1	87.6	169.1	111.6	90.4
	29°C 50%	231.4	188.9	54.3	206.6	151.1	69.6	179.8	139.0	88.4	177.7	114.8	91.2
	31°C 50%	243.0	191.0	55.1	216.9	152.8	70.6	188.7	140.6	89.6	186.6	116.1	92.5
KCR-6230	23°C 50%	230.3	218.5	62.9	205.6	174.8	80.6	178.9	160.8	102.4	176.9	132.9	105.6
	25°C 50%	241.9	220.6	63.8	216.0	176.1	81.7	187.9	161.9	103.8	185.8	134.3	107.1
	27°C 50%	254.2	222.4	64.4	227.0	177.9	82.5	197.5	163.7	104.8	195.2	135.2	108.1
	29°C 50%	267.2	228.8	64.9	238.6	183.0	83.3	207.6	168.4	105.7	205.2	139.1	109.1
	31°C 50%	280.6	231.4	65.8	250.5	185.1	84.4	217.9	170.3	107.2	215.4	140.7	110.6
KCR-7230	23°C 50%	230.3	218.5	62.9	205.6	174.8	80.6	178.9	160.8	102.4	176.9	132.9	105.6
	25°C 50%	241.9	220.6	63.8	216.0	176.1	81.7	187.9	161.9	103.8	185.8	134.3	107.1
	27°C 50%	254.2	222.4	64.4	227.0	177.9	82.5	197.5	163.7	104.8	195.2	135.2	108.1
	29°C 50%	267.2	228.8	64.9	238.6	183.0	83.3	207.6	168.4	105.7	205.2	139.1	109.1
	31°C 50%	280.6	231.4	65.8	250.5	185.1	84.4	217.9	170.3	107.2	215.4	140.7	110.6
KCR-7260	23°C 50%	259.8	227.9	68.6	232.0	182.3	87.9	201.8	167.7	111.7	199.5	138.5	115.2
	25°C 50%	273.0	230.0	69.6	243.7	183.6	89.2	212.0	168.8	113.3	209.6	140.1	116.8
	27°C 50%	286.8	231.9	70.2	256.1	185.5	90.0	222.8	170.7	114.3	220.2	141.0	117.9
	29°C 50%	301.5	238.6	70.8	269.2	190.9	90.8	234.2	175.6	115.3	231.5	145.1	119.0
	31°C 50%	316.5	241.3	71.8	282.6	193.0	92.1	245.9	177.6	116.9	243.0	146.7	120.6
KCR-7300	23°C 50%	289.9	255.0	77.5	258.8	204.0	99.3	225.2	187.7	126.1	222.6	155.0	130.1
	25°C 50%	304.5	257.4	78.5	271.9	205.5	100.7	236.5	188.9	127.9	233.8	156.7	131.9
	27°C 50%	320.0	259.5	79.3	285.7	207.6	101.6	248.6	191.0	129.1	245.7	157.8	133.1
	29°C 50%	336.3	267.0	80.0	300.3	213.6	102.6	261.3	196.5	130.3	258.3	162.3	134.4
	31°C 50%	353.1	270.0	81.1	315.3	216.0	104.0	274.3	198.7	132.0	271.1	164.2	136.2

Pft : Total Refrigerant Power (kW)
Pfs : Sensitive Refrigerant Power (kW)
Pa: Total Absorbed Power (kW) (compressors and fans)

POWER TABLES
HEAT PUMP UNITS. HEATING MODE

	External Air	-5ºC BH		-2ºC BH		0ºC BH		+3ºC BH		+6ºC BH		+10ºC BH	
	Flow	Pcal	Pabs	Pcal	Pabs	Pcal	Pabs	Pcal	Pabs	Pcal	Pabs	Pcal	Pabs
0017	2640	14.3	4.6	15.3	4.7	16.3	4.8	17.4	4.9	18.9	5.1	20.8	5.3
	3300	14.3	4.8	15.2	4.9	16.2	5.0	17.2	5.1	18.8	5.3	20.6	5.5
	3960	14.2	5.1	15.1	5.2	16.1	5.3	17.0	5.5	18.5	5.7	20.2	5.9
0020	2960	16.4	5.2	17.6	5.3	18.8	5.4	20.0	5.5	21.7	5.7	23.9	5.9
	3700	16.4	5.3	17.5	5.4	18.7	5.6	19.8	5.7	21.6	5.9	23.7	6.1
	4440	16.3	5.7	17.4	5.8	18.5	6.0	19.6	6.1	21.2	6.4	23.2	6.7
0022	3200	18.6	6.4	19.9	6.6	21.2	6.7	22.5	6.9	24.5	7.1	27.0	7.3
	4000	18.6	6.6	19.8	6.8	21.1	6.9	22.4	7.1	24.4	7.3	26.8	7.6
	4800	18.4	7.1	19.6	7.2	20.9	7.4	22.1	7.6	24.0	7.9	26.2	8.2
0026	3680	20.6	6.9	22.1	7.0	23.5	7.1	25.0	7.3	27.3	7.5	30.0	7.8
	4600	20.6	7.1	22.0	7.2	23.4	7.4	24.9	7.5	27.1	7.8	29.7	8.0
	5520	20.5	7.5	21.8	7.7	23.2	7.9	24.6	8.1	26.6	8.4	29.1	8.7
0030	4080	24.5	8.2	26.2	8.3	28.0	8.5	29.8	8.7	32.4	8.9	35.7	9.3
	5100	24.5	8.4	26.1	8.6	27.8	8.8	29.6	9.0	32.2	9.3	35.3	9.6
	6120	24.3	8.9	25.9	9.2	27.5	9.4	29.2	9.6	31.6	10.0	34.6	10.4
0035	4800	28.4	10.5	30.4	10.7	32.4	10.9	34.5	11.1	37.5	11.4	41.3	11.8
	6000	28.4	10.8	30.3	11.0	32.2	11.2	34.3	11.4	37.3	11.8	40.9	12.2
	7200	28.2	11.4	30.0	11.6	31.9	11.9	33.8	12.2	36.7	12.6	40.1	13.1
0039	5440	31.4	11.5	33.7	11.8	35.9	12.0	38.2	12.2	41.6	12.5	45.8	13.0
	6800	31.4	11.9	33.5	12.1	35.7	12.3	37.9	12.6	41.3	13.0	45.3	13.4
	8160	31.2	12.5	33.2	12.8	35.3	13.1	37.4	13.4	40.6	13.9	44.4	14.5
0044	6240	35.6	13.3	38.1	13.6	40.6	13.9	43.2	14.1	47.0	14.5	51.8	15.0
	7800	35.6	13.7	37.9	14.0	40.4	14.3	42.9	14.6	46.7	15.0	51.3	15.5
	9360	35.3	14.5	37.6	14.9	40.0	15.2	42.4	15.6	46.0	16.1	50.3	16.8
1039	5440	30.8	12.9	32.9	13.1	35.1	13.3	37.4	13.5	40.7	13.9	44.8	14.3
	6800	30.7	13.2	32.8	13.4	34.9	13.6	37.1	13.9	40.4	14.3	44.3	14.7
	8160	30.5	13.9	32.5	14.1	34.6	14.5	36.6	14.8	39.7	15.2	43.5	15.8
1041	5440	32.0	13.9	34.3	14.2	36.5	14.4	38.9	14.7	42.3	15.0	46.6	15.5
	6800	32.0	14.3	34.1	14.5	36.3	14.8	38.6	15.1	42.0	15.5	46.1	16.0
	8160	31.8	15.0	33.8	15.4	36.0	15.7	38.1	16.0	41.3	16.6	45.2	17.2
1044	5920	35.8	14.9	38.3	15.2	40.9	15.5	43.5	15.7	47.3	16.2	52.1	16.7
	7400	35.8	15.3	38.1	15.6	40.7	15.9	43.2	16.2	47.0	16.6	51.6	17.2
	8880	35.5	16.2	37.8	16.5	40.2	16.9	42.6	17.2	46.2	17.8	50.6	18.5
1045	5920	36.2	15.7	38.8	16.0	41.4	16.3	44.0	16.6	47.9	17.1	52.8	17.6
	7400	36.2	16.2	38.6	16.5	41.2	16.8	43.7	17.1	47.6	17.6	52.3	18.2
	8880	36.0	17.1	38.3	17.4	40.7	17.8	43.2	18.2	46.8	18.9	51.2	19.6
2050	7120	39.8	15.8	42.6	16.1	45.5	16.4	48.3	16.7	52.6	17.2	57.9	17.7
	8900	39.8	16.2	42.4	16.5	45.2	16.9	48.0	17.2	52.2	17.7	57.4	18.3
	10680	39.5	17.2	42.1	17.5	44.7	17.9	47.4	18.4	51.4	19.0	56.3	19.8
2060	8240	47.3	18.5	50.7	18.9	54.1	19.2	57.5	19.6	62.6	20.2	68.9	20.9
	10300	47.3	19.0	50.5	19.4	53.8	19.8	57.1	20.2	62.1	20.8	68.2	21.6
	12360	47.0	20.2	50.0	20.6	53.2	21.1	56.4	21.6	61.1	22.4	66.9	23.3
3070	9600	55.9	21.1	59.9	21.6	63.9	22.0	67.9	22.4	73.9	23.0	81.4	23.8
	12000	55.9	21.7	59.6	22.2	63.5	22.6	67.5	23.1	73.4	23.8	80.6	24.7
	14400	55.5	23.0	59.1	23.6	62.8	24.1	66.6	24.7	72.2	25.6	79.0	26.7
3080	10640	60.7	27.1	65.0	27.6	69.3	28.1	73.7	28.5	80.2	29.3	88.3	30.2
	13300	60.6	27.8	64.7	28.3	68.9	28.8	73.2	29.3	79.6	30.1	87.5	31.1
	15960	60.2	29.3	64.1	29.8	68.2	30.5	72.3	31.2	78.3	32.2	85.8	33.4
4090	12320	70.4	29.4	75.4	30.0	80.4	30.5	85.5	31.0	93.1	31.8	102.5	32.8
	15400	70.4	30.2	75.1	30.7	80.0	31.3	85.0	31.9	92.4	32.8	101.5	33.9
	18480	69.9	31.8	74.4	32.5	79.1	33.2	83.9	33.9	90.9	35.0	99.5	364
4095	12320	71.4	27.8	76.5	28.4	81.6	29.0	86.7	29.6	94.4	30.4	103.9	31.5
	15400	71.4	28.6	76.1	29.2	81.1	29.8	86.2	30.5	93.7	31.4	102.9	32.6
	18480	70.9	30.4	75.4	31.1	80.3	31.9	85.1	32.7	92.2	33.9	100.9	35.3

Heating power at an internal temperature 20ºC. Total absorbed power in compressors, axial fans and internal fan motors. Minimun flow 20% less than the nominal one. Maximun flow 20% more than the nominal one except of model 6200 in which it is 11% (without stopdrop) and model 6230 in which it is the same as the nominal one.

	External Air	-5ºC BH		-2ºC BH		0ºC BH		+3ºC BH		+6ºC BH		+10ºC BH	
	Flow	Pcal	Pabs	Pcal	Pabs	Pcal	Pabs	Pcal	Pabs	Pcal	Pabs	Pcal	Pabs
4100	14160	78.5	30.0	84.1	30.6	89.7	31.2	95.3	31.9	103.8	32.8	114.2	34.0
	17700	78.5	30.9	83.7	31.5	89.2	32.2	94.7	32.9	103.0	33.9	113.2	35.2
	21240	77.9	32.8	82.9	33.6	88.2	34.4	93.5	35.2	101.4	36.6	111.0	38.1
5120	15840	90.6	36.8	97.0	37.6	103.5	38.4	110.0	39.2	119.8	40.3	131.9	41.8
	19800	90.6	37.9	96.6	38.7	102.9	39.6	109.3	40.5	118.9	41.7	130.6	43.4
	23760	89.9	40.3	95.7	41.3	101.8	42.4	107.9	43.4	117.0	45.1	128.1	47.1
5135	18160	108.5	39.8	116.2	40.6	123.9	41.5	131.8	42.3	143.5	43.6	157.9	45.2
	22700	108.5	41.0	115.7	41.8	123.3	42.8	130.9	43.7	142.4	45.1	156.5	46.8
	27240	107.7	43.6	114.7	44.6	122.0	45.8	129.3	46.9	140.2	48.7	153.4	50.9
5140	18800	113.6	41.9	121.7	42.9	129.8	43.7	138.0	44.7	150.2	46.0	165.4	47.8
	23500	113.6	43.2	121.1	44.2	129.1	45.1	137.1	46.2	149.1	47.7	163.8	49.5
	28200	112.8	46.0	120.0	47.1	127.7	48.4	135.4	49.6	146.7	51.5	160.6	53.9
5150	19920	121.0	44.7	129.6	45.7	138.1	46.7	146.9	47.6	159.9	49.1	176.1	50.9
	24900	120.9	46.1	128.9	47.1	137.4	48.1	146.0	49.2	158.7	50.8	174.4	52.8
	29880	120.1	49.1	127.8	50.3	135.9	51.6	144.1	52.9	156.2	55.0	171.0	57.5
5170	22880	139.6	48.1	149.5	49.2	159.5	50.2	169.5	51.3	184.6	52.8	203.2	54.8
	28600	139.6	49.6	148.8	50.7	158.6	51.8	168.5	53.0	183.2	54.7	201.3	56.8
	34320	138.6	52.8	147.5	54.1	156.9	55.6	166.3	56.9	180.3	59.1	197.4	61.8
6200	25520	160.2	61.0	171.6	62.3	183.0	63.5	194.5	64.8	211.8	66.7	233.2	69.1
	31900	160.1	62.8	170.7	64.1	182.0	65.5	193.3	66.9	210.2	69.0	230.9	71.6
	38250 (*)	159.0	66.7	169.2	68.3	180.0	70.0	190.8	71.7	206.9	74.4	226.5	77.6
6230	28800	178.4	72.7	191.1	74.3	203.8	75.8	216.6	77.4	235.8	79.7	259.7	82.7
	35500	178.3	74.9	190.1	76.5	202.7	78.2	215.3	79.9	234.1	82.5	257.2	85.7
	39500 (*)	177.6	77.1	189.3	78.8	201.9	80.5	214.4	82.3	233.2	85.0	256.2	88.3
7260	30400	178.4	79.3	191.1	80.9	203.8	82.5	216.6	84.1	235.8	86.4	259.7	89.4
	36000	178.3	81.6	190.1	83.2	202.7	84.9	215.3	86.6	234.1	89.2	257.2	92.4
	43500	177.1	86.4	188.5	88.3	200.5	90.5	212.5	92.6	230.4	95.9	252.2	99.9
7260	32000	218.4	79.3	233.9	80.9	249.5	82.5	265.2	84.1	288.7	86.4	317.9	89.4
	39000	218.3	81.6	232.8	83.2	248.1	84.9	263.6	86.6	286.6	89.2	314.9	92.4
	48000	216.8	86.4	230.8	88.3	245.5	90.5	260.2	92.6	282.1	95.9	308.8	99.9
7300	36000	235.0	85.3	251.7	87.0	268.3	88.7	285.3	90.4	310.6	93.0	342.0	96.2
	42500	234.9	87.7	250.4	89.5	266.9	91.3	283.5	93.2	308.3	96.0	338.7	99.5
	48000 (*)	233.3	93.0	248.2	95.1	264.1	97.4	279.9	99.7	303.4	103.3	332.1	107.6

Heating power at an internal temperature 20ºC. Total absorbed power in compressors, axial fans and internal fan motors. Minimun flow 20% less than the nominal one.

(*) Maximum flow 20% more than the nominal one except of model 6200 in which the maximum flow is up to 35,000 m3/h (without stopdrop) and up to 38250 m3/h with stopdrop, and model 6230, in which it is 36,000 m3/h (without stopdrop) and 39,500 m3/h with stopdrop. In model 7300 it is 45,000m3/h without stopdrop and 48,000 m3/h with it.

DATA CORRECTION FORMULAS

Heating Power: P. cal = P. cal (TI = 20ºC) x A

Absorbed Power: P. abs = P. abs (TI = 20ºC) x B

TI (ºC)	A	B
10	1.057	0.822
12	1.046	0.858
14	1.035	0.895
16	1.024	0.931
18	1.012	0.968
20	1.000	1.000
22	0.990	1.040
24	0.979	1.077
26	0.968	1.113
28	0.956	1.150

Example:

Calculate the heating power and the absorbed power by a KCR-3070 unit at internal conditions 18ºC, nominal flow and external conditions 6ºC BH.

From the table, we get for 20ºC of internal temperature,

Pcal = 73.4 kW y Pabs = 23.8 kW

Using the correction coefficients for 18ºC of internal temperature

Pcal = 1.012 x 73.4 (kW) = 74.3 (kW)

Pabs = 0.968 x 23.8 (kW) = 23.0 (kW)

Units Conversion Table				
Power	1	(kW)	3412.142	(btu/hr)
Power	1000	(btu/hr)	0.293	(kW)
Air Flow	1	(m3/h)	0.589	(cfm)
Air Flow	1	(cfm)	1.699	(m3/h)
Hidraulic Flow	1	(m3/h)	4.392	(cfm)
Hidraulic Flow	1	(cfm)	227.712	(m3/h)
Flow	1	(m3/h)	0.278	(l/s)
Flow	1	(l/s)	3.6	(m3/h)
Pressure	1	(psi)	6894.76	(Pa)
Pressure	1	(bar)	14.503	(psi)

NOISE LEVEL CORRECTION FORMULA

Noise power levels are determined by measurements made according to standard ISO 3744.
The noise pressure at 10m is the average value in free field on a horizontal plane, at 10 m distance from the longest unit side and at 1,6 m high from the unit support base with a 2db tolerance.
Noise levels are refered to full load standard unit conditions.

	Standard		SSB (return motor)		SSF (recovery)	
L db(A)	Power	10m pressure	Power	10 m pressure	Power	10m pressure
KCR-0017	77	49	78	50	79	51
KCR-0020	78	50	79	51	80	52
KCR-0022	78	50	79	51	80	52
KCR-0026	80	52	81	53	82	54
KCR-0030	83	55	84	56	85	57
KCR-0035	85	57	86	58	87	59
KCR-0039	88	60	89	61	90	62
KCR-0041	90	62	91	63	92	64
KCR-1039	85	57	86	58	87	59
KCR-1041	84	56	85	57	86	58
KCR-1044	86	58	87	59	88	60
KCR-1045	85	57	86	58	87	59
KCR-2050	85	57	86	58	87	59
KCR-2060	85	57	86	58	87	59
KCR-3070	86	58	87	59	88	60
KCR-3080	85	57	86	58	87	59
KCR-4090	86	58	87	59	88	60
KCR-4095	86	58	87	59	88	60
KCR-4100	88	60	89	61	90	62
KCR-5120	89	61	90	62	91	63
KCR-5135	90	62	91	63	92	64
KCR-5140	90	62	91	63	92	64
KCR-5150	89	61	90	62	91	63
KCR-5170	89	61	90	62	91	63
KCR-6200	92	64	93	65	94	66
KCR-6230	93	65	94	66	95	67
KCR-7230	93	65	94	66	95	67
KCR-7260	96	68	97	69	98	70
KCR-7300	97	69	98	70	99	71

To calculate noise pressure level at a different from 10 m distance D (m), this formula should be used:

$$LpD\ (db(A)) = Lp10\ (db(A)) + 20 \times Log\ (\ 10 / D\ )$$

Lp(1m) = Lp10 + 20 (db(A))
Lp(3m) = Lp10 + 10 (db(A))
Lp(5m) = Lp10 + 6 (db(A))
Lp(20m) = Lp10 – 6(db(A))

POWER TABLE. ACTIVE RECOVERY HEAT PUMP UNIT. COOLING

			KCR 0017														
			23ºC/50%					27ºC/50%					31ºC/50%				
External Temp. 25ºC		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	23.6	25.0	26.7	27.8	28.6	25.3	26.6	27.3	28.1	28.6	26.8	27.7	28.2	28.2	28.4
		P Sens (kW)	18.3	19.1	20.0	20.7	21.8	18.3	19.4	20.0	20.8	21.8	18.5	19.4	20.1	20.7	21.6
		P Abs (kW)	5.9	5.7	5.7	5.7	5.7	6.1	5.9	5.9	5.9	5.9	6.3	6.1	6.0	6.0	6.0
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	27.1	29.0	30.7	31.9	-	28.4	29.8	30.9	31.6	-	30.4	30.5	31.1	31.2
		P Sens (kW)	-	20.5	21.4	22.4	23.6	-	20.6	21.5	22.4	23.5	-	21.1	21.6	22.3	23.3
		P Abs (kW)	-	7.6	7.4	7.3	7.3	-	8.0	7.6	7.5	7.4	-	7.9	7.8	7.7	7.6
External Temp. 30ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	23.4	24.8	26.4	27.5	28.4	25.0	26.3	27.1	27.8	28.4	26.5	27.4	27.9	28.0	-
		P Sens (kW)	18.0	18.8	19.6	20.3	21.4	18.0	19.0	19.7	20.4	21.4	18.2	19.1	19.7	20.3	-
		P Abs (kW)	6.5	6.3	6.3	6.3	6.3	6.7	6.5	6.4	6.4	6.4	6.9	6.7	6.6	6.6	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	26.8	28.8	30.4	31.6	-	28.2	29.5	30.6	31.3	-	30.1	30.2	30.9	-
		P Sens (kW)	-	20.1	21.0	22.0	23.1	-	20.2	21.2	22.0	23.1	-	20.7	21.2	21.9	-
		P Abs (kW)	-	8.4	8.1	8.0	8.0	-	8.7	8.4	8.3	8.2	-	8.6	8.6	8.5	-
External Temp. 35ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	22.9	24.3	25.8	26.9	27.7	24.5	25.7	26.5	27.2	27.7	25.9	26.8	27.3	27.3	27.5
		P Sens (kW)	17.1	17.9	18.7	19.4	20.4	17.2	18.1	18.8	19.5	20.4	17.3	18.2	18.9	19.4	20.3
		P Abs (kW)	7.1	6.8	6.8	6.8	6.8	7.4	7.1	7.0	7.0	7.0	7.5	7.3	7.2	7.2	7.2
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	26.2	28.1	29.7	30.9	-	27.5	28.9	29.9	30.6	-	29.5	29.6	30.2	30.2
		P Sens (kW)	-	19.2	20.1	21.1	22.2	-	19.3	20.2	21.0	22.1	-	19.8	20.3	21.0	21.9
		P Abs (kW)	-	9.1	8.9	8.8	8.7	-	9.5	9.1	9.0	8.9	-	9.4	9.4	9.3	9.1
External Temp. 40ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	22.1	23.4	25.0	26.0	26.8	23.7	24.9	25.6	26.3	26.8	25.1	25.9	26.4	26.4	-
		P Sens (kW)	16.9	17.7	18.5	19.2	20.2	16.9	17.9	18.5	19.3	20.2	17.1	18.0	18.6	19.1	-
		P Abs (kW)	7.7	7.5	7.5	7.5	7.5	8.0	7.7	7.6	7.6	7.6	8.2	8.0	7.8	7.8	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	25.4	27.2	28.7	29.9	-	26.6	27.9	28.9	29.6	-	28.5	28.6	29.2	-
		P Sens (kW)	-	19.0	19.8	20.7	21.8	-	19.0	19.9	20.7	21.8	-	19.5	20.0	20.7	-
		P Abs (kW)	-	10.0	9.7	9.5	9.5	-	10.4	10.0	9.8	9.7	-	10.3	10.2	10.1	-
External Temp. 45ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	21.2	22.4	23.9	24.9	25.6	22.7	23.8	24.5	25.1	25.6	24.0	24.8	25.2	25.3	25.5
		P Sens (kW)	15.4	16.1	16.8	17.4	18.3	15.4	16.3	16.9	17.5	18.3	15.6	16.3	16.9	17.4	18.2
		P Abs (kW)	8.4	8.1	8.1	8.1	8.1	8.7	8.4	8.3	8.3	8.3	8.9	8.6	8.5	8.5	8.5
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	24.3	26.0	27.5	28.6	-	25.5	26.7	27.7	28.3	-	27.3	27.4	27.9	28.0
		P Sens (kW)	-	17.2	18.0	18.9	19.8	-	17.3	18.1	18.8	19.8	-	17.7	18.2	18.8	19.6
		P Abs (kW)	-	10.8	10.5	10.4	10.3	-	11.3	10.8	10.7	10.6	-	11.1	11.1	10.9	10.8
External Temp. 48ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	20.8	24.5	28.1	31.7	33.6	22.2	24.7	26.7	29.0	29.8	23.5	27.1	29.7	32.3	-
		P Sens (kW)	16.1	18.1	19.6	22.1	24.0	16.3	17.4	17.9	19.5	20.0	16.6	18.5	19.7	22.0	-
		P Abs (kW)	8.9	8.6	8.6	8.6	8.6	9.2	9.2	9.2	9.3	9.3	9.4	9.1	9.0	9.1	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	24.7	29.4	33.3	36.8	-	27.2	30.2	32.4	34.4	-	27.8	30.9	33.8	-
		P Sens (kW)	-	17.9	19.6	21.5	24.2	-	18.7	19.7	20.6	21.9	-	18.3	19.6	21.3	-
		P Abs (kW)	-	11.9	11.2	10.9	10.9	-	11.9	11.6	11.4	11.5	-	12.3	11.9	11.5	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR 0020														
			23°C/50%					27°C/50%					31°C/50%				
External Temp. 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	27.9	29.5	31.5	32.7	33.8	29.8	31.3	32.3	33.1	33.8	31.6	32.7	33.2	33.3	33.5
		P Sens (kW)	21.6	22.5	23.6	24.4	25.7	21.6	22.8	23.6	24.6	25.7	21.9	22.9	23.7	24.4	25.5
		P Abs (kW)	6.2	6.0	6.0	6.0	6.0	6.4	6.2	6.1	6.1	6.1	6.6	6.4	6.3	6.3	6.3
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	31.9	34.3	36.2	37.6	-	33.5	35.2	36.4	37.3	-	35.9	36.0	36.7	36.8
		P Sens (kW)	-	24.2	25.2	26.5	27.8	-	24.2	25.4	26.4	27.7	-	24.9	25.5	26.3	27.4
		P Abs (kW)	-	8.0	7.8	7.7	7.6	-	8.3	8.0	7.9	7.8	-	8.2	8.2	8.1	8.0
External Temp. 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	27.6	29.2	31.2	32.4	33.5	29.5	31.0	31.9	32.8	33.5	31.3	32.4	32.9	33.0	-
		P Sens (kW)	21.2	22.1	23.1	24.0	25.3	21.2	22.4	23.2	24.1	25.3	21.5	22.5	23.3	23.9	-
		P Abs (kW)	6.8	6.6	6.6	6.6	6.6	7.1	6.8	6.7	6.7	6.7	7.2	7.0	6.9	6.9	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	31.6	33.9	35.9	37.3	-	33.2	34.8	36.1	36.9	-	35.6	35.7	36.4	-
		P Sens (kW)	-	23.8	24.8	26.0	27.3	-	23.8	25.0	25.9	27.2	-	24.4	25.0	25.9	-
		P Abs (kW)	-	8.8	8.5	8.4	8.3	-	9.2	8.8	8.7	8.6	-	9.0	9.0	8.9	-
External Temp. 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	27.0	28.6	30.5	31.7	32.7	28.9	30.4	31.2	32.1	32.7	30.6	31.7	32.2	32.2	32.5
		P Sens (kW)	20.2	21.1	22.1	22.9	24.1	20.2	21.4	22.1	23.0	24.1	20.4	21.5	22.3	22.9	24.0
		P Abs (kW)	7.4	7.2	7.2	7.2	7.2	7.7	7.4	7.3	7.3	7.3	7.9	7.6	7.5	7.5	7.5
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	31.0	33.2	35.1	36.5	-	32.5	34.1	35.3	36.1	-	34.8	34.9	35.6	35.7
		P Sens (kW)	-	22.7	23.7	24.8	26.1	-	22.7	23.8	24.8	26.1	-	23.3	23.9	24.8	25.8
		P Abs (kW)	-	9.6	9.3	9.2	9.1	-	10.0	9.6	9.5	9.3	-	9.9	9.8	9.7	9.6
External Temp. 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	26.1	27.7	29.5	30.7	31.6	27.9	29.4	30.2	31.0	31.6	29.6	30.6	31.1	31.2	-
		P Sens (kW)	20.0	20.8	21.8	22.6	23.8	20.0	21.1	21.9	22.7	23.8	20.2	21.2	21.9	22.5	-
		P Abs (kW)	8.1	7.8	7.8	7.8	7.8	8.4	8.1	8.0	8.0	8.0	8.6	8.3	8.2	8.2	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	29.9	32.1	33.9	35.3	-	31.4	32.9	34.1	34.9	-	33.6	33.7	34.4	-
		P Sens (kW)	-	22.4	23.3	24.5	25.7	-	22.4	23.5	24.4	25.7	-	23.0	23.6	24.4	-
		P Abs (kW)	-	10.4	10.1	10.0	9.9	-	10.9	10.4	10.3	10.2	-	10.8	10.7	10.6	-
External Temp. 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	25.0	26.5	28.2	29.3	30.3	26.7	28.1	28.9	29.7	30.3	28.3	29.3	29.8	29.8	30.0
		P Sens (kW)	18.2	18.9	19.8	20.6	21.6	18.2	19.2	19.9	20.7	21.6	18.4	19.3	19.9	20.5	21.5
		P Abs (kW)	8.8	8.5	8.5	8.5	8.5	9.1	8.8	8.7	8.7	8.7	9.3	9.0	8.9	8.9	8.9
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	28.6	30.7	32.4	33.7	-	30.0	31.5	32.6	33.4	-	32.2	32.3	32.9	33.0
		P Sens (kW)	-	20.3	21.2	22.3	23.4	-	20.4	21.4	22.2	23.3	-	20.9	21.4	22.2	23.1
		P Abs (kW)	-	11.3	11.0	10.8	10.8	-	11.8	11.3	11.2	11.1	-	11.7	11.6	11.5	11.3
External Temp. 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	24.5	28.9	33.1	37.4	39.7	26.2	29.2	31.4	34.2	35.1	27.7	31.9	35.0	38.1	-
		P Sens (kW)	19.0	21.4	23.1	26.0	28.3	19.2	20.5	21.1	22.9	23.6	19.5	21.8	23.2	25.9	-
		P Abs (kW)	9.3	9.0	9.0	9.0	9.0	9.7	9.7	9.7	9.7	9.7	9.9	9.6	9.4	9.5	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	29.2	34.7	39.3	43.4	-	32.1	35.6	38.2	40.5	-	32.8	36.5	39.9	-
		P Sens (kW)	-	21.1	23.1	25.4	28.5	-	22.1	23.2	24.2	25.9	-	21.6	23.2	25.2	-
		P Abs (kW)	-	12.5	11.8	11.4	11.4	-	12.5	12.2	11.9	12.1	-	12.8	12.5	12.0	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR 0022														
			23°C/50%					27°C/50%					31°C/50%				
External Temp. 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	29.1	30.9	32.9	34.2	35.3	31.2	32.8	33.7	34.6	35.3	33.0	34.1	34.7	34.8	35.0
		P Sens (kW)	22.6	23.5	24.6	25.5	26.9	22.6	23.9	24.7	25.7	26.9	22.8	23.9	24.8	25.5	26.7
		P Abs (kW)	6.7	6.5	6.5	6.5	6.5	7.0	6.7	6.7	6.7	6.7	7.2	7.0	6.9	6.9	6.9
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	33.4	35.8	37.8	39.3	-	35.0	36.7	38.1	39.0	-	37.5	37.6	38.4	38.5
		P Sens (kW)	-	25.3	26.4	27.6	29.1	-	25.3	26.6	27.6	29.0	-	26.0	26.6	27.5	28.7
		P Abs (kW)	-	8.7	8.5	8.4	8.3	-	9.1	8.7	8.6	8.5	-	9.0	8.9	8.8	8.7
External Temp. 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	28.9	30.6	32.6	33.9	35.0	30.9	32.4	33.4	34.3	35.0	32.7	33.8	34.4	34.5	-
		P Sens (kW)	22.2	23.1	24.2	25.1	26.4	22.2	23.4	24.3	25.2	26.4	22.4	23.5	24.3	25.0	-
		P Abs (kW)	7.4	7.2	7.2	7.2	7.2	7.7	7.4	7.3	7.3	7.3	7.9	7.6	7.5	7.5	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	33.1	35.5	37.5	39.0	-	34.7	36.4	37.7	38.6	-	37.2	37.3	38.0	-
		P Sens (kW)	-	24.8	25.9	27.1	28.5	-	24.9	26.1	27.1	28.5	-	25.5	26.1	27.0	-
		P Abs (kW)	-	9.6	9.3	9.2	9.1	-	10.0	9.6	9.5	9.3	-	9.9	9.8	9.7	-
External Temp. 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	28.2	29.9	31.9	33.1	34.2	30.2	31.7	32.7	33.5	34.2	32.0	33.1	33.6	33.7	33.9
		P Sens (kW)	21.1	22.1	23.1	23.9	25.2	21.1	22.3	23.1	24.0	25.2	21.4	22.4	23.3	23.9	25.1
		P Abs (kW)	8.1	7.8	7.8	7.8	7.8	8.4	8.1	8.0	8.0	8.0	8.6	8.3	8.2	8.2	8.2
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	32.3	34.7	36.6	38.1	-	33.9	35.6	36.9	37.8	-	36.3	36.5	37.2	37.3
		P Sens (kW)	-	23.7	24.7	26.0	27.3	-	23.8	24.9	25.9	27.2	-	24.4	25.0	25.9	27.0
		P Abs (kW)	-	10.5	10.1	10.0	9.9	-	10.9	10.5	10.3	10.2	-	10.8	10.7	10.6	10.5
External Temp. 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	27.3	28.9	30.8	32.0	33.0	29.2	30.7	31.6	32.4	33.0	30.9	32.0	32.5	32.6	-
		P Sens (kW)	20.9	21.8	22.8	23.6	24.9	20.9	22.1	22.8	23.7	24.9	21.1	22.1	22.9	23.6	-
		P Abs (kW)	8.8	8.5	8.5	8.5	8.5	9.2	8.8	8.7	8.7	8.7	9.4	9.1	8.9	8.9	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	31.3	33.5	35.4	36.8	-	32.8	34.4	35.7	36.5	-	35.1	35.2	36.0	-
		P Sens (kW)	-	23.4	24.4	25.6	26.9	-	23.4	24.6	25.5	26.8	-	24.0	24.6	25.5	-
		P Abs (kW)	-	11.4	11.0	10.9	10.8	-	11.9	11.4	11.3	11.1	-	11.7	11.7	11.5	-
External Temp. 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	26.1	27.6	29.5	30.7	31.6	27.9	29.3	30.2	31.0	31.6	29.6	30.6	31.1	31.2	31.4
		P Sens (kW)	19.0	19.8	20.7	21.5	22.6	19.0	20.1	20.8	21.6	22.6	19.2	20.1	20.8	21.4	22.4
		P Abs (kW)	9.6	9.3	9.3	9.3	9.3	9.9	9.6	9.5	9.5	9.5	10.2	9.9	9.7	9.7	9.7
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	29.9	32.1	33.9	35.2	-	31.4	32.9	34.1	34.9	-	33.6	33.7	34.4	34.5
		P Sens (kW)	-	21.3	22.2	23.3	24.4	-	21.3	22.3	23.2	24.4	-	21.9	22.4	23.1	24.1
		P Abs (kW)	-	12.4	12.0	11.8	11.8	-	12.9	12.4	12.2	12.1	-	12.7	12.7	12.5	12.4
External Temp. 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	25.6	30.2	34.6	39.1	41.5	27.4	30.5	32.9	35.7	36.7	29.0	33.4	36.6	39.8	-
		P Sens (kW)	19.8	22.3	24.2	27.2	29.6	20.1	21.5	22.1	24.0	24.7	20.4	22.8	24.2	27.1	-
		P Abs (kW)	10.1	9.8	9.8	9.9	9.9	10.5	10.5	10.5	10.6	10.6	10.8	10.5	10.3	10.4	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	30.5	36.2	41.1	45.3	-	33.5	37.2	39.9	42.4	-	34.2	38.1	41.7	-
		P Sens (kW)	-	22.0	24.2	26.5	29.8	-	23.1	24.3	25.3	27.0	-	22.6	24.2	26.3	-
		P Abs (kW)	-	13.6	12.9	12.4	12.5	-	13.6	13.3	13.0	13.1	-	14.0	13.6	13.1	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR 0026														
			23°C/50%					27°C/50%					31°C/50%				
External Temp. 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	31.8	33.7	35.9	37.4	38.6	34.1	35.8	36.8	37.8	38.6	36.1	37.3	37.9	38.0	38.3
		P Sens (kW)	24.7	25.7	26.9	27.9	29.4	24.7	26.1	27.0	28.0	29.4	25.0	26.1	27.1	27.8	29.2
		P Abs (kW)	7.6	7.4	7.4	7.4	7.4	7.9	7.6	7.6	7.6	7.6	8.1	7.9	7.8	7.8	7.8
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	36.5	39.1	41.3	43.0	-	38.3	40.2	41.6	42.6	-	41.0	41.1	42.0	42.0
		P Sens (kW)	-	27.6	28.8	30.2	31.8	-	27.7	29.0	30.1	31.7	-	28.4	29.1	30.1	31.3
		P Abs (kW)	-	9.9	9.6	9.4	9.4	-	10.3	9.9	9.7	9.6	-	10.2	10.1	10.0	9.9
External Temp. 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	31.5	33.4	35.6	37.0	38.2	33.7	35.5	36.5	37.4	38.2	35.7	37.0	37.6	37.6	-
		P Sens (kW)	24.2	25.3	26.4	27.4	28.8	24.2	25.6	26.5	27.5	28.8	24.5	25.7	26.6	27.3	-
		P Abs (kW)	8.4	8.1	8.1	8.1	8.1	8.7	8.4	8.3	8.3	8.3	8.9	8.6	8.5	8.5	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	36.1	38.7	40.9	42.6	-	37.9	39.8	41.2	42.2	-	40.6	40.7	41.6	-
		P Sens (kW)	-	27.1	28.3	29.7	31.2	-	27.2	28.5	29.6	31.1	-	27.9	28.6	29.5	-
		P Abs (kW)	-	10.8	10.5	10.4	10.3	-	11.3	10.8	10.7	10.6	-	11.2	11.1	11.0	-
External Temp. 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	30.9	32.7	34.8	36.2	37.4	33.0	34.7	35.7	36.6	37.4	34.9	36.2	36.8	36.8	37.1
		P Sens (kW)	23.0	24.1	25.2	26.2	27.5	23.1	24.4	25.3	26.3	27.5	23.3	24.5	25.4	26.1	27.4
		P Abs (kW)	9.1	8.8	8.8	8.8	8.8	9.5	9.1	9.1	9.1	9.1	9.7	9.4	9.3	9.3	9.3
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	35.3	37.9	40.0	41.7	-	37.1	38.9	40.3	41.3	-	39.7	39.8	40.6	40.7
		P Sens (kW)	-	25.9	27.0	28.4	29.8	-	26.0	27.2	28.3	29.8	-	26.7	27.3	28.3	29.5
		P Abs (kW)	-	11.8	11.5	11.3	11.2	-	12.3	11.8	11.7	11.5	-	12.2	12.1	12.0	11.8
External Temp. 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	29.8	31.6	33.6	35.0	36.1	31.9	33.5	34.5	35.4	36.1	33.8	34.9	35.5	35.6	-
		P Sens (kW)	22.8	23.8	24.9	25.8	27.2	22.8	24.1	25.0	25.9	27.2	23.1	24.2	25.0	25.7	-
		P Abs (kW)	10.0	9.6	9.6	9.6	9.6	10.4	10.0	9.9	9.9	9.9	10.6	10.3	10.1	10.1	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	34.2	36.6	38.7	40.3	-	35.9	37.6	39.0	39.9	-	38.4	38.5	39.3	-
		P Sens (kW)	-	25.5	26.7	27.9	29.4	-	25.6	26.8	27.9	29.3	-	26.3	26.9	27.8	-
		P Abs (kW)	-	12.9	12.5	12.3	12.3	-	13.4	12.9	12.7	12.6	-	13.3	13.2	13.0	-
External Temp. 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	28.5	30.2	32.2	33.5	34.5	30.5	32.1	33.0	33.9	34.5	32.3	33.4	34.0	34.1	34.3
		P Sens (kW)	20.8	21.6	22.6	23.5	24.7	20.8	21.9	22.7	23.6	24.7	21.0	22.0	22.8	23.4	24.5
		P Abs (kW)	10.8	10.5	10.5	10.5	10.5	11.2	10.8	10.7	10.7	10.7	11.5	11.2	11.0	11.0	11.0
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	32.7	35.0	37.0	38.5	-	34.3	36.0	37.3	38.1	-	36.7	36.8	37.6	37.6
		P Sens (kW)	-	23.2	24.2	25.4	26.7	-	23.3	24.4	25.4	26.6	-	23.9	24.5	25.3	26.4
		P Abs (kW)	-	14.0	13.6	13.4	13.3	-	14.6	14.0	13.8	13.6	-	14.4	14.3	14.2	14.0
External Temp. 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	28.0	32.9	37.8	42.7	45.3	29.9	33.3	35.9	39.0	40.1	31.7	36.5	39.9	43.5	-
		P Sens (kW)	21.7	24.4	26.4	29.7	32.3	21.9	23.4	24.1	26.2	27.0	22.3	24.9	26.5	29.6	-
		P Abs (kW)	11.5	11.1	11.1	11.2	11.2	11.9	11.9	11.9	12.0	12.0	12.2	11.8	11.6	11.7	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	33.3	39.6	44.9	49.5	-	36.6	40.7	43.6	46.3	-	37.4	41.6	45.5	-
		P Sens (kW)	-	24.1	26.4	29.0	32.6	-	25.2	26.5	27.7	29.5	-	24.7	26.4	28.7	-
		P Abs (kW)	-	15.4	14.5	14.0	14.1	-	15.4	15.0	14.7	14.9	-	15.8	15.4	14.9	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR 0030														
			23°C/50%					27°C/50%					31°C/50%				
External Temp. 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	39.7	42.0	44.8	46.6	48.0	42.4	44.6	45.9	47.1	48.0	44.9	46.5	47.3	47.4	47.7
		P Sens (kW)	30.7	32.0	33.5	34.8	36.6	30.7	32.5	33.6	34.9	36.6	31.1	32.6	33.7	34.7	36.3
		P Abs (kW)	8.6	8.3	8.3	8.3	8.3	8.9	8.6	8.5	8.5	8.5	9.1	8.9	8.7	8.7	8.7
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	45.5	48.7	51.5	53.6	-	47.7	50.0	51.8	53.0	-	51.1	51.2	52.3	52.4
		P Sens (kW)	-	34.4	35.9	37.6	39.6	-	34.5	36.2	37.5	39.5	-	35.4	36.2	37.5	39.0
		P Abs (kW)	-	11.1	10.8	10.6	10.6	-	11.6	11.1	11.0	10.8	-	11.5	11.4	11.3	11.1
External Temp. 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	39.3	41.6	44.3	46.1	47.6	42.0	44.2	45.5	46.6	47.6	44.5	46.0	46.8	46.9	-
		P Sens (kW)	30.2	31.5	32.9	34.1	35.9	30.2	31.9	33.0	34.3	35.9	30.5	32.0	33.1	34.0	-
		P Abs (kW)	9.4	9.1	9.1	9.1	9.1	9.8	9.4	9.4	9.4	9.4	10.0	9.7	9.6	9.6	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	45.0	48.3	51.0	53.1	-	47.2	49.6	51.3	52.5	-	50.6	50.7	51.8	-
		P Sens (kW)	-	33.8	35.2	37.0	38.8	-	33.9	35.5	36.9	38.8	-	34.7	35.6	36.8	-
		P Abs (kW)	-	12.2	11.8	11.7	11.6	-	12.7	12.2	12.0	11.9	-	12.6	12.5	12.3	-
External Temp. 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	38.4	40.7	43.4	45.1	46.5	41.1	43.2	44.5	45.6	46.5	43.5	45.0	45.8	45.9	46.2
		P Sens (kW)	28.7	30.0	31.4	32.6	34.3	28.8	30.4	31.5	32.7	34.3	29.1	30.6	31.7	32.5	34.1
		P Abs (kW)	10.3	10.0	10.0	10.0	10.0	10.7	10.3	10.2	10.2	10.2	10.9	10.6	10.5	10.5	10.5
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	44.0	47.2	49.9	51.9	-	46.2	48.5	50.2	51.4	-	49.5	49.6	50.6	50.7
		P Sens (kW)	-	32.3	33.7	35.3	37.2	-	32.3	33.9	35.3	37.1	-	33.2	34.0	35.3	36.7
		P Abs (kW)	-	13.3	12.9	12.7	12.7	-	13.9	13.3	13.2	13.0	-	13.7	13.6	13.5	13.3
External Temp. 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	37.2	39.3	41.9	43.6	45.0	39.7	41.8	43.0	44.1	45.0	42.1	43.5	44.3	44.3	-
		P Sens (kW)	28.4	29.6	31.0	32.2	33.8	28.4	30.1	31.1	32.3	33.8	28.8	30.1	31.2	32.1	-
		P Abs (kW)	11.2	10.9	10.9	10.9	10.9	11.7	11.2	11.1	11.1	11.1	11.9	11.6	11.4	11.4	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	42.6	45.6	48.2	50.2	-	44.7	46.8	48.5	49.7	-	47.8	48.0	48.9	-
		P Sens (kW)	-	31.8	33.2	34.8	36.6	-	31.9	33.4	34.7	36.5	-	32.7	33.5	34.7	-
		P Abs (kW)	-	14.5	14.1	13.9	13.8	-	15.1	14.5	14.3	14.2	-	15.0	14.9	14.7	-
External Temp. 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	35.5	37.6	40.1	41.7	43.0	38.0	40.0	41.1	42.2	43.0	40.3	41.7	42.3	42.4	42.7
		P Sens (kW)	25.9	27.0	28.2	29.2	30.8	25.9	27.3	28.3	29.4	30.8	26.2	27.4	28.4	29.2	30.6
		P Abs (kW)	12.2	11.8	11.8	11.8	11.8	12.7	12.2	12.1	12.1	12.1	12.9	12.6	12.4	12.4	12.4
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	40.7	43.7	46.1	48.0	-	42.7	44.8	46.4	47.5	-	45.7	45.9	46.8	46.9
		P Sens (kW)	-	28.9	30.2	31.7	33.3	-	29.0	30.4	31.6	33.2	-	29.7	30.5	31.5	32.8
		P Abs (kW)	-	15.7	15.3	15.1	15.0	-	16.4	15.7	15.6	15.4	-	16.2	16.1	15.9	15.7
External Temp. 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	34.9	41.0	47.1	53.2	56.4	37.3	41.5	44.7	48.6	49.9	39.5	45.4	49.8	54.1	-
		P Sens (kW)	27.0	30.4	32.9	37.0	40.2	27.3	29.2	30.1	32.6	33.6	27.8	31.0	33.0	36.9	-
		P Abs (kW)	12.9	12.5	12.5	12.6	12.6	13.4	13.4	13.4	13.5	13.5	13.7	13.3	13.1	13.2	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	41.5	49.3	55.9	61.7	-	45.6	50.6	54.3	57.7	-	46.6	51.9	56.7	-
		P Sens (kW)	-	30.0	32.9	36.1	40.6	-	31.4	33.0	34.5	36.8	-	30.7	32.9	35.8	-
		P Abs (kW)	-	17.3	16.4	15.8	15.9	-	17.4	16.9	16.5	16.7	-	17.8	17.3	16.7	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR 0035														
			23°C/50%					27°C/50%					31°C/50%				
External Temp. 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	41.7	44.1	47.0	48.9	50.5	44.6	46.9	48.2	49.5	50.5	47.2	48.8	49.7	49.8	50.1
		P Sens (kW)	32.3	33.7	35.2	36.5	38.4	32.3	34.1	35.3	36.7	38.4	32.7	34.2	35.4	36.4	38.2
		P Abs (kW)	9.9	9.5	9.5	9.5	9.5	10.3	9.9	9.8	9.8	9.8	10.5	10.2	10.0	10.0	10.0
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	47.8	51.2	54.1	56.3	-	50.1	52.6	54.5	55.7	-	53.6	53.8	54.9	55.0
		P Sens (kW)	-	36.2	37.7	39.5	41.6	-	36.2	38.0	39.5	41.5	-	37.2	38.1	39.4	41.0
		P Abs (kW)	-	12.8	12.4	12.2	12.1	-	13.3	12.8	12.6	12.4	-	13.1	13.1	12.9	12.8
External Temp. 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	41.3	43.7	46.6	48.5	50.0	44.2	46.4	47.8	49.0	50.0	46.8	48.4	49.2	49.3	-
		P Sens (kW)	31.7	33.1	34.6	35.9	37.8	31.7	33.5	34.7	36.0	37.8	32.1	33.6	34.8	35.8	-
		P Abs (kW)	10.8	10.5	10.5	10.5	10.5	11.2	10.8	10.7	10.7	10.7	11.5	11.2	11.0	11.0	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	47.3	50.7	53.6	55.7	-	49.6	52.1	54.0	55.2	-	53.1	53.3	54.4	-
		P Sens (kW)	-	35.5	37.0	38.8	40.8	-	35.6	37.3	38.7	40.7	-	36.5	37.4	38.7	-
		P Abs (kW)	-	14.0	13.6	13.4	13.3	-	14.6	14.0	13.8	13.7	-	14.4	14.3	14.2	-
External Temp. 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	40.4	42.8	45.6	47.4	48.9	43.2	45.4	46.7	47.9	48.9	45.7	47.3	48.1	48.2	48.6
		P Sens (kW)	30.1	31.6	33.0	34.2	36.0	30.2	32.0	33.1	34.4	36.0	30.6	32.1	33.3	34.2	35.8
		P Abs (kW)	11.8	11.4	11.4	11.4	11.4	12.3	11.8	11.7	11.7	11.7	12.6	12.2	12.0	12.0	12.0
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	46.3	49.6	52.4	54.5	-	48.6	50.9	52.8	54.0	-	52.0	52.2	53.2	53.3
		P Sens (kW)	-	33.9	35.4	37.1	39.1	-	34.0	35.6	37.1	39.0	-	34.9	35.8	37.1	38.6
		P Abs (kW)	-	15.3	14.8	14.6	14.5	-	15.9	15.3	15.1	14.9	-	15.7	15.6	15.5	15.3
External Temp. 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	39.0	41.3	44.0	45.8	47.3	41.8	43.9	45.2	46.3	47.3	44.2	45.7	46.5	46.6	-
		P Sens (kW)	29.9	31.2	32.6	33.8	35.6	29.9	31.6	32.7	34.0	35.6	30.2	31.7	32.8	33.7	-
		P Abs (kW)	12.9	12.5	12.5	12.5	12.5	13.4	12.9	12.8	12.8	12.8	13.7	13.3	13.1	13.1	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	44.7	48.0	50.7	52.7	-	46.9	49.2	51.0	52.2	-	50.2	50.4	51.4	-
		P Sens (kW)	-	33.4	34.9	36.6	38.5	-	33.5	35.1	36.5	38.4	-	34.4	35.2	36.4	-
		P Abs (kW)	-	16.7	16.1	15.9	15.8	-	17.4	16.7	16.4	16.2	-	17.2	17.1	16.9	-
External Temp. 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	37.4	39.5	42.1	43.8	45.2	39.9	42.0	43.2	44.3	45.2	42.3	43.8	44.5	44.6	44.9
		P Sens (kW)	27.2	28.3	29.6	30.7	32.3	27.2	28.7	29.7	30.9	32.3	27.5	28.8	29.8	30.6	32.1
		P Abs (kW)	14.0	13.5	13.5	13.5	13.5	14.5	14.0	13.9	13.9	13.9	14.9	14.4	14.2	14.2	14.2
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	42.8	45.9	48.5	50.4	-	44.9	47.1	48.8	49.9	-	48.1	48.2	49.2	49.3
		P Sens (kW)	-	30.4	31.7	33.3	35.0	-	30.5	32.0	33.2	34.9	-	31.3	32.0	33.1	34.5
		P Abs (kW)	-	18.1	17.5	17.3	17.2	-	18.8	18.1	17.8	17.6	-	18.6	18.5	18.3	18.1
External Temp. 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	36.6	43.1	49.5	56.0	59.3	39.2	43.6	47.0	51.1	52.5	41.5	47.7	52.3	56.9	-
		P Sens (kW)	28.3	32.0	34.6	38.9	42.3	28.7	30.7	31.6	34.3	35.3	29.2	32.6	34.7	38.8	-
		P Abs (kW)	14.8	14.3	14.3	14.4	14.4	15.4	15.4	15.4	15.5	15.5	15.7	15.3	15.0	15.1	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	43.6	51.8	58.7	64.8	-	47.9	53.2	57.1	60.6	-	49.0	54.5	59.6	-
		P Sens (kW)	-	31.5	34.6	37.9	42.6	-	33.0	34.7	36.2	38.6	-	32.3	34.6	37.6	-
		P Abs (kW)	-	19.9	18.8	18.2	18.2	-	19.9	19.4	19.0	19.2	-	20.5	19.9	19.2	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR 0039														
			23°C/50%					27°C/50%					31°C/50%				
External Temp. 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	45.4	48.0	51.2	53.2	54.9	48.5	51.0	52.5	53.8	54.9	51.4	53.1	54.0	54.1	54.5
		P Sens (kW)	35.1	36.6	38.3	39.7	41.8	35.1	37.1	38.4	39.9	41.8	35.5	37.2	38.5	39.6	41.5
		P Abs (kW)	10.9	10.6	10.6	10.6	10.6	11.4	10.9	10.8	10.8	10.8	11.6	11.3	11.1	11.1	11.1
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	52.0	55.7	58.9	61.2	-	54.5	57.2	59.3	60.6	-	58.4	58.6	59.7	59.8
		P Sens (kW)	-	39.3	41.0	43.0	45.2	-	39.4	41.3	42.9	45.1	-	40.4	41.4	42.8	44.6
		P Abs (kW)	-	14.1	13.7	13.5	13.4	-	14.7	14.1	14.0	13.8	-	14.6	14.5	14.3	14.1
External Temp. 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	44.9	47.6	50.7	52.7	54.4	48.1	50.5	52.0	53.3	54.4	50.9	52.6	53.5	53.6	-
		P Sens (kW)	34.5	36.0	37.6	39.0	41.1	34.5	36.5	37.7	39.2	41.1	34.9	36.6	37.8	38.9	-
		P Abs (kW)	12.0	11.6	11.6	11.6	11.6	12.5	12.0	11.9	11.9	11.9	12.7	12.4	12.2	12.2	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	51.5	55.2	58.3	60.7	-	54.0	56.6	58.7	60.1	-	57.8	58.0	59.2	-
		P Sens (kW)	-	38.6	40.3	42.3	44.4	-	38.7	40.6	42.2	44.3	-	39.7	40.7	42.1	-
		P Abs (kW)	-	15.5	15.0	14.8	14.7	-	16.2	15.5	15.3	15.1	-	16.0	15.9	15.7	-
External Temp. 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	43.9	46.5	49.6	51.6	53.2	47.0	49.4	50.8	52.2	53.2	49.8	51.5	52.3	52.4	52.8
		P Sens (kW)	32.8	34.3	35.9	37.3	39.2	32.9	34.8	36.0	37.4	39.2	33.2	34.9	36.2	37.2	39.0
		P Abs (kW)	13.1	12.7	12.7	12.7	12.7	13.6	13.1	13.0	13.0	13.0	13.9	13.5	13.3	13.3	13.3
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	50.3	54.0	57.0	59.3	-	52.8	55.4	57.4	58.8	-	56.6	56.7	57.9	58.0
		P Sens (kW)	-	36.9	38.5	40.4	42.5	-	37.0	38.8	40.3	42.4	-	38.0	38.9	40.3	42.0
		P Abs (kW)	-	16.9	16.4	16.2	16.1	-	17.6	16.9	16.7	16.5	-	17.4	17.3	17.1	16.9
External Temp. 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	42.5	45.0	47.9	49.9	51.4	45.4	47.7	49.1	50.4	51.4	48.1	49.8	50.6	50.7	-
		P Sens (kW)	32.5	33.9	35.5	36.8	38.7	32.5	34.4	35.6	36.9	38.7	32.9	34.4	35.6	36.7	-
		P Abs (kW)	14.3	13.8	13.8	13.8	13.8	14.8	14.3	14.1	14.1	14.1	15.2	14.7	14.5	14.5	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	48.7	52.2	55.1	57.3	-	51.1	53.6	55.5	56.8	-	54.7	54.8	56.0	-
		P Sens (kW)	-	36.4	38.0	39.8	41.8	-	36.5	38.2	39.7	41.7	-	37.4	38.3	39.6	-
		P Abs (kW)	-	18.4	17.9	17.7	17.5	-	19.2	18.4	18.2	18.0	-	19.0	18.9	18.7	-
External Temp. 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	40.6	43.0	45.8	47.7	49.2	43.5	45.7	47.0	48.2	49.2	46.0	47.6	48.4	48.5	48.9
		P Sens (kW)	29.6	30.8	32.2	33.4	35.2	29.6	31.2	32.3	33.6	35.2	29.9	31.3	32.4	33.3	34.9
		P Abs (kW)	15.5	15.0	15.0	15.0	15.0	16.1	15.5	15.3	15.3	15.3	16.4	16.0	15.7	15.7	15.7
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	46.6	49.9	52.7	54.9	-	48.9	51.2	53.1	54.3	-	52.3	52.5	53.5	53.6
		P Sens (kW)	-	33.1	34.5	36.2	38.0	-	33.2	34.8	36.1	38.0	-	34.0	34.8	36.0	37.5
		P Abs (kW)	-	20.0	19.4	19.2	19.0	-	20.9	20.0	19.8	19.5	-	20.6	20.5	20.3	20.0
External Temp. 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	39.8	46.9	53.9	60.9	64.5	42.6	47.4	51.1	55.6	57.1	45.1	51.9	56.9	61.9	-
		P Sens (kW)	30.8	34.8	37.6	42.3	46.0	31.2	33.4	34.4	37.3	38.4	31.8	35.4	37.7	42.2	-
		P Abs (kW)	16.4	15.9	15.9	16.0	16.0	17.0	17.1	17.1	17.2	17.2	17.4	16.9	16.7	16.8	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	47.4	56.4	63.9	70.5	-	52.1	57.9	62.1	65.9	-	53.3	59.3	64.9	-
		P Sens (kW)	-	34.3	37.6	41.2	46.4	-	35.9	37.7	39.4	42.0	-	35.1	37.7	40.9	-
		P Abs (kW)	-	22.0	20.8	20.1	20.2	-	22.0	21.5	21.0	21.3	-	22.7	22.0	21.3	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR 0044														
			23°C/50%					27°C/50%					31°C/50%				
External Temp. 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	50.3	53.2	56.7	59.0	60.9	53.8	56.5	58.1	59.7	60.9	56.9	58.9	59.9	60.0	60.4
		P Sens (kW)	39.0	40.6	42.5	44.0	46.4	39.0	41.2	42.6	44.3	46.4	39.4	41.3	42.7	43.9	46.0
		P Abs (kW)	12.4	12.1	12.1	12.1	12.1	12.9	12.4	12.4	12.4	12.4	13.2	12.8	12.6	12.6	12.6
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	57.6	61.8	65.2	67.9	-	60.4	63.4	65.7	67.2	-	64.7	64.9	66.2	66.3
		P Sens (kW)	-	43.6	45.5	47.7	50.1	-	43.7	45.8	47.6	50.0	-	44.8	45.9	47.5	49.5
		P Abs (kW)	-	16.1	15.6	15.4	15.3	-	16.8	16.1	15.9	15.7	-	16.6	16.5	16.3	16.1
External Temp. 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	49.8	52.7	56.2	58.5	60.3	53.3	56.0	57.6	59.1	60.3	56.4	58.4	59.3	59.4	-
		P Sens (kW)	38.3	39.9	41.7	43.3	45.5	38.3	40.4	41.8	43.5	45.5	38.7	40.5	41.9	43.1	-
		P Abs (kW)	13.7	13.2	13.2	13.2	13.2	14.2	13.7	13.6	13.6	13.6	14.5	14.1	13.9	13.9	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	57.1	61.2	64.6	67.2	-	59.9	62.8	65.1	66.6	-	64.1	64.3	65.6	-
		P Sens (kW)	-	42.8	44.7	46.8	49.2	-	42.9	45.0	46.7	49.1	-	44.0	45.1	46.6	-
		P Abs (kW)	-	17.7	17.1	16.9	16.8	-	18.4	17.7	17.5	17.2	-	18.2	18.1	17.9	-
External Temp. 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	48.7	51.6	55.0	57.2	59.0	52.1	54.7	56.3	57.8	59.0	55.2	57.1	58.0	58.1	58.6
		P Sens (kW)	36.3	38.1	39.8	41.3	43.4	36.5	38.5	39.9	41.5	43.4	36.9	38.7	40.1	41.2	43.2
		P Abs (kW)	14.9	14.4	14.4	14.4	14.4	15.5	14.9	14.8	14.8	14.8	15.9	15.4	15.1	15.1	15.1
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	55.8	59.8	63.2	65.8	-	58.6	61.4	63.6	65.1	-	62.7	62.9	64.2	64.3
		P Sens (kW)	-	40.9	42.7	44.8	47.1	-	41.0	43.0	44.7	47.0	-	42.1	43.1	44.7	46.5
		P Abs (kW)	-	19.3	18.7	18.5	18.3	-	20.1	19.3	19.0	18.8	-	19.9	19.8	19.5	19.3
External Temp. 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	47.1	49.8	53.1	55.3	57.0	50.4	52.9	54.5	55.9	57.0	53.3	55.2	56.1	56.2	-
		P Sens (kW)	36.0	37.6	39.3	40.7	42.9	36.0	38.1	39.4	40.9	42.9	36.4	38.2	39.5	40.6	-
		P Abs (kW)	16.3	15.7	15.7	15.7	15.7	16.9	16.3	16.1	16.1	16.1	17.3	16.8	16.5	16.5	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	53.9	57.8	61.1	63.6	-	56.6	59.4	61.5	62.9	-	60.6	60.8	62.0	-
		P Sens (kW)	-	40.3	42.1	44.1	46.4	-	40.4	42.4	44.0	46.3	-	41.5	42.5	43.9	-
		P Abs (kW)	-	21.0	20.4	20.1	20.0	-	21.9	21.0	20.8	20.5	-	21.7	21.5	21.3	-
External Temp. 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	45.0	47.7	50.8	52.9	54.5	48.2	50.6	52.1	53.5	54.5	51.0	52.8	53.7	53.8	54.2
		P Sens (kW)	32.8	34.2	35.7	37.0	39.0	32.8	34.6	35.8	37.2	39.0	33.1	34.7	35.9	37.0	38.7
		P Abs (kW)	17.6	17.1	17.1	17.1	17.1	18.3	17.6	17.5	17.5	17.5	18.8	18.2	17.9	17.9	17.9
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	51.6	55.3	58.5	60.8	-	54.2	56.8	58.9	60.2	-	58.0	58.2	59.3	59.4
		P Sens (kW)	-	36.7	38.3	40.1	42.2	-	36.8	38.5	40.0	42.1	-	37.7	38.6	39.9	41.6
		P Abs (kW)	-	22.8	22.1	21.8	21.7	-	23.8	22.8	22.5	22.3	-	23.5	23.4	23.1	22.8
External Temp. 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	44.2	52.0	59.7	67.5	71.5	47.2	52.6	56.7	61.6	63.3	50.0	57.6	63.1	68.6	-
		P Sens (kW)	34.2	38.5	41.7	46.9	51.0	34.6	37.0	38.1	41.4	42.6	35.2	39.3	41.8	46.7	-
		P Abs (kW)	18.7	18.1	18.1	18.2	18.2	19.4	19.4	19.4	19.6	19.6	19.9	19.3	19.0	19.1	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	52.6	62.5	70.8	78.2	-	57.8	64.2	68.8	73.1	-	59.1	65.7	71.9	-
		P Sens (kW)	-	38.0	41.7	45.7	51.4	-	39.8	41.8	43.7	46.6	-	38.9	41.8	45.3	-
		P Abs (kW)	-	25.1	23.7	22.9	23.0	-	25.1	24.5	24.0	24.3	-	25.8	25.1	24.2	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR 1039														
			23ºC/50%					27ºC/50%					31ºC/50%				
External Temp 25ºC		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	48.5	51.4	54.8	57.0	58.8	51.9	54.6	56.1	57.6	58.8	55.0	56.9	57.8	57.9	58.4
		P Sens (kW)	37.6	39.2	41.0	42.5	44.8	37.6	39.7	41.1	42.7	44.8	38.0	39.8	41.2	42.4	44.4
		P Abs (kW)	10.5	10.2	10.2	10.2	10.2	10.9	10.5	10.4	10.4	10.4	11.2	10.9	10.7	10.7	10.7
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	55.6	59.6	63.0	65.5	-	58.4	61.2	63.4	64.9	-	62.5	62.7	63.9	64.0
		P Sens (kW)	-	42.1	43.9	46.0	48.4	-	42.2	44.2	45.9	48.3	-	43.3	44.3	45.8	47.8
		P Abs (kW)	-	13.6	13.2	13.0	12.9	-	14.2	13.6	13.4	13.3	-	14.0	13.9	13.8	13.6
External Temp 30ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	48.1	50.9	54.2	56.4	58.2	51.4	54.0	55.6	57.1	58.2	54.5	56.3	57.3	57.4	-
		P Sens (kW)	36.9	38.5	40.3	41.8	44.0	36.9	39.0	40.4	42.0	44.0	37.3	39.1	40.5	41.7	-
		P Abs (kW)	11.5	11.2	11.2	11.2	11.2	12.0	11.5	11.5	11.5	11.5	12.3	11.9	11.7	11.7	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	55.1	59.1	62.4	64.9	-	57.8	60.6	62.8	64.3	-	61.9	62.1	63.3	-
		P Sens (kW)	-	41.3	43.1	45.2	47.5	-	41.4	43.4	45.1	47.4	-	42.5	43.5	45.0	-
		P Abs (kW)	-	14.9	14.5	14.3	14.2	-	15.6	14.9	14.8	14.6	-	15.4	15.3	15.1	-
External Temp 35ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	47.0	49.8	53.1	55.2	56.9	50.3	52.9	54.4	55.8	56.9	53.3	55.1	56.0	56.1	56.5
		P Sens (kW)	35.1	36.7	38.4	39.9	41.9	35.2	37.2	38.5	40.0	41.9	35.6	37.4	38.7	39.8	41.7
		P Abs (kW)	12.6	12.2	12.2	12.2	12.2	13.1	12.6	12.5	12.5	12.5	13.4	13.0	12.8	12.8	12.8
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	53.9	57.8	61.0	63.5	-	56.5	59.3	61.4	62.9	-	60.5	60.7	62.0	62.1
		P Sens (kW)	-	39.5	41.2	43.2	45.5	-	39.6	41.5	43.2	45.4	-	40.6	41.6	43.1	44.9
		P Abs (kW)	-	16.3	15.8	15.6	15.5	-	17.0	16.3	16.1	15.9	-	16.8	16.7	16.5	16.3
External Temp 40ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	45.5	48.1	51.3	53.4	55.0	48.6	51.1	52.6	54.0	55.0	51.5	53.3	54.2	54.3	-
		P Sens (kW)	34.8	36.3	38.0	39.3	41.4	34.8	36.8	38.1	39.5	41.4	35.2	36.9	38.2	39.2	-
		P Abs (kW)	13.7	13.3	13.3	13.3	13.3	14.3	13.7	13.6	13.6	13.6	14.6	14.2	14.0	14.0	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	52.1	55.8	59.0	61.4	-	54.6	57.3	59.4	60.8	-	58.5	58.7	59.9	-
		P Sens (kW)	-	38.9	40.6	42.6	44.8	-	39.0	40.9	42.5	44.7	-	40.0	41.0	42.4	-
		P Abs (kW)	-	17.8	17.2	17.0	16.9	-	18.5	17.8	17.6	17.3	-	18.3	18.2	18.0	-
External Temp 45ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	43.5	46.0	49.1	51.1	52.7	46.5	48.9	50.3	51.6	52.7	49.3	51.0	51.8	51.9	52.3
		P Sens (kW)	31.6	33.0	34.5	35.8	37.7	31.6	33.4	34.6	35.9	37.7	32.0	33.5	34.7	35.7	37.4
		P Abs (kW)	14.9	14.4	14.4	14.4	14.4	15.5	14.9	14.8	14.8	14.8	15.8	15.4	15.1	15.1	15.1
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	49.8	53.4	56.4	58.7	-	52.3	54.8	56.8	58.1	-	56.0	56.2	57.3	57.4
		P Sens (kW)	-	35.4	36.9	38.7	40.7	-	35.5	37.2	38.6	40.6	-	36.4	37.3	38.6	40.2
		P Abs (kW)	-	19.3	18.7	18.5	18.3	-	20.1	19.3	19.0	18.8	-	19.9	19.8	19.5	19.3
External Temp 48ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	42.6	50.2	57.7	65.1	69.1	45.6	50.8	54.7	59.5	61.1	48.3	55.6	60.9	66.2	-
		P Sens (kW)	33.0	37.2	40.3	45.3	49.2	33.4	35.7	36.8	39.9	41.1	34.0	37.9	40.4	45.1	-
		P Abs (kW)	15.8	15.3	15.3	15.4	15.4	16.4	16.4	16.4	16.5	16.5	16.8	16.3	16.0	16.1	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	50.8	60.4	68.4	75.5	-	55.8	62.0	66.5	70.6	-	57.0	63.5	69.4	-
		P Sens (kW)	-	36.7	40.3	44.1	49.6	-	38.4	40.4	42.2	45.0	-	37.6	40.3	43.8	-
		P Abs (kW)	-	21.2	20.0	19.4	19.5	-	21.2	20.7	20.3	20.5	-	21.8	21.2	20.5	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR 1041														
			23°C/50%					27°C/50%					31°C/50%				
External Temp 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	49.8	52.7	56.2	58.5	60.3	53.3	56.0	57.6	59.1	60.3	56.4	58.3	59.3	59.4	59.9
		P Sens (kW)	38.6	40.2	42.1	43.6	45.9	38.6	40.8	42.2	43.8	45.9	39.0	40.9	42.3	43.5	45.6
		P Abs (kW)	11.6	11.3	11.3	11.3	11.3	12.1	11.6	11.6	11.6	11.6	12.4	12.0	11.8	11.8	11.8
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	57.0	61.2	64.6	67.2	-	59.9	62.8	65.1	66.6	-	64.1	64.3	65.6	65.7
		P Sens (kW)	-	43.2	45.0	47.2	49.6	-	43.3	45.4	47.1	49.5	-	44.4	45.5	47.0	49.0
		P Abs (kW)	-	15.1	14.6	14.4	14.3	-	15.7	15.1	14.9	14.7	-	15.5	15.4	15.3	15.1
T External Temp 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	49.3	52.2	55.6	57.9	59.7	52.8	55.4	57.0	58.5	59.7	55.9	57.8	58.8	58.9	-
		P Sens (kW)	37.9	39.5	41.3	42.8	45.1	37.9	40.0	41.4	43.1	45.1	38.3	40.1	41.5	42.7	-
		P Abs (kW)	12.8	12.4	12.4	12.4	12.4	13.3	12.8	12.7	12.7	12.7	13.6	13.2	13.0	13.0	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	56.5	60.6	64.0	66.6	-	59.3	62.2	64.4	65.9	-	63.5	63.7	65.0	-
		P Sens (kW)	-	42.4	44.2	46.4	48.8	-	42.5	44.6	46.3	48.6	-	43.6	44.7	46.2	-
		P Abs (kW)	-	16.5	16.0	15.8	15.7	-	17.2	16.5	16.3	16.1	-	17.0	16.9	16.7	-
External Temp 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	48.2	51.1	54.4	56.6	58.4	51.6	54.2	55.8	57.3	58.4	54.6	56.5	57.5	57.6	58.0
		P Sens (kW)	36.0	37.7	39.4	40.9	43.0	36.1	38.2	39.5	41.1	43.0	36.5	38.4	39.7	40.8	42.8
		P Abs (kW)	13.9	13.5	13.5	13.5	13.5	14.5	13.9	13.8	13.8	13.8	14.8	14.4	14.2	14.2	14.2
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	55.3	59.3	62.6	65.1	-	58.0	60.8	63.0	64.5	-	62.1	62.3	63.6	63.7
		P Sens (kW)	-	40.5	42.2	44.4	46.7	-	40.6	42.6	44.3	46.5	-	41.7	42.7	44.3	46.1
		P Abs (kW)	-	18.0	17.5	17.3	17.2	-	18.8	18.0	17.8	17.6	-	18.6	18.5	18.3	18.0
External Temp 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	46.6	49.4	52.6	54.7	56.5	49.9	52.4	53.9	55.4	56.5	52.8	54.6	55.6	55.7	-
		P Sens (kW)	35.7	37.2	38.9	40.4	42.5	35.7	37.7	39.0	40.6	42.5	36.1	37.8	39.1	40.3	-
		P Abs (kW)	15.2	14.7	14.7	14.7	14.7	15.8	15.2	15.1	15.1	15.1	16.2	15.7	15.4	15.4	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	53.4	57.3	60.5	63.0	-	56.1	58.8	60.9	62.3	-	60.0	60.2	61.4	-
		P Sens (kW)	-	39.9	41.7	43.7	45.9	-	40.0	42.0	43.6	45.8	-	41.1	42.1	43.5	-
		P Abs (kW)	-	19.7	19.1	18.8	18.7	-	20.5	19.7	19.4	19.2	-	20.3	20.2	19.9	-
External Temp 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	44.6	47.2	50.3	52.4	54.0	47.7	50.1	51.6	53.0	54.0	50.5	52.3	53.1	53.2	53.6
		P Sens (kW)	32.5	33.8	35.4	36.7	38.6	32.5	34.3	35.5	36.9	38.6	32.8	34.4	35.6	36.6	38.4
		P Abs (kW)	16.5	16.0	16.0	16.0	16.0	17.2	16.5	16.4	16.4	16.4	17.5	17.0	16.8	16.8	16.8
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	51.1	54.8	57.9	60.2	-	53.6	56.3	58.3	59.6	-	57.4	57.6	58.8	58.9
		P Sens (kW)	-	36.3	37.9	39.7	41.8	-	36.4	38.2	39.6	41.7	-	37.3	38.3	39.6	41.2
		P Abs (kW)	-	21.3	20.7	20.4	20.3	-	22.3	21.3	21.1	20.8	-	22.0	21.9	21.6	21.3
External Temp 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	43.7	51.5	59.2	66.8	70.8	46.8	52.1	56.1	61.0	62.7	49.5	57.0	62.5	67.9	-
		P Sens (kW)	33.9	38.2	41.3	46.5	50.5	34.3	36.7	37.8	41.0	42.2	34.9	38.9	41.4	46.3	-
		P Abs (kW)	17.5	16.9	16.9	17.0	17.0	18.2	18.2	18.2	18.3	18.3	18.6	18.0	17.8	17.9	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	52.1	61.9	70.2	77.4	-	57.2	63.6	68.2	72.4	-	58.5	65.1	71.2	-
		P Sens (kW)	-	37.7	41.3	45.3	50.9	-	39.4	41.4	43.3	46.2	-	38.6	41.4	44.9	-
		P Abs (kW)	-	23.5	22.2	21.4	21.5	-	23.5	22.9	22.4	22.7	-	24.2	23.4	22.7	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR 1044														
			23°C/50%					27°C/50%					31°C/50%				
External Temp 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	56.0	59.3	63.1	65.7	67.8	59.9	62.9	64.7	66.4	67.8	63.4	65.6	66.7	66.8	67.3
		P Sens (kW)	43.4	45.2	47.3	49.0	51.6	43.4	45.8	47.4	49.3	51.6	43.9	46.0	47.6	48.9	51.2
		P Abs (kW)	13.3	12.8	12.8	12.8	12.8	13.8	13.3	13.1	13.1	13.1	14.1	13.7	13.5	13.5	13.5
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	64.1	68.7	72.6	75.6	-	67.3	70.6	73.1	74.8	-	72.0	72.3	73.7	73.9
		P Sens (kW)	-	48.5	50.6	53.1	55.8	-	48.7	51.0	53.0	55.7	-	49.9	51.1	52.8	55.1
		P Abs (kW)	-	17.1	16.6	16.4	16.3	-	17.9	17.1	16.9	16.7	-	17.7	17.6	17.4	17.1
External Temp 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	55.4	58.7	62.6	65.1	67.1	59.3	62.3	64.1	65.8	67.1	62.8	65.0	66.0	66.2	-
		P Sens (kW)	42.6	44.4	46.5	48.1	50.7	42.6	45.0	46.6	48.4	50.7	43.1	45.1	46.7	48.0	-
		P Abs (kW)	14.5	14.1	14.1	14.1	14.1	15.1	14.5	14.4	14.4	14.4	15.5	15.0	14.8	14.8	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	63.5	68.1	72.0	74.8	-	66.7	69.9	72.4	74.1	-	71.4	71.6	73.0	-
		P Sens (kW)	-	47.7	49.7	52.1	54.8	-	47.8	50.1	52.0	54.7	-	49.0	50.2	51.9	-
		P Abs (kW)	-	18.8	18.2	18.0	17.9	-	19.6	18.8	18.6	18.3	-	19.4	19.3	19.0	-
External Temp 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	54.2	57.4	61.2	63.7	65.7	58.0	60.9	62.7	64.4	65.7	61.4	63.5	64.6	64.7	65.2
		P Sens (kW)	40.5	42.4	44.3	46.0	48.4	40.6	42.9	44.4	46.2	48.4	41.0	43.1	44.7	45.9	48.1
		P Abs (kW)	15.9	15.4	15.4	15.4	15.4	16.5	15.9	15.7	15.7	15.7	16.9	16.4	16.1	16.1	16.1
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	62.1	66.6	70.4	73.2	-	65.2	68.4	70.8	72.5	-	69.8	70.0	71.4	71.6
		P Sens (kW)	-	45.5	47.5	49.9	52.5	-	45.6	47.9	49.8	52.3	-	46.8	48.0	49.7	51.8
		P Abs (kW)	-	20.5	19.9	19.6	19.5	-	21.4	20.5	20.3	20.0	-	21.2	21.0	20.8	20.5
External Temp 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	52.4	55.5	59.1	61.5	63.5	56.1	58.9	60.6	62.2	63.5	59.4	61.4	62.4	62.6	-
		P Sens (kW)	40.1	41.8	43.8	45.4	47.8	40.1	42.4	43.9	45.6	47.8	40.6	42.5	44.0	45.2	-
		P Abs (kW)	17.3	16.8	16.8	16.8	16.8	18.0	17.3	17.2	17.2	17.2	18.4	17.9	17.6	17.6	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	60.1	64.4	68.0	70.8	-	63.0	66.1	68.5	70.1	-	67.5	67.7	69.1	-
		P Sens (kW)	-	44.9	46.8	49.1	51.6	-	45.0	47.2	49.0	51.5	-	46.2	47.3	48.9	-
		P Abs (kW)	-	22.4	21.7	21.4	21.3	-	23.3	22.4	22.1	21.8	-	23.1	22.9	22.7	-
External Temp 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	50.1	53.1	56.6	58.9	60.7	53.6	56.4	58.0	59.5	60.7	56.8	58.8	59.7	59.8	60.3
		P Sens (kW)	36.5	38.0	39.8	41.2	43.4	36.5	38.5	39.9	41.5	43.4	36.9	38.7	40.0	41.1	43.1
		P Abs (kW)	18.8	18.2	18.2	18.2	18.2	19.5	18.8	18.6	18.6	18.6	20.0	19.4	19.1	19.1	19.1
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	57.5	61.6	65.1	67.7	-	60.3	63.2	65.5	67.0	-	64.5	64.8	66.1	66.2
		P Sens (kW)	-	40.8	42.6	44.7	46.9	-	40.9	42.9	44.6	46.8	-	42.0	43.0	44.5	46.3
		P Abs (kW)	-	24.3	23.5	23.2	23.1	-	25.3	24.3	24.0	23.7	-	25.0	24.9	24.6	24.3
External Temp 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	49.2	57.9	66.5	75.1	79.6	52.6	58.6	63.1	68.6	70.5	55.7	64.1	70.2	76.4	-
		P Sens (kW)	38.1	42.9	46.4	52.3	56.8	38.5	41.2	42.4	46.1	47.4	39.2	43.7	46.6	52.0	-
		P Abs (kW)	19.9	19.3	19.3	19.4	19.4	20.7	20.7	20.7	20.8	20.8	21.2	20.5	20.2	20.3	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	58.6	69.6	78.9	87.0	-	64.3	71.4	76.6	81.4	-	65.8	73.2	80.0	-
		P Sens (kW)	-	42.3	46.4	50.9	57.2	-	44.3	46.6	48.7	51.9	-	43.3	46.5	50.5	-
		P Abs (kW)	-	26.7	25.2	24.4	24.5	-	26.8	26.0	25.5	25.8	-	27.5	26.7	25.8	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR 1045														
			23°C/50%					27°C/50%					31°C/50%				
External Temp 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	55.1	58.3	62.2	64.7	66.7	58.9	61.9	63.7	65.4	66.7	62.4	64.6	65.6	65.8	66.2
		P Sens (kW)	42.7	44.5	46.6	48.3	50.8	42.7	45.1	46.7	48.5	50.8	43.2	45.2	46.8	48.1	50.5
		P Abs (kW)	13.7	13.2	13.2	13.2	13.2	14.2	13.7	13.5	13.5	13.5	14.5	14.1	13.9	13.9	13.9
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	63.1	67.7	71.5	74.4	-	66.2	69.5	72.0	73.7	-	70.9	71.2	72.6	72.7
		P Sens (kW)	-	47.8	49.8	52.3	54.9	-	47.9	50.2	52.2	54.8	-	49.1	50.3	52.0	54.2
		P Abs (kW)	-	17.7	17.1	16.9	16.8	-	18.4	17.7	17.4	17.2	-	18.2	18.1	17.9	17.7
External Temp 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	54.6	57.8	61.6	64.1	66.1	58.4	61.3	63.1	64.8	66.1	61.8	64.0	65.0	65.1	-
		P Sens (kW)	41.9	43.7	45.7	47.4	49.9	41.9	44.3	45.9	47.6	49.9	42.4	44.4	46.0	47.3	-
		P Abs (kW)	15.0	14.5	14.5	14.5	14.5	15.6	15.0	14.9	14.9	14.9	15.9	15.5	15.2	15.2	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	62.5	67.0	70.8	73.7	-	65.6	68.8	71.3	73.0	-	70.2	70.5	71.9	-
		P Sens (kW)	-	46.9	48.9	51.3	54.0	-	47.0	49.3	51.2	53.8	-	48.2	49.4	51.1	-
		P Abs (kW)	-	19.4	18.8	18.5	18.4	-	20.2	19.4	19.1	18.9	-	20.0	19.9	19.6	-
External Temp 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	53.4	56.5	60.2	62.7	64.6	57.1	60.0	61.7	63.4	64.6	60.5	62.6	63.6	63.7	64.2
		P Sens (kW)	39.8	41.7	43.6	45.3	47.6	40.0	42.2	43.7	45.5	47.6	40.4	42.4	44.0	45.2	47.4
		P Abs (kW)	16.4	15.8	15.8	15.8	15.8	17.0	16.4	16.2	16.2	16.2	17.4	16.9	16.6	16.6	16.6
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	61.2	65.6	69.3	72.1	-	64.2	67.3	69.8	71.4	-	68.7	68.9	70.3	70.4
		P Sens (kW)	-	44.8	46.7	49.1	51.6	-	44.9	47.1	49.0	51.5	-	46.1	47.3	49.0	51.0
		P Abs (kW)	-	21.2	20.5	20.2	20.1	-	22.1	21.2	20.9	20.6	-	21.8	21.7	21.4	21.2
External Temp 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	51.6	54.6	58.2	60.6	62.5	55.2	58.0	59.7	61.3	62.5	58.4	60.5	61.5	61.6	-
		P Sens (kW)	39.5	41.2	43.1	44.7	47.0	39.5	41.7	43.2	44.9	47.0	39.9	41.8	43.3	44.5	-
		P Abs (kW)	17.8	17.3	17.3	17.3	17.3	18.5	17.8	17.7	17.7	17.7	19.0	18.4	18.1	18.1	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	59.1	63.4	67.0	69.7	-	62.0	65.1	67.4	69.0	-	66.4	66.6	68.0	-
		P Sens (kW)	-	44.2	46.1	48.4	50.8	-	44.3	46.4	48.2	50.7	-	45.4	46.6	48.1	-
		P Abs (kW)	-	23.1	22.4	22.1	21.9	-	24.1	23.1	22.8	22.5	-	23.8	23.6	23.3	-
External Temp 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	49.4	52.3	55.7	58.0	59.8	52.8	55.5	57.1	58.6	59.8	55.9	57.8	58.8	58.9	59.3
		P Sens (kW)	35.9	37.4	39.2	40.6	42.7	35.9	38.0	39.3	40.8	42.7	36.3	38.1	39.4	40.5	42.4
		P Abs (kW)	19.3	18.7	18.7	18.7	18.7	20.1	19.3	19.2	19.2	19.2	20.6	20.0	19.6	19.6	19.6
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	56.6	60.6	64.1	66.6	-	59.3	62.2	64.5	66.0	-	63.5	63.8	65.0	65.1
		P Sens (kW)	-	40.2	41.9	44.0	46.2	-	40.3	42.2	43.9	46.1	-	41.3	42.3	43.8	45.6
		P Abs (kW)	-	25.0	24.3	23.9	23.8	-	26.1	25.0	24.7	24.4	-	25.8	25.6	25.3	25.0
External Temp 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	48.4	57.0	65.5	74.0	78.4	51.8	57.6	62.1	67.5	69.4	54.8	63.1	69.1	75.2	-
		P Sens (kW)	37.5	42.2	45.7	51.4	55.9	37.9	40.6	41.8	45.3	46.7	38.6	43.1	45.8	51.2	-
		P Abs (kW)	20.5	19.9	19.9	20.0	20.0	21.3	21.3	21.3	21.5	21.5	21.8	21.2	20.8	21.0	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	57.6	68.5	77.6	85.7	-	63.3	70.3	75.4	80.1	-	64.8	72.0	78.8	-
		P Sens (kW)	-	41.7	45.7	50.1	56.3	-	43.6	45.9	47.9	51.1	-	42.7	45.8	49.7	-
		P Abs (kW)	-	27.5	26.0	25.1	25.2	-	27.6	26.8	26.3	26.6	-	28.3	27.5	26.6	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR 2050														
			23°C/50%					27°C/50%					31°C/50%				
External Temp 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	63.5	67.2	71.6	74.5	76.9	67.9	71.4	73.4	75.4	76.9	71.9	74.4	75.6	75.8	76.3
		P Sens (kW)	49.2	51.3	53.7	55.6	58.6	49.2	52.0	53.8	55.9	58.6	49.8	52.1	53.9	55.5	58.1
		P Abs (kW)	13.6	13.1	13.1	13.1	13.1	14.1	13.6	13.5	13.5	13.5	14.4	14.0	13.8	13.8	13.8
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	72.7	78.0	82.4	85.7	-	76.3	80.1	83.0	84.9	-	81.7	82.0	83.6	83.8
		P Sens (kW)	-	55.1	57.4	60.2	63.3	-	55.2	57.9	60.1	63.2	-	56.6	58.0	60.0	62.5
		P Abs (kW)	-	17.6	17.0	16.8	16.7	-	18.3	17.6	17.3	17.1	-	18.1	18.0	17.8	17.6
External Temp 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	62.9	66.6	71.0	73.8	76.2	67.3	70.7	72.7	74.7	76.2	71.2	73.7	74.9	75.1	-
		P Sens (kW)	48.3	50.4	52.7	54.6	57.5	48.3	51.1	52.8	54.9	57.5	48.9	51.2	53.0	54.5	-
		P Abs (kW)	14.9	14.4	14.4	14.4	14.4	15.5	14.9	14.8	14.8	14.8	15.8	15.4	15.1	15.1	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	72.1	77.3	81.6	84.9	-	75.6	79.3	82.2	84.1	-	80.9	81.2	82.9	-
		P Sens (kW)	-	54.1	56.4	59.2	62.2	-	54.2	56.8	59.0	62.0	-	55.6	57.0	58.9	-
		P Abs (kW)	-	19.3	18.7	18.4	18.3	-	20.1	19.3	19.0	18.8	-	19.9	19.7	19.5	-
External Temp 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	61.5	65.1	69.4	72.2	74.5	65.8	69.1	71.1	73.0	74.5	69.7	72.1	73.3	73.4	74.0
		P Sens (kW)	45.9	48.1	50.2	52.2	54.9	46.1	48.7	50.4	52.4	54.9	46.5	48.9	50.7	52.1	54.6
		P Abs (kW)	16.3	15.7	15.7	15.7	15.7	16.9	16.3	16.1	16.1	16.1	17.3	16.8	16.5	16.5	16.5
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	70.5	75.6	79.8	83.1	-	74.0	77.6	80.4	82.3	-	79.2	79.4	81.0	81.2
		P Sens (kW)	-	51.7	53.9	56.6	59.5	-	51.8	54.3	56.5	59.3	-	53.2	54.5	56.4	58.8
		P Abs (kW)	-	21.0	20.4	20.1	20.0	-	21.9	21.0	20.8	20.5	-	21.7	21.5	21.3	21.0
External Temp 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	59.5	63.0	67.1	69.8	72.0	63.6	66.8	68.8	70.6	72.0	67.4	69.7	70.8	71.0	-
		P Sens (kW)	45.5	47.4	49.6	51.5	54.2	45.5	48.1	49.8	51.7	54.2	46.0	48.2	49.9	51.3	-
		P Abs (kW)	17.7	17.2	17.2	17.2	17.2	18.4	17.7	17.6	17.6	17.6	18.8	18.3	18.0	18.0	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	68.1	73.0	77.2	80.3	-	71.5	75.0	77.7	79.5	-	76.5	76.8	78.3	-
		P Sens (kW)	-	50.9	53.1	55.7	58.6	-	51.1	53.5	55.6	58.4	-	52.4	53.7	55.5	-
		P Abs (kW)	-	22.9	22.2	21.9	21.8	-	23.9	22.9	22.6	22.4	-	23.6	23.5	23.2	-
External Temp 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	56.9	60.2	64.2	66.8	68.9	60.8	63.9	65.8	67.5	68.9	64.4	66.7	67.8	67.9	68.4
		P Sens (kW)	41.4	43.1	45.1	46.8	49.3	41.4	43.7	45.3	47.0	49.3	41.9	43.9	45.4	46.7	48.9
		P Abs (kW)	19.2	18.6	18.6	18.6	18.6	20.0	19.2	19.1	19.1	19.1	20.4	19.8	19.5	19.5	19.5
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	65.2	69.9	73.8	76.8	-	68.4	71.7	74.3	76.1	-	73.2	73.5	74.9	75.1
		P Sens (kW)	-	46.3	48.3	50.7	53.3	-	46.4	48.7	50.6	53.1	-	47.6	48.8	50.4	52.6
		P Abs (kW)	-	24.9	24.1	23.8	23.7	-	25.9	24.9	24.6	24.3	-	25.6	25.5	25.2	24.9
External Temp 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	55.8	65.7	75.4	85.2	90.3	59.7	66.4	71.6	77.8	79.9	63.2	72.7	79.6	86.6	-
		P Sens (kW)	43.2	48.7	52.7	59.3	64.4	43.7	46.7	48.1	52.2	53.8	44.5	49.6	52.8	59.0	-
		P Abs (kW)	20.4	19.7	19.7	19.9	19.9	21.2	21.2	21.2	21.3	21.3	21.7	21.0	20.7	20.8	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	66.4	79.0	89.5	98.7	-	73.0	81.1	86.9	92.3	-	74.6	83.0	90.8	-
		P Sens (kW)	-	48.0	52.7	57.7	64.9	-	50.3	52.8	55.2	58.9	-	49.2	52.7	57.3	-
		P Abs (kW)	-	27.3	25.9	25.0	25.1	-	27.4	26.7	26.1	26.5	-	28.2	27.3	26.4	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR 2060														
			23°C/50%					27°C/50%					31°C/50%				
External Temp 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	71.7	75.9	80.9	84.2	86.8	76.7	80.6	82.9	85.1	86.8	81.2	84.0	85.4	85.6	86.2
		P Sens (kW)	55.5	57.9	60.6	62.8	66.1	55.5	58.7	60.8	63.1	66.1	56.2	58.9	60.9	62.7	65.6
		P Abs (kW)	15.9	15.4	15.4	15.4	15.4	16.5	15.9	15.8	15.8	15.8	16.9	16.4	16.2	16.2	16.2
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	82.1	88.1	93.1	96.8	-	86.2	90.4	93.7	95.9	-	92.3	92.6	94.5	94.6
		P Sens (kW)	-	62.2	64.9	68.0	71.5	-	62.3	65.3	67.9	71.3	-	63.9	65.5	67.7	70.5
		P Abs (kW)	-	20.6	19.9	19.7	19.6	-	21.5	20.6	20.3	20.1	-	21.2	21.1	20.8	20.6
External Temp 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	71.0	75.2	80.1	83.4	86.0	76.0	79.8	82.1	84.3	86.0	80.4	83.2	84.6	84.8	-
		P Sens (kW)	54.6	56.9	59.5	61.7	64.9	54.6	57.7	59.7	62.0	64.9	55.2	57.8	59.8	61.5	-
		P Abs (kW)	17.4	16.9	16.9	16.9	16.9	18.1	17.4	17.3	17.3	17.3	18.6	18.0	17.7	17.7	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	81.4	87.2	92.2	95.9	-	85.4	89.5	92.8	95.0	-	91.4	91.7	93.6	-
		P Sens (kW)	-	61.1	63.7	66.8	70.2	-	61.2	64.2	66.6	70.0	-	62.8	64.3	66.5	-
		P Abs (kW)	-	22.6	21.9	21.6	21.5	-	23.5	22.6	22.3	22.0	-	23.3	23.1	22.8	-
External Temp 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	69.5	73.5	78.4	81.5	84.1	74.3	78.1	80.3	82.5	84.1	78.7	81.4	82.8	82.9	83.5
		P Sens (kW)	51.8	54.3	56.7	58.9	61.9	52.0	55.0	56.9	59.2	61.9	52.6	55.2	57.2	58.8	61.7
		P Abs (kW)	19.0	18.4	18.4	18.4	18.4	19.8	19.0	18.9	18.9	18.9	20.3	19.6	19.3	19.3	19.3
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	79.6	85.3	90.2	93.8	-	83.5	87.6	90.8	92.9	-	89.4	89.7	91.5	91.7
		P Sens (kW)	-	58.3	60.8	63.9	67.2	-	58.5	61.3	63.7	67.0	-	60.0	61.5	63.7	66.4
		P Abs (kW)	-	24.6	23.9	23.6	23.4	-	25.7	24.6	24.3	24.0	-	25.4	25.2	24.9	24.6
External Temp 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	67.1	71.1	75.8	78.8	81.3	71.8	75.5	77.7	79.7	81.3	76.1	78.7	80.0	80.1	-
		P Sens (kW)	51.4	53.6	56.1	58.1	61.2	51.4	54.3	56.2	58.4	61.2	52.0	54.5	56.4	58.0	-
		P Abs (kW)	20.8	20.1	20.1	20.1	20.1	21.6	20.8	20.6	20.6	20.6	22.1	21.4	21.1	21.1	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	76.9	82.5	87.1	90.6	-	80.7	84.7	87.7	89.8	-	86.4	86.7	88.5	-
		P Sens (kW)	-	57.5	60.0	62.9	66.1	-	57.7	60.4	62.8	66.0	-	59.1	60.6	62.6	-
		P Abs (kW)	-	26.9	26.0	25.7	25.5	-	28.0	26.9	26.5	26.2	-	27.7	27.5	27.2	-
External Temp 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	64.2	68.0	72.5	75.4	77.8	68.7	72.2	74.3	76.3	77.8	72.8	75.3	76.5	76.7	77.2
		P Sens (kW)	46.7	48.7	51.0	52.8	55.6	46.7	49.4	51.1	53.1	55.6	47.3	49.5	51.2	52.7	55.2
		P Abs (kW)	22.5	21.8	21.8	21.8	21.8	23.4	22.5	22.3	22.3	22.3	24.0	23.2	22.9	22.9	22.9
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	73.6	78.9	83.4	86.7	-	77.2	81.0	83.9	85.9	-	82.7	83.0	84.6	84.8
		P Sens (kW)	-	52.3	54.6	57.2	60.1	-	52.4	55.0	57.1	60.0	-	53.8	55.1	56.9	59.3
		P Abs (kW)	-	29.1	28.2	27.9	27.7	-	30.4	29.1	28.8	28.4	-	30.0	29.9	29.5	29.1
External Temp 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	63.0	74.2	85.2	96.2	102.0	67.4	75.0	80.8	87.9	90.3	71.3	82.1	89.9	97.8	-
		P Sens (kW)	48.8	55.0	59.5	66.9	72.7	49.4	52.8	54.4	59.0	60.7	50.3	56.0	59.6	66.7	-
		P Abs (kW)	23.9	23.1	23.1	23.3	23.3	24.8	24.8	24.8	25.0	25.0	25.4	24.6	24.3	24.4	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	75.0	89.2	101.0	111.5	-	82.4	91.5	98.2	104.2	-	84.3	93.7	102.5	-
		P Sens (kW)	-	54.2	59.5	65.2	73.3	-	56.8	59.7	62.3	66.5	-	55.5	59.5	64.7	-
		P Abs (kW)	-	32.0	30.3	29.3	29.4	-	32.1	31.3	30.6	31.0	-	33.0	32.0	31.0	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR3070														
			23°C/50%					27°C/50%					31°C/50%				
External Temp 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	87.2	92.4	98.4	102.4	105.6	93.3	98.0	100.9	103.5	105.6	98.8	102.2	103.9	104.1	104.9
		P Sens (kW)	67.6	70.5	73.7	76.4	80.5	67.6	71.4	73.9	76.8	80.5	68.4	71.6	74.1	76.2	79.9
		P Abs (kW)	18.7	18.1	18.1	18.1	18.1	19.5	18.7	18.6	18.6	18.6	19.9	19.3	19.0	19.0	19.0
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	99.9	107.1	113.2	117.8	-	104.9	110.0	114.0	116.6	-	112.3	112.6	114.9	115.1
		P Sens (kW)	-	75.7	78.9	82.8	87.0	-	75.8	79.5	82.6	86.8	-	77.8	79.7	82.4	85.8
		P Abs (kW)	-	24.2	23.5	23.2	23.0	-	25.2	24.2	23.9	23.6	-	25.0	24.8	24.5	24.2
External Temp 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	86.4	91.5	97.5	101.4	104.6	92.4	97.1	99.9	102.6	104.6	97.9	101.3	102.9	103.1	-
		P Sens (kW)	66.4	69.2	72.4	75.0	79.0	66.4	70.1	72.6	75.4	79.0	67.1	70.3	72.8	74.9	-
		P Abs (kW)	20.5	19.9	19.9	19.9	19.9	21.3	20.5	20.4	20.4	20.4	21.8	21.2	20.9	20.9	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	99.0	106.1	112.1	116.7	-	103.9	109.0	112.9	115.5	-	111.2	111.6	113.8	-
		P Sens (kW)	-	74.3	77.5	81.3	85.4	-	74.5	78.1	81.1	85.2	-	76.4	78.3	80.9	-
		P Abs (kW)	-	26.6	25.7	25.4	25.3	-	27.7	26.6	26.2	25.9	-	27.4	27.2	26.9	-
External Temp 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	84.5	89.5	95.4	99.2	102.3	90.4	95.0	97.7	100.3	102.3	95.7	99.0	100.7	100.9	101.6
		P Sens (kW)	63.1	66.0	69.0	71.7	75.4	63.3	66.9	69.2	72.0	75.4	63.9	67.2	69.6	71.5	75.0
		P Abs (kW)	22.4	21.7	21.7	21.7	21.7	23.3	22.4	22.2	22.2	22.2	23.8	23.1	22.8	22.8	22.8
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	96.8	103.8	109.7	114.1	-	101.6	106.6	110.4	113.0	-	108.8	109.1	111.3	111.5
		P Sens (kW)	-	71.0	74.0	77.7	81.8	-	71.1	74.6	77.6	81.5	-	73.0	74.8	77.5	80.8
		P Abs (kW)	-	29.0	28.1	27.7	27.6	-	30.2	29.0	28.6	28.3	-	29.9	29.7	29.3	29.0
External Temp 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	81.7	86.5	92.2	95.9	98.9	87.4	91.8	94.5	97.0	98.9	92.5	95.7	97.3	97.5	-
		P Sens (kW)	62.5	65.2	68.2	70.7	74.4	62.5	66.1	68.4	71.1	74.4	63.2	66.3	68.6	70.5	-
		P Abs (kW)	24.4	23.7	23.7	23.7	23.7	25.4	24.4	24.2	24.2	24.2	26.0	25.2	24.8	24.8	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	93.6	100.3	106.0	110.3	-	98.2	103.0	106.7	109.2	-	105.1	105.5	107.6	-
		P Sens (kW)	-	70.0	73.0	76.6	80.5	-	70.2	73.5	76.4	80.3	-	71.9	73.7	76.2	-
		P Abs (kW)	-	31.6	30.6	30.3	30.1	-	33.0	31.6	31.2	30.8	-	32.6	32.4	32.0	-
External Temp 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	78.2	82.7	88.2	91.8	94.6	83.6	87.8	90.4	92.8	94.6	88.5	91.6	93.1	93.3	94.0
		P Sens (kW)	56.9	59.3	62.0	64.3	67.7	56.9	60.1	62.2	64.6	67.7	57.5	60.2	62.3	64.1	67.2
		P Abs (kW)	26.5	25.7	25.7	25.7	25.7	27.6	26.5	26.3	26.3	26.3	28.2	27.3	26.9	26.9	26.9
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	89.5	96.0	101.4	105.5	-	94.0	98.5	102.1	104.5	-	100.6	100.9	103.0	103.1
		P Sens (kW)	-	63.6	66.4	69.6	73.2	-	63.8	66.9	69.5	73.0	-	65.4	67.0	69.3	72.2
		P Abs (kW)	-	34.3	33.2	32.8	32.6	-	35.8	34.3	33.9	33.4	-	35.3	35.1	34.7	34.3
External Temp 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	76.6	90.3	103.6	117.1	124.1	82.0	91.3	98.3	106.9	109.8	86.8	99.9	109.4	119.0	-
		P Sens (kW)	59.3	66.9	72.4	81.5	88.5	60.1	64.2	66.2	71.8	73.9	61.1	68.2	72.6	81.1	-
		P Abs (kW)	28.1	27.2	27.2	27.4	27.4	29.2	29.2	29.2	29.4	29.4	29.9	29.0	28.5	28.7	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	91.3	108.5	122.9	135.7	-	100.3	111.4	119.4	126.8	-	102.5	114.0	124.8	-
		P Sens (kW)	-	66.0	72.3	79.3	89.2	-	69.1	72.6	75.8	80.9	-	67.6	72.4	78.7	-
		P Abs (kW)	-	37.7	35.6	34.5	34.6	-	37.8	36.8	36.0	36.5	-	38.8	37.7	36.4	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR3080														
			23°C/50%					27°C/50%					31°C/50%				
External Temp 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	91.7	97.1	103.4	107.6	111.0	98.1	103.0	106.0	108.8	111.0	103.8	107.4	109.2	109.4	110.2
		P Sens (kW)	71.0	74.1	77.5	80.3	84.5	71.0	75.1	77.7	80.7	84.5	71.8	75.3	77.9	80.1	83.9
		P Abs (kW)	21.3	20.6	20.6	20.6	20.6	22.1	21.3	21.1	21.1	21.1	22.6	22.0	21.6	21.6	21.6
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	105.0	112.6	119.0	123.8	-	110.2	115.6	119.8	122.6	-	118.0	118.4	120.8	121.0
		P Sens (kW)	-	79.5	82.9	87.0	91.4	-	79.7	83.5	86.8	91.2	-	81.7	83.7	86.6	90.2
		P Abs (kW)	-	27.5	26.7	26.4	26.2	-	28.7	27.5	27.2	26.9	-	28.4	28.2	27.9	27.5
External Temp 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	90.8	96.1	102.5	106.6	110.0	97.1	102.1	105.0	107.8	110.0	102.9	106.4	108.2	108.4	-
		P Sens (kW)	69.7	72.7	76.1	78.9	83.0	69.7	73.7	76.3	79.3	83.0	70.5	73.9	76.5	78.7	-
		P Abs (kW)	23.4	22.6	22.6	22.6	22.6	24.3	23.4	23.2	23.2	23.2	24.8	24.1	23.7	23.7	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	104.0	111.5	117.9	122.6	-	109.2	114.5	118.6	121.4	-	116.9	117.3	119.6	-
		P Sens (kW)	-	78.1	81.4	85.4	89.8	-	78.3	82.0	85.2	89.6	-	80.3	82.2	85.0	-
		P Abs (kW)	-	30.2	29.3	28.9	28.7	-	31.5	30.2	29.8	29.5	-	31.1	31.0	30.6	-
External Temp 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	88.8	94.0	100.2	104.3	107.6	95.0	99.8	102.7	105.4	107.6	100.6	104.1	105.8	106.0	106.8
		P Sens (kW)	66.3	69.4	72.5	75.3	79.2	66.5	70.3	72.8	75.6	79.2	67.2	70.6	73.1	75.2	78.8
		P Abs (kW)	25.5	24.7	24.7	24.7	24.7	26.5	25.5	25.3	25.3	25.3	27.1	26.3	25.9	25.9	25.9
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	101.8	109.1	115.3	119.9	-	106.8	112.0	116.0	118.8	-	114.3	114.7	117.0	117.2
		P Sens (kW)	-	74.6	77.8	81.7	85.9	-	74.7	78.4	81.5	85.7	-	76.7	78.6	81.5	84.9
		P Abs (kW)	-	33.0	32.0	31.6	31.4	-	34.4	33.0	32.6	32.2	-	34.0	33.8	33.4	33.0
External Temp 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	85.9	90.9	96.9	100.8	104.0	91.8	96.5	99.3	101.9	104.0	97.2	100.6	102.3	102.5	-
		P Sens (kW)	65.7	68.5	71.7	74.3	78.2	65.7	69.4	71.9	74.7	78.2	66.5	69.6	72.1	74.1	-
		P Abs (kW)	27.8	26.9	26.9	26.9	26.9	28.9	27.8	27.6	27.6	27.6	29.6	28.7	28.2	28.2	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	98.4	105.5	111.4	115.9	-	103.2	108.3	112.2	114.8	-	110.5	110.9	113.1	-
		P Sens (kW)	-	73.5	76.7	80.5	84.6	-	73.7	77.3	80.3	84.4	-	75.6	77.5	80.1	-
		P Abs (kW)	-	36.0	34.8	34.4	34.2	-	37.5	36.0	35.5	35.1	-	37.1	36.8	36.4	-
External Temp 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	82.1	87.0	92.7	96.4	99.5	87.9	92.3	95.0	97.5	99.5	93.0	96.2	97.9	98.0	98.7
		P Sens (kW)	59.7	62.3	65.2	67.6	71.1	59.7	63.1	65.3	67.9	71.1	60.4	63.3	65.5	67.4	70.6
		P Abs (kW)	30.1	29.2	29.2	29.2	29.2	31.3	30.1	29.9	29.9	29.9	32.1	31.1	30.6	30.6	30.6
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	94.1	100.9	106.6	110.9	-	98.7	103.6	107.3	109.8	-	105.7	106.1	108.2	108.4
		P Sens (kW)	-	66.9	69.8	73.2	76.9	-	67.0	70.3	73.0	76.7	-	68.7	70.4	72.8	75.9
		P Abs (kW)	-	39.0	37.8	37.3	37.1	-	40.7	39.0	38.5	38.0	-	40.2	40.0	39.5	39.0
External Temp 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	80.5	94.9	108.9	123.0	130.4	86.1	95.9	103.3	112.4	115.4	91.2	105.0	115.0	125.1	-
		P Sens (kW)	62.3	70.3	76.1	85.6	93.0	63.1	67.5	69.5	75.4	77.7	64.3	71.6	76.3	85.2	-
		P Abs (kW)	32.0	30.9	30.9	31.1	31.1	33.2	33.2	33.2	33.4	33.4	34.0	33.0	32.5	32.7	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	95.9	114.0	129.2	142.6	-	105.4	117.0	125.5	133.3	-	107.7	119.9	131.1	-
		P Sens (kW)	-	69.3	76.0	83.3	93.8	-	72.6	76.3	79.7	85.0	-	71.0	76.1	82.7	-
		P Abs (kW)	-	42.9	40.5	39.2	39.4	-	43.0	41.8	41.0	41.5	-	44.2	42.9	41.4	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR4090														
			23ºC/50%					27ºC/50%					31ºC/50%				
External Temp 25ºC		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	102.8	108.8	116.0	120.6	124.4	109.9	115.5	118.9	122.0	124.4	116.4	120.4	122.4	122.7	123.5
		P Sens (kW)	79.6	83.0	86.9	90.0	94.8	79.6	84.1	87.1	90.5	94.8	80.5	84.4	87.3	89.8	94.1
		P Abs (kW)	25.8	25.0	25.0	25.0	25.0	26.8	25.8	25.6	25.6	25.6	27.4	26.6	26.2	26.2	26.2
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	117.7	126.2	133.4	138.7	-	123.5	129.6	134.3	137.4	-	132.3	132.7	135.4	135.6
		P Sens (kW)	-	89.1	93.0	97.5	102.5	-	89.4	93.6	97.3	102.2	-	91.6	93.9	97.0	101.1
		P Abs (kW)	-	33.4	32.3	31.9	31.7	-	34.8	33.4	32.9	32.5	-	34.4	34.2	33.8	33.4
External Temp 30ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	101.8	107.8	114.9	119.5	123.3	108.9	114.4	117.7	120.8	123.3	115.3	119.3	121.3	121.5	-
		P Sens (kW)	78.2	81.5	85.3	88.4	93.1	78.2	82.6	85.5	88.9	93.1	79.1	82.9	85.7	88.2	-
		P Abs (kW)	28.3	27.4	27.4	27.4	27.4	29.4	28.3	28.1	28.1	28.1	30.1	29.2	28.7	28.7	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	116.6	125.0	132.1	137.4	-	122.4	128.4	133.0	136.1	-	131.0	131.5	134.1	-
		P Sens (kW)	-	87.5	91.3	95.7	100.6	-	87.7	92.0	95.5	100.4	-	90.0	92.2	95.3	-
		P Abs (kW)	-	36.6	35.5	35.0	34.8	-	38.2	36.6	36.1	35.7	-	37.7	37.5	37.0	-
External Temp 35ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	99.6	105.4	112.3	116.9	120.6	106.5	111.9	115.2	118.2	120.6	112.8	116.7	118.6	118.8	119.7
		P Sens (kW)	74.3	77.8	81.3	84.4	88.8	74.6	78.8	81.6	84.8	88.8	75.3	79.2	82.0	84.3	88.4
		P Abs (kW)	30.9	29.9	29.9	29.9	29.9	32.1	30.9	30.6	30.6	30.6	32.8	31.9	31.4	31.4	31.4
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	114.1	122.3	129.2	134.4	-	119.7	125.5	130.1	133.1	-	128.1	128.6	131.2	131.4
		P Sens (kW)	-	83.6	87.2	91.5	96.3	-	83.8	87.9	91.4	96.1	-	86.0	88.1	91.3	95.1
		P Abs (kW)	-	39.9	38.7	38.2	38.0	-	41.7	39.9	39.5	39.0	-	41.2	40.9	40.4	39.9
External Temp 40ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	96.2	101.9	108.6	113.0	116.5	102.9	108.2	111.3	114.2	116.5	109.0	112.8	114.7	114.9	-
		P Sens (kW)	73.7	76.8	80.4	83.3	87.7	73.7	77.8	80.6	83.7	87.7	74.5	78.1	80.8	83.1	-
		P Abs (kW)	33.7	32.6	32.6	32.6	32.6	35.0	33.7	33.4	33.4	33.4	35.8	34.7	34.2	34.2	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	110.3	118.2	124.9	129.9	-	115.7	121.4	125.7	128.7	-	123.9	124.3	126.8	-
		P Sens (kW)	-	82.4	86.0	90.2	94.8	-	82.7	86.6	90.0	94.6	-	84.8	86.8	89.8	-
		P Abs (kW)	-	43.5	42.2	41.7	41.4	-	45.4	43.5	43.0	42.5	-	44.9	44.6	44.1	-
External Temp 45ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	92.1	97.5	103.9	108.1	111.5	98.5	103.5	106.5	109.3	111.5	104.3	107.9	109.7	109.9	110.7
		P Sens (kW)	67.0	69.8	73.1	75.7	79.7	67.0	70.8	73.3	76.1	79.7	67.7	71.0	73.4	75.5	79.2
		P Abs (kW)	36.5	35.4	35.4	35.4	35.4	38.0	36.5	36.2	36.2	36.2	38.8	37.7	37.1	37.1	37.1
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	105.5	113.1	119.5	124.3	-	110.7	116.1	120.3	123.1	-	118.5	118.9	121.3	121.5
		P Sens (kW)	-	75.0	78.2	82.0	86.2	-	75.2	78.8	81.8	86.0	-	77.1	79.0	81.6	85.1
		P Abs (kW)	-	47.2	45.8	45.2	44.9	-	49.3	47.2	46.7	46.1	-	48.7	48.4	47.8	47.2
External Temp 48ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	90.3	106.3	122.1	137.9	146.2	96.6	107.5	115.9	126.0	129.4	102.3	117.7	128.9	140.2	-
		P Sens (kW)	69.9	78.8	85.3	96.0	104.2	70.8	75.7	77.9	84.6	87.1	72.0	80.3	85.5	95.6	-
		P Abs (kW)	38.7	37.5	37.5	37.7	37.7	40.2	40.3	40.3	40.5	40.5	41.2	39.9	39.3	39.6	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	107.5	127.8	144.8	159.8	-	118.1	131.2	140.7	149.4	-	120.8	134.4	147.0	-
		P Sens (kW)	-	77.7	85.2	93.4	105.1	-	81.4	85.5	89.4	95.3	-	79.6	85.3	92.7	-
		P Abs (kW)	-	51.9	49.1	47.5	47.7	-	52.1	50.7	49.6	50.2	-	53.5	51.9	50.2	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR4095														
			23ºC/50%					27ºC/50%					31ºC/50%				
External Temp 25ºC		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	100.6	106.5	113.4	118.0	121.8	107.5	113.0	116.3	119.3	121.8	113.9	117.8	119.8	120.0	120.9
		P Sens (kW)	77.9	81.2	85.0	88.1	92.7	77.9	82.3	85.2	88.5	92.7	78.8	82.6	85.4	87.9	92.1
		P Abs (kW)	25.1	24.3	24.3	24.3	24.3	26.1	25.1	24.9	24.9	24.9	26.6	25.9	25.5	25.5	25.5
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	115.2	123.5	130.5	135.7	-	120.9	126.8	131.4	134.4	-	129.4	129.8	132.5	132.7
		P Sens (kW)	-	87.2	91.0	95.4	100.3	-	87.4	91.6	95.2	100.0	-	89.6	91.8	94.9	98.9
		P Abs (kW)	-	32.4	31.4	31.0	30.8	-	33.8	32.4	32.0	31.6	-	33.4	33.2	32.8	32.4
External Temp 30ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	99.6	105.4	112.4	116.9	120.6	106.5	111.9	115.2	118.2	120.6	112.8	116.7	118.7	118.9	-
		P Sens (kW)	76.5	79.8	83.5	86.5	91.1	76.5	80.9	83.7	86.9	91.1	77.4	81.1	83.9	86.3	-
		P Abs (kW)	27.5	26.6	26.6	26.6	26.6	28.6	27.5	27.3	27.3	27.3	29.2	28.4	27.9	27.9	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	114.1	122.3	129.3	134.5	-	119.7	125.6	130.1	133.2	-	128.2	128.6	131.2	-
		P Sens (kW)	-	85.6	89.3	93.7	98.5	-	85.8	90.0	93.5	98.2	-	88.0	90.2	93.2	-
		P Abs (kW)	-	35.6	34.5	34.0	33.8	-	37.1	35.6	35.1	34.7	-	36.7	36.4	36.0	-
External Temp 35ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	97.4	103.1	109.9	114.4	118.0	104.2	109.5	112.7	115.6	118.0	110.3	114.2	116.1	116.3	117.1
		P Sens (kW)	72.7	76.1	79.5	82.6	86.9	72.9	77.1	79.8	83.0	86.9	73.7	77.5	80.2	82.5	86.5
		P Abs (kW)	30.0	29.1	29.1	29.1	29.1	31.2	30.0	29.8	29.8	29.8	31.9	31.0	30.5	30.5	30.5
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	111.6	119.7	126.4	131.5	-	117.1	122.8	127.3	130.3	-	125.4	125.8	128.3	128.6
		P Sens (kW)	-	81.8	85.3	89.6	94.2	-	82.0	86.0	89.4	94.0	-	84.2	86.2	89.4	93.1
		P Abs (kW)	-	38.8	37.6	37.2	36.9	-	40.5	38.8	38.3	37.9	-	40.0	39.8	39.3	38.8
External Temp 40ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	94.2	99.7	106.2	110.5	114.0	100.7	105.8	108.9	111.8	114.0	106.7	110.3	112.2	112.4	-
		P Sens (kW)	72.1	75.1	78.6	81.5	85.8	72.1	76.2	78.8	81.9	85.8	72.9	76.4	79.0	81.3	-
		P Abs (kW)	32.7	31.7	31.7	31.7	31.7	34.0	32.7	32.5	32.5	32.5	34.8	33.8	33.2	33.2	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	107.9	115.7	122.2	127.1	-	113.2	118.7	123.0	125.9	-	121.2	121.6	124.1	-
		P Sens (kW)	-	80.7	84.1	88.2	92.7	-	80.9	84.8	88.0	92.5	-	82.9	85.0	87.8	-
		P Abs (kW)	-	42.3	41.0	40.5	40.3	-	44.1	42.3	41.8	41.3	-	43.6	43.4	42.8	-
External Temp 45ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	90.1	95.4	101.6	105.8	109.1	96.4	101.3	104.2	106.9	109.1	102.0	105.6	107.3	107.5	108.3
		P Sens (kW)	65.5	68.3	71.5	74.1	78.0	65.5	69.3	71.7	74.5	78.0	66.3	69.4	71.9	73.9	77.4
		P Abs (kW)	35.5	34.4	34.4	34.4	34.4	36.9	35.5	35.2	35.2	35.2	37.7	36.6	36.1	36.1	36.1
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	103.2	110.7	116.9	121.6	-	108.3	113.6	117.7	120.4	-	115.9	116.3	118.7	118.9
		P Sens (kW)	-	73.4	76.5	80.2	84.3	-	73.5	77.1	80.1	84.1	-	75.4	77.3	79.9	83.2
		P Abs (kW)	-	45.9	44.5	43.9	43.7	-	47.9	45.9	45.4	44.8	-	47.3	47.0	46.5	45.9
External Temp 48ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	88.3	104.0	119.5	135.0	143.0	94.5	105.2	113.4	123.2	126.6	100.0	115.1	126.1	137.2	-
		P Sens (kW)	68.4	77.1	83.4	93.9	102.0	69.2	74.0	76.2	82.7	85.2	70.5	78.6	83.6	93.5	-
		P Abs (kW)	37.6	36.4	36.4	36.7	36.7	39.1	39.1	39.1	39.4	39.4	40.0	38.8	38.2	38.5	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	105.2	125.0	141.7	156.4	-	115.6	128.4	137.7	146.2	-	118.2	131.5	143.8	-
		P Sens (kW)	-	76.1	83.4	91.4	102.8	-	79.6	83.7	87.4	93.2	-	77.9	83.5	90.7	-
		P Abs (kW)	-	50.5	47.7	46.1	46.3	-	50.6	49.2	48.3	48.8	-	52.0	50.5	48.8	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR4100														
			23ºC/50%					27ºC/50%					31ºC/50%				
External Temp 25ºC		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	121.7	128.8	137.3	142.8	147.3	130.1	136.8	140.7	144.4	147.3	137.8	142.6	145.0	145.2	146.3
		P Sens (kW)	94.3	98.3	102.8	106.6	112.2	94.3	99.6	103.1	107.1	112.2	95.3	99.9	103.4	106.3	111.4
		P Abs (kW)	28.4	27.5	27.5	27.5	27.5	29.6	28.4	28.2	28.2	28.2	30.2	29.3	28.9	28.9	28.9
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	139.4	149.5	157.9	164.3	-	146.3	153.4	159.0	162.7	-	156.6	157.1	160.3	160.6
		P Sens (kW)	-	105.5	110.1	115.4	121.3	-	105.8	110.9	115.2	121.1	-	108.5	111.2	114.9	119.7
		P Abs (kW)	-	36.8	35.7	35.2	35.0	-	38.4	36.8	36.3	35.9	-	37.9	37.7	37.2	36.8
External Temp 30ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	120.5	127.6	136.0	141.5	146.0	128.9	135.5	139.4	143.1	146.0	136.5	141.2	143.6	143.9	-
		P Sens (kW)	92.6	96.5	101.0	104.7	110.2	92.6	97.8	101.3	105.2	110.2	93.6	98.1	101.5	104.4	-
		P Abs (kW)	31.2	30.2	30.2	30.2	30.2	32.4	31.2	30.9	30.9	30.9	33.2	32.2	31.7	31.7	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	138.1	148.1	156.4	162.7	-	144.9	152.0	157.5	161.2	-	155.1	155.6	158.8	-
		P Sens (kW)	-	103.6	108.1	113.4	119.1	-	103.9	108.9	113.1	118.9	-	106.5	109.2	112.8	-
		P Abs (kW)	-	40.4	39.1	38.6	38.4	-	42.1	40.4	39.9	39.4	-	41.6	41.3	40.9	-
External Temp 35ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	117.9	124.8	133.0	138.4	142.8	126.1	132.5	136.4	139.9	142.8	133.5	138.1	140.5	140.7	141.7
		P Sens (kW)	88.0	92.1	96.2	100.0	105.1	88.3	93.3	96.6	100.4	105.1	89.2	93.7	97.1	99.8	104.6
		P Abs (kW)	34.0	33.0	33.0	33.0	33.0	35.4	34.0	33.8	33.8	33.8	36.2	35.1	34.6	34.6	34.6
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	135.1	144.8	153.0	159.2	-	141.7	148.7	154.0	157.6	-	151.7	152.2	155.3	155.6
		P Sens (kW)	-	99.0	103.2	108.4	114.0	-	99.2	104.1	108.2	113.7	-	101.9	104.4	108.2	112.7
		P Abs (kW)	-	44.0	42.7	42.2	41.9	-	45.9	44.0	43.5	43.0	-	45.4	45.1	44.6	44.0
External Temp 40ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	114.0	120.6	128.6	133.8	138.0	121.9	128.1	131.8	135.3	138.0	129.1	133.5	135.8	136.0	-
		P Sens (kW)	87.2	90.9	95.1	98.6	103.8	87.2	92.2	95.4	99.1	103.8	88.2	92.4	95.6	98.4	-
		P Abs (kW)	37.1	35.9	35.9	35.9	35.9	38.6	37.1	36.8	36.8	36.8	39.5	38.3	37.7	37.7	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	130.6	140.0	147.9	153.8	-	137.0	143.7	148.9	152.4	-	146.7	147.2	150.1	-
		P Sens (kW)	-	97.6	101.8	106.8	112.2	-	97.9	102.6	106.5	112.0	-	100.3	102.8	106.3	-
		P Abs (kW)	-	48.0	46.6	46.0	45.7	-	50.1	48.0	47.4	46.8	-	49.5	49.2	48.6	-
External Temp 45ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	109.0	115.4	123.0	128.0	132.0	116.6	122.5	126.1	129.4	132.0	123.5	127.8	129.9	130.1	131.1
		P Sens (kW)	79.3	82.7	86.5	89.7	94.4	79.3	83.8	86.7	90.1	94.4	80.2	84.0	87.0	89.4	93.7
		P Abs (kW)	40.3	39.0	39.0	39.0	39.0	41.9	40.3	40.0	40.0	40.0	42.8	41.6	40.9	40.9	40.9
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	124.9	133.9	141.5	147.2	-	131.1	137.5	142.4	145.8	-	140.3	140.8	143.6	143.9
		P Sens (kW)	-	88.8	92.6	97.1	102.1	-	89.0	93.3	96.9	101.8	-	91.2	93.5	96.7	100.7
		P Abs (kW)	-	52.1	50.5	49.9	49.5	-	54.3	52.1	51.5	50.8	-	53.7	53.4	52.7	52.1
External Temp 48ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	106.9	125.9	144.6	163.3	173.1	114.3	127.3	137.2	149.2	153.2	121.1	139.3	152.6	166.0	-
		P Sens (kW)	82.7	93.3	101.0	113.6	123.4	83.8	89.6	92.3	100.1	103.1	85.3	95.1	101.2	113.1	-
		P Abs (kW)	42.7	41.3	41.3	41.6	41.6	44.4	44.4	44.4	44.7	44.7	45.4	44.0	43.4	43.6	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	127.3	151.3	171.5	189.2	-	139.9	155.3	166.6	176.9	-	143.0	159.1	174.0	-
		P Sens (kW)	-	92.0	100.9	110.6	124.4	-	96.3	101.3	105.8	112.8	-	94.2	101.1	109.7	-
		P Abs (kW)	-	57.3	54.2	52.3	52.6	-	57.4	55.9	54.8	55.4	-	59.0	57.2	55.4	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR5120														
			23ºC/50%					27ºC/50%					31ºC/50%				
External Temp 25ºC		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	142.9	151.3	161.2	167.8	173.1	152.9	160.6	165.3	169.6	173.1	161.9	167.5	170.3	170.6	171.8
		P Sens (kW)	110.7	115.4	120.8	125.2	131.8	110.7	117.0	121.1	125.8	131.8	112.0	117.3	121.4	124.9	130.9
		P Abs (kW)	32.4	31.3	31.3	31.3	31.3	33.7	32.4	32.1	32.1	32.1	34.4	33.4	32.9	32.9	32.9
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	163.7	175.5	185.5	192.9	-	171.8	180.2	186.7	191.1	-	183.9	184.5	188.3	188.6
		P Sens (kW)	-	123.9	129.3	135.6	142.5	-	124.3	130.2	135.3	142.2	-	127.4	130.5	134.9	140.6
		P Abs (kW)	-	41.9	40.6	40.1	39.8	-	43.7	41.9	41.4	40.8	-	43.2	42.9	42.4	41.9
External Temp 30ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	141.6	149.9	159.7	166.2	171.4	151.4	159.1	163.7	168.0	171.4	160.3	165.9	168.6	169.0	-
		P Sens (kW)	108.7	113.4	118.6	122.9	129.4	108.7	114.9	118.9	123.6	129.4	110.0	115.2	119.2	122.6	-
		P Abs (kW)	35.5	34.4	34.4	34.4	34.4	36.9	35.5	35.2	35.2	35.2	37.8	36.6	36.1	36.1	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	162.2	173.9	183.7	191.1	-	170.2	178.5	185.0	189.3	-	182.2	182.8	186.5	-
		P Sens (kW)	-	121.7	127.0	133.1	139.9	-	122.0	127.9	132.8	139.6	-	125.1	128.2	132.5	-
		P Abs (kW)	-	45.9	44.5	44.0	43.7	-	47.9	45.9	45.4	44.8	-	47.4	47.1	46.5	-
External Temp 35ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	138.5	146.6	156.2	162.5	167.7	148.1	155.6	160.1	164.4	167.7	156.8	162.2	165.0	165.3	166.5
		P Sens (kW)	103.3	108.2	113.0	117.4	123.5	103.7	109.6	113.4	117.9	123.5	104.8	110.1	114.0	117.2	122.9
		P Abs (kW)	38.8	37.5	37.5	37.5	37.5	40.3	38.8	38.5	38.5	38.5	41.2	40.0	39.4	39.4	39.4
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	158.6	170.1	179.7	186.9	-	166.5	174.6	180.9	185.1	-	178.2	178.8	182.4	182.7
		P Sens (kW)	-	116.3	121.2	127.3	133.9	-	116.5	122.2	127.1	133.6	-	119.6	122.6	127.0	132.3
		P Abs (kW)	-	50.1	48.6	48.0	47.7	-	52.3	50.1	49.5	48.9	-	51.7	51.4	50.8	50.1
External Temp 40ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	133.8	141.7	151.0	157.1	162.1	143.2	150.4	154.8	158.9	162.1	151.6	156.8	159.4	159.7	-
		P Sens (kW)	102.4	106.8	111.7	115.8	121.9	102.4	108.3	112.0	116.4	121.9	103.6	108.5	112.3	115.5	-
		P Abs (kW)	42.3	40.9	40.9	40.9	40.9	43.9	42.3	41.9	41.9	41.9	44.9	43.6	42.9	42.9	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	153.3	164.4	173.7	180.7	-	160.9	168.8	174.9	178.9	-	172.2	172.8	176.3	-
		P Sens (kW)	-	114.7	119.6	125.4	131.8	-	114.9	120.5	125.1	131.5	-	117.9	120.8	124.8	-
		P Abs (kW)	-	54.7	53.0	52.3	52.0	-	57.0	54.7	54.0	53.3	-	56.4	56.0	55.3	-
External Temp 45ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	128.0	135.6	144.5	150.3	155.0	137.0	143.9	148.1	152.0	155.0	145.0	150.0	152.5	152.8	153.9
		P Sens (kW)	93.1	97.1	101.6	105.3	110.9	93.1	98.4	101.9	105.8	110.9	94.2	98.7	102.1	105.0	110.1
		P Abs (kW)	45.8	44.4	44.4	44.4	44.4	47.7	45.8	45.5	45.5	45.5	48.8	47.3	46.6	46.6	46.6
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	146.7	157.3	166.2	172.9	-	153.9	161.5	167.3	171.2	-	164.8	165.3	168.7	169.0
		P Sens (kW)	-	104.3	108.8	114.0	119.9	-	104.5	109.5	113.8	119.6	-	107.2	109.8	113.5	118.3
		P Abs (kW)	-	59.3	57.5	56.8	56.4	-	61.9	59.3	58.6	57.9	-	61.1	60.8	60.0	59.3
External Temp 48ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	125.6	147.9	169.8	191.8	203.3	134.3	149.5	161.1	175.2	179.9	142.2	163.7	179.3	195.0	-
		P Sens (kW)	97.2	109.6	118.6	133.4	144.9	98.4	105.2	108.4	117.6	121.1	100.2	111.7	118.9	132.9	-
		P Abs (kW)	48.6	47.1	47.1	47.3	47.3	50.5	50.5	50.5	50.9	50.9	51.7	50.1	49.4	49.7	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	149.5	177.7	201.4	222.2	-	164.3	182.4	195.7	207.8	-	167.9	186.8	204.4	-
		P Sens (kW)	-	108.1	118.5	129.9	146.2	-	113.1	118.9	124.3	132.5	-	110.7	118.7	128.9	-
		P Abs (kW)	-	65.2	61.7	59.6	59.8	-	65.4	63.6	62.3	63.1	-	67.2	65.2	63.0	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR5135															
			23ºC/50%					27ºC/50%					31ºC/50%					
External Temp 25ºC		% RENOV. AIR.	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	162.2	171.7	183.0	190.4	196.4	173.5	182.3	187.6	192.5	196.4	183.7	190.1	193.2	193.6	195.0	
		P Sens (kW)	125.7	131.0	137.1	142.1	149.6	125.7	132.8	137.5	142.8	149.6	127.1	133.2	137.8	141.7	148.5	
		P Abs (kW)	37.9	36.7	36.7	36.7	36.7	39.4	37.9	37.6	37.6	37.6	40.3	39.1	38.5	38.5	38.5	
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	185.8	199.2	210.5	219.0	-	195.0	204.5	211.9	216.9	-	208.8	209.5	213.7	214.1	
		P Sens (kW)	-	140.7	146.7	153.9	161.7	-	141.0	147.8	153.5	161.4	-	144.6	148.2	153.2	159.6	
		P Abs (kW)	-	49.0	47.5	46.9	46.6	-	51.1	49.0	48.4	47.8	-	50.5	50.2	49.6	49.0	
External Temp 30ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	160.7	170.1	181.3	188.6	194.6	171.9	180.6	185.8	190.7	194.6	182.0	188.3	191.4	191.8	-	
		P Sens (kW)	123.4	128.7	134.6	139.5	146.9	123.4	130.4	135.0	140.2	146.9	124.8	130.8	135.3	139.2	-	
		P Abs (kW)	41.6	40.3	40.3	40.3	40.3	43.2	41.6	41.3	41.3	41.3	44.2	42.9	42.3	42.3	-	
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	184.1	197.4	208.5	216.9	-	193.2	202.6	209.9	214.8	-	206.8	207.5	211.7	-	
		P Sens (kW)	-	138.1	144.1	151.1	158.8	-	138.5	145.2	150.8	158.5	-	142.0	145.5	150.4	-	
		P Abs (kW)	-	53.8	52.2	51.5	51.2	-	56.1	53.8	53.1	52.5	-	55.5	55.1	54.5	-	
External Temp 35ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	157.2	166.4	177.3	184.5	190.3	168.1	176.6	181.8	186.6	190.3	178.0	184.2	187.2	187.6	188.9	
		P Sens (kW)	117.3	122.8	128.3	133.3	140.2	117.7	124.4	128.8	133.8	140.2	118.9	125.0	129.4	133.0	139.5	
		P Abs (kW)	45.4	44.0	44.0	44.0	44.0	47.2	45.4	45.0	45.0	45.0	48.3	46.8	46.1	46.1	46.1	
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	180.1	193.0	204.0	212.2	-	188.9	198.2	205.3	210.1	-	202.3	203.0	207.1	207.4	
		P Sens (kW)	-	132.0	137.6	144.5	152.0	-	132.2	138.7	144.2	151.6	-	135.8	139.1	144.2	150.2	
		P Abs (kW)	-	58.7	56.9	56.2	55.8	-	61.3	58.7	58.0	57.3	-	60.5	60.2	59.5	58.7	
External Temp 40ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	151.9	160.8	171.4	178.3	184.0	162.5	170.7	175.7	180.3	184.0	172.1	178.0	181.0	181.3	-	
		P Sens (kW)	116.3	121.2	126.8	131.5	138.4	116.3	122.9	127.2	132.1	138.4	117.6	123.2	127.5	131.1	-	
		P Abs (kW)	49.5	47.9	47.9	47.9	47.9	51.5	49.5	49.1	49.1	49.1	52.6	51.1	50.3	50.3	-	
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	174.0	186.6	197.2	205.1	-	182.6	191.5	198.5	203.1	-	195.5	196.2	200.1	-	
		P Sens (kW)	-	130.1	135.8	142.4	149.6	-	130.5	136.7	142.0	149.3	-	133.8	137.1	141.7	-	
		P Abs (kW)	-	64.0	62.1	61.3	60.9	-	66.8	64.0	63.2	62.5	-	66.0	65.6	64.8	-	
External Temp 45ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	145.3	153.9	164.0	170.6	176.0	155.5	163.3	168.1	172.5	176.0	164.6	170.3	173.1	173.5	174.7	
		P Sens (kW)	105.7	110.2	115.3	119.5	125.8	105.7	111.7	115.6	120.1	125.8	106.9	112.0	115.9	119.2	124.9	
		P Abs (kW)	53.7	52.0	52.0	52.0	52.0	55.8	53.7	53.3	53.3	53.3	57.1	55.4	54.5	54.5	54.5	
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	166.5	178.5	188.6	196.2	-	174.7	183.3	189.9	194.3	-	187.0	187.7	191.5	191.8	
		P Sens (kW)	-	118.3	123.4	129.4	136.1	-	118.6	124.3	129.1	135.8	-	121.6	124.6	128.8	134.3	
		P Abs (kW)	-	69.5	67.3	66.5	66.1	-	72.4	69.5	68.6	67.8	-	71.6	71.2	70.3	69.5	
External Temp 48ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	142.5	167.8	192.7	217.7	230.8	152.4	169.7	182.9	198.8	204.2	161.4	185.8	203.5	221.3	-	
		P Sens (kW)	110.3	124.4	134.6	151.5	164.5	111.7	119.4	123.0	133.5	137.4	113.7	126.8	134.9	150.8	-	
		P Abs (kW)	56.9	55.1	55.1	55.5	55.5	59.2	59.2	59.2	59.6	59.6	60.5	58.7	57.8	58.2	-	
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	169.7	201.7	228.6	252.2	-	186.5	207.1	222.1	235.8	-	190.6	212.1	232.0	-	
		P Sens (kW)	-	122.7	134.5	147.5	165.9	-	128.4	135.0	141.0	150.4	-	125.6	134.7	146.3	-	
		P Abs (kW)	-	76.3	72.2	69.8	70.1	-	76.5	74.5	73.0	73.9	-	78.7	76.3	73.8	-	

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR5140															
			23ºC/50%					27ºC/50%					31ºC/50%					
External Temp 25ºC		% RENOV. AIR.	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	177.0	187.4	199.7	207.8	214.3	189.3	198.9	204.7	210.1	214.3	200.4	207.4	210.8	211.2	212.8	
		P Sens (kW)	137.1	143.0	149.6	155.0	163.2	137.1	144.9	150.0	155.8	163.2	138.7	145.3	150.4	154.6	162.0	
		P Abs (kW)	41.6	40.3	40.3	40.3	40.3	43.3	41.6	41.3	41.3	41.3	44.2	42.9	42.3	42.3	42.3	
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	202.8	217.4	229.7	238.9	-	212.8	223.1	231.2	236.6	-	227.8	228.5	233.1	233.5	
		P Sens (kW)	-	153.5	160.1	167.9	176.5	-	153.9	161.3	167.5	176.1	-	157.8	161.7	167.1	174.1	
		P Abs (kW)	-	53.8	52.2	51.5	51.2	-	56.1	53.8	53.2	52.5	-	55.5	55.1	54.5	53.8	
External Temp 30ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	175.3	185.6	197.8	205.8	212.3	187.5	197.0	202.7	208.1	212.3	198.6	205.4	208.8	209.2	-	
		P Sens (kW)	134.7	140.4	146.9	152.2	160.3	134.7	142.3	147.3	153.0	160.3	136.2	142.7	147.7	151.9	-	
		P Abs (kW)	45.6	44.2	44.2	44.2	44.2	47.5	45.6	45.3	45.3	45.3	48.5	47.1	46.4	46.4	-	
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	200.8	215.3	227.5	236.7	-	210.8	221.0	229.0	234.4	-	225.6	226.4	231.0	-	
		P Sens (kW)	-	150.7	157.2	164.9	173.3	-	151.1	158.4	164.5	172.9	-	154.9	158.8	164.1	-	
		P Abs (kW)	-	59.1	57.2	56.5	56.2	-	61.6	59.1	58.3	57.6	-	60.9	60.5	59.8	-	
External Temp 35ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	171.5	181.5	193.5	201.3	207.6	183.4	192.7	198.3	203.5	207.6	194.2	200.9	204.3	204.6	206.1	
		P Sens (kW)	127.9	134.0	140.0	145.4	152.9	128.4	135.7	140.5	146.0	152.9	129.7	136.3	141.2	145.1	152.2	
		P Abs (kW)	49.8	48.2	48.2	48.2	48.2	51.8	49.8	49.4	49.4	49.4	53.0	51.4	50.6	50.6	50.6	
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	196.4	210.6	222.5	231.5	-	206.1	216.2	224.0	229.3	-	220.7	221.4	225.9	226.3	
		P Sens (kW)	-	144.0	150.1	157.6	165.9	-	144.3	151.3	157.3	165.4	-	148.1	151.8	157.3	163.8	
		P Abs (kW)	-	64.5	62.5	61.7	61.3	-	67.2	64.5	63.7	62.9	-	66.4	66.0	65.2	64.5	
External Temp 40ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	165.7	175.5	187.0	194.6	200.7	177.3	186.3	191.7	196.7	200.7	187.7	194.2	197.5	197.8	-	
		P Sens (kW)	126.8	132.3	138.4	143.4	151.0	126.8	134.1	138.7	144.1	151.0	128.3	134.4	139.1	143.1	-	
		P Abs (kW)	54.3	52.6	52.6	52.6	52.6	56.5	54.3	53.9	53.9	53.9	57.8	56.0	55.2	55.2	-	
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	189.9	203.6	215.1	223.8	-	199.3	209.0	216.5	221.6	-	213.3	214.0	218.3	-	
		P Sens (kW)	-	142.0	148.1	155.3	163.2	-	142.3	149.2	155.0	162.9	-	145.9	149.6	154.6	-	
		P Abs (kW)	-	70.3	68.1	67.3	66.8	-	73.3	70.3	69.4	68.6	-	72.4	72.0	71.1	-	
External Temp 45ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	158.6	167.9	178.9	186.1	192.0	169.6	178.2	183.4	188.2	192.0	179.6	185.8	188.9	189.2	190.6	
		P Sens (kW)	115.3	120.3	125.8	130.4	137.3	115.3	121.9	126.2	131.1	137.3	116.7	122.2	126.5	130.1	136.3	
		P Abs (kW)	58.9	57.1	57.1	57.1	57.1	61.3	58.9	58.5	58.5	58.5	62.7	60.8	59.9	59.9	59.9	
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	181.7	194.8	205.8	214.1	-	190.6	199.9	207.2	212.0	-	204.1	204.8	208.9	209.2	
		P Sens (kW)	-	129.1	134.7	141.2	148.4	-	129.4	135.7	140.9	148.1	-	132.7	136.0	140.6	146.5	
		P Abs (kW)	-	76.2	73.9	73.0	72.5	-	79.5	76.2	75.3	74.4	-	78.6	78.1	77.2	76.2	
External Temp 48ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	155.5	183.1	210.3	237.5	251.8	166.3	185.2	199.5	216.9	222.8	176.1	202.7	222.0	241.5	-	
		P Sens (kW)	120.3	135.7	146.8	165.2	179.5	121.9	130.3	134.2	145.6	149.9	124.1	138.3	147.2	164.6	-	
		P Abs (kW)	62.5	60.5	60.5	60.9	60.9	64.9	65.0	65.0	65.4	65.4	66.4	64.5	63.5	63.9	-	
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	185.1	220.1	249.4	275.2	-	203.4	225.9	242.3	257.3	-	208.0	231.4	253.1	-	
		P Sens (kW)	-	133.9	146.8	160.9	181.0	-	140.1	147.3	153.9	164.1	-	137.1	147.0	159.6	-	
		P Abs (kW)	-	83.8	79.2	76.6	76.9	-	84.0	81.8	80.1	81.1	-	86.4	83.8	81.0	-	

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR5150														
			23ºC/50%					27ºC/50%					31ºC/50%				
External Temp 25ºC		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	186.0	197.0	209.9	218.4	225.3	199.0	209.1	215.2	220.8	225.3	210.7	218.0	221.6	222.0	223.7
		P Sens (kW)	144.1	150.3	157.2	163.0	171.6	144.1	152.3	157.7	163.8	171.6	145.8	152.7	158.1	162.6	170.4
		P Abs (kW)	43.4	42.0	42.0	42.0	42.0	45.1	43.4	43.0	43.0	43.0	46.1	44.7	44.1	44.1	44.1
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	213.1	228.5	241.5	251.2	-	223.7	234.6	243.1	248.7	-	239.4	240.2	245.1	245.5
		P Sens (kW)	-	161.3	168.3	176.5	185.5	-	161.8	169.5	176.1	185.1	-	165.8	169.9	175.7	183.0
		P Abs (kW)	-	56.1	54.4	53.7	53.4	-	58.5	56.1	55.4	54.7	-	57.8	57.5	56.8	56.1
External Temp 30ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	184.3	195.1	207.9	216.3	223.2	197.1	207.1	213.1	218.7	223.2	208.7	215.9	219.6	220.0	-
		P Sens (kW)	141.6	147.6	154.4	160.1	168.5	141.6	149.6	154.8	160.9	168.5	143.2	150.0	155.2	159.6	-
		P Abs (kW)	47.6	46.1	46.1	46.1	46.1	49.5	47.6	47.2	47.2	47.2	50.6	49.1	48.3	48.3	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	211.1	226.4	239.2	248.8	-	221.6	232.4	240.8	246.4	-	237.2	238.0	242.8	-
		P Sens (kW)	-	158.4	165.3	173.3	182.2	-	158.8	166.5	172.9	181.8	-	162.9	166.9	172.5	-
		P Abs (kW)	-	61.6	59.7	58.9	58.5	-	64.2	61.6	60.8	60.1	-	63.4	63.1	62.3	-
External Temp 35ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	180.3	190.8	203.4	211.6	218.3	192.8	202.6	208.5	214.0	218.3	204.2	211.2	214.7	215.1	216.7
		P Sens (kW)	134.5	140.8	147.2	152.8	160.7	135.0	142.6	147.7	153.5	160.7	136.4	143.3	148.5	152.6	160.0
		P Abs (kW)	51.9	50.3	50.3	50.3	50.3	54.0	51.9	51.5	51.5	51.5	55.2	53.6	52.8	52.8	52.8
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	206.5	221.4	233.9	243.4	-	216.7	227.3	235.5	241.0	-	232.0	232.8	237.5	237.9
		P Sens (kW)	-	151.4	157.8	165.7	174.4	-	151.7	159.1	165.4	173.9	-	155.7	159.6	165.4	172.2
		P Abs (kW)	-	67.2	65.1	64.3	63.9	-	70.1	67.2	66.4	65.5	-	69.3	68.8	68.0	67.2
External Temp 40ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	174.2	184.5	196.6	204.5	211.0	186.4	195.8	201.5	206.8	211.0	197.3	204.2	207.6	207.9	-
		P Sens (kW)	133.3	139.0	145.5	150.8	158.7	133.3	140.9	145.9	151.5	158.7	134.9	141.3	146.2	150.4	-
		P Abs (kW)	56.6	54.8	54.8	54.8	54.8	58.9	56.6	56.2	56.2	56.2	60.2	58.4	57.5	57.5	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	199.6	214.0	226.1	235.2	-	209.5	219.7	227.6	232.9	-	224.2	225.0	229.5	-
		P Sens (kW)	-	149.3	155.7	163.3	171.6	-	149.6	156.8	162.9	171.2	-	153.4	157.2	162.5	-
		P Abs (kW)	-	73.3	71.0	70.1	69.7	-	76.4	73.3	72.4	71.5	-	75.5	75.1	74.2	-
External Temp 45ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	166.7	176.5	188.1	195.7	201.8	178.3	187.4	192.8	197.9	201.8	188.8	195.3	198.6	198.9	200.4
		P Sens (kW)	121.3	126.4	132.3	137.1	144.3	121.3	128.1	132.6	137.8	144.3	122.6	128.5	133.0	136.8	143.3
		P Abs (kW)	61.4	59.5	59.5	59.5	59.5	63.9	61.4	60.9	60.9	60.9	65.3	63.4	62.4	62.4	62.4
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	191.0	204.7	216.3	225.0	-	200.4	210.2	217.8	222.9	-	214.5	215.3	219.6	220.0
		P Sens (kW)	-	135.7	141.6	148.5	156.0	-	136.1	142.6	148.1	155.7	-	139.5	143.0	147.8	154.0
		P Abs (kW)	-	79.5	77.0	76.1	75.6	-	82.9	79.5	78.5	77.5	-	81.9	81.4	80.4	79.5
External Temp 48ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	163.4	192.5	221.0	249.7	264.7	174.8	194.6	209.7	228.0	234.2	185.1	213.1	233.4	253.9	-
		P Sens (kW)	126.5	142.7	154.4	173.7	188.7	128.1	137.0	141.1	153.1	157.6	130.4	145.4	154.8	173.0	-
		P Abs (kW)	65.1	63.1	63.1	63.4	63.4	67.7	67.7	67.7	68.1	68.1	69.3	67.2	66.2	66.6	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	194.6	231.4	262.1	289.3	-	213.8	237.5	254.7	270.5	-	218.6	243.2	266.1	-
		P Sens (kW)	-	140.7	154.3	169.1	190.3	-	147.3	154.8	161.8	172.5	-	144.1	154.5	167.8	-
		P Abs (kW)	-	87.3	82.6	79.8	80.2	-	87.6	85.2	83.5	84.5	-	90.0	87.3	84.4	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR5170														
			23ºC/50%					27ºC/50%					31ºC/50%				
External Temp 25ºC		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	207.9	220.1	234.5	244.0	251.7	222.3	233.6	240.4	246.7	251.7	235.4	243.6	247.6	248.1	249.9
		P Sens (kW)	161.0	167.9	175.7	182.1	191.7	161.0	170.2	176.1	183.0	191.7	162.9	170.6	176.6	181.6	190.3
		P Abs (kW)	48.1	46.6	46.6	46.6	46.6	50.0	48.1	47.7	47.7	47.7	51.2	49.6	48.9	48.9	48.9
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	238.1	255.3	269.8	280.6	-	249.9	262.1	271.6	277.9	-	267.5	268.4	273.8	274.3
		P Sens (kW)	-	180.3	188.0	197.2	207.3	-	180.7	189.4	196.7	206.8	-	185.3	189.9	196.3	204.5
		P Abs (kW)	-	62.2	60.3	59.6	59.2	-	64.9	62.2	61.5	60.7	-	64.1	63.8	63.0	62.2
External Temp 30ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	205.9	218.0	232.3	241.7	249.3	220.2	231.4	238.1	244.4	249.3	233.2	241.3	245.3	245.7	-
		P Sens (kW)	158.1	164.9	172.5	178.8	188.2	158.1	167.1	173.0	179.7	188.2	159.9	167.6	173.4	178.4	-
		P Abs (kW)	52.8	51.1	51.1	51.1	51.1	54.9	52.8	52.4	52.4	52.4	56.1	54.5	53.6	53.6	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	235.9	252.9	267.2	278.0	-	247.5	259.6	269.0	275.3	-	265.0	265.9	271.2	-
		P Sens (kW)	-	177.0	184.7	193.6	203.5	-	177.5	186.0	193.2	203.1	-	182.0	186.5	192.7	-
		P Abs (kW)	-	68.3	66.2	65.4	64.9	-	71.2	68.3	67.4	66.6	-	70.4	70.0	69.1	-
External Temp 35ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	201.4	213.2	227.2	236.4	243.9	215.4	226.3	232.9	239.0	243.9	228.1	236.0	239.9	240.4	242.1
		P Sens (kW)	150.3	157.3	164.4	170.7	179.6	150.8	159.4	165.0	171.5	179.6	152.4	160.1	165.9	170.5	178.7
		P Abs (kW)	57.6	55.8	55.8	55.8	55.8	59.9	57.6	57.2	57.2	57.2	61.3	59.4	58.5	58.5	58.5
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	230.7	247.4	261.4	271.9	-	242.1	253.9	263.1	269.3	-	259.2	260.1	265.3	265.7
		P Sens (kW)	-	169.1	176.3	185.2	194.8	-	169.5	177.7	184.8	194.3	-	174.0	178.3	184.7	192.4
		P Abs (kW)	-	74.5	72.2	71.3	70.9	-	77.7	74.5	73.6	72.7	-	76.8	76.4	75.4	74.5
External Temp 40ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	194.7	206.1	219.6	228.5	235.7	208.2	218.8	225.1	231.1	235.7	220.5	228.1	231.9	232.3	-
		P Sens (kW)	149.0	155.3	162.5	168.4	177.3	149.0	157.4	162.9	169.3	177.3	150.7	157.9	163.4	168.0	-
		P Abs (kW)	62.8	60.8	60.8	60.8	60.8	65.3	62.8	62.3	62.3	62.3	66.8	64.8	63.8	63.8	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	223.0	239.1	252.6	262.8	-	234.0	245.4	254.3	260.3	-	250.5	251.4	256.4	-
		P Sens (kW)	-	166.8	174.0	182.4	191.7	-	167.2	175.2	182.0	191.3	-	171.4	175.6	181.6	-
		P Abs (kW)	-	81.3	78.8	77.8	77.3	-	84.8	81.3	80.3	79.3	-	83.8	83.3	82.3	-
External Temp 45ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	186.2	197.2	210.1	218.6	225.5	199.2	209.3	215.4	221.1	225.5	210.9	218.2	221.9	222.3	223.9
		P Sens (kW)	135.5	141.2	147.8	153.2	161.2	135.5	143.2	148.2	153.9	161.2	137.0	143.5	148.6	152.8	160.1
		P Abs (kW)	68.1	66.0	66.0	66.0	66.0	70.9	68.1	67.6	67.6	67.6	72.5	70.3	69.2	69.2	69.2
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	213.4	228.7	241.7	251.4	-	223.9	234.8	243.3	249.0	-	239.7	240.5	245.3	245.7
		P Sens (kW)	-	151.6	158.2	165.9	174.3	-	152.0	159.3	165.5	173.9	-	155.9	159.7	165.1	172.0
		P Abs (kW)	-	88.2	85.5	84.4	83.8	-	91.9	88.2	87.1	86.0	-	90.9	90.3	89.2	88.2
External Temp 48ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	182.6	215.1	246.9	279.0	295.7	195.3	217.5	234.3	254.8	261.6	206.8	238.0	260.7	283.6	-
		P Sens (kW)	141.3	159.4	172.5	194.1	210.8	143.2	153.0	157.6	171.0	176.1	145.7	162.4	172.9	193.3	-
		P Abs (kW)	72.2	69.9	69.9	70.4	70.4	75.1	75.1	75.1	75.6	75.6	76.8	74.5	73.4	73.8	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	217.4	258.5	292.9	323.2	-	238.9	265.3	284.6	302.2	-	244.3	271.7	297.3	-
		P Sens (kW)	-	157.2	172.4	189.0	212.6	-	164.6	173.0	180.7	192.7	-	161.0	172.6	187.5	-
		P Abs (kW)	-	96.9	91.6	88.6	88.9	-	97.1	94.5	92.6	93.8	-	99.9	96.9	93.7	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR6200														
			23°C/50%					27°C/50%					31°C/50%				
External Temp 25°C		% RENOV. AIR.	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	245.5	259.9	277.0	288.2	297.3	262.6	275.9	283.9	291.4	297.3	278.0	287.7	292.5	293.0	295.1
		P Sens (kW)	190.2	198.3	207.5	215.1	226.4	190.2	201.0	208.0	216.1	226.4	192.4	201.5	208.6	214.5	224.8
		P Abs (kW)	56.9	55.1	55.1	55.1	55.1	59.1	56.9	56.4	56.4	56.4	60.5	58.7	57.8	57.8	57.8
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	281.2	301.5	318.6	331.4	-	295.1	309.5	320.7	328.2	-	315.9	317.0	323.4	323.9
		P Sens (kW)	-	212.9	222.1	232.9	244.8	-	213.4	223.7	232.3	244.2	-	218.8	224.2	231.8	241.5
		P Abs (kW)	-	73.6	71.3	70.4	70.0	-	76.7	73.6	72.7	71.8	-	75.8	75.4	74.5	73.6
External Temp 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	243.2	257.5	274.4	285.5	294.5	260.1	273.3	281.2	288.6	294.5	275.4	284.9	289.7	290.2	-
		P Sens (kW)	186.8	194.7	203.8	211.2	222.3	186.8	197.4	204.3	212.3	222.3	188.9	197.9	204.8	210.7	-
		P Abs (kW)	62.4	60.4	60.4	60.4	60.4	64.9	62.4	61.9	61.9	61.9	66.4	64.4	63.4	63.4	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	278.6	298.7	315.6	328.3	-	292.3	306.6	317.7	325.1	-	313.0	314.0	320.4	-
		P Sens (kW)	-	209.1	218.1	228.7	240.4	-	209.6	219.7	228.2	239.8	-	214.9	220.2	227.6	-
		P Abs (kW)	-	80.7	78.2	77.2	76.8	-	84.2	80.7	79.7	78.7	-	83.2	82.7	81.7	-
External Temp 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	237.9	251.8	268.4	279.2	288.0	254.4	267.3	275.1	282.3	288.0	269.4	278.7	283.4	283.9	285.9
		P Sens (kW)	177.5	185.8	194.2	201.7	212.1	178.1	188.2	194.9	202.5	212.1	180.0	189.1	195.9	201.3	211.1
		P Abs (kW)	68.1	65.9	65.9	65.9	65.9	70.8	68.1	67.6	67.6	67.6	72.4	70.3	69.2	69.2	69.2
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	272.5	292.1	308.7	321.1	-	285.9	299.9	310.8	318.0	-	306.1	307.1	313.3	313.9
		P Sens (kW)	-	199.7	208.3	218.7	230.1	-	200.1	209.9	218.3	229.5	-	205.5	210.6	218.2	227.3
		P Abs (kW)	-	88.1	85.4	84.3	83.8	-	91.9	88.1	87.0	85.9	-	90.8	90.3	89.2	88.1
External Temp 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	229.9	243.4	259.4	269.9	278.4	245.9	258.4	265.9	272.9	278.4	260.4	269.4	273.9	274.4	-
		P Sens (kW)	176.0	183.5	192.0	198.9	209.4	176.0	186.0	192.5	199.9	209.4	178.0	186.5	193.0	198.4	-
		P Abs (kW)	74.2	71.9	71.9	71.9	71.9	77.2	74.2	73.7	73.7	73.7	79.0	76.6	75.4	75.4	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	263.4	282.4	298.4	310.4	-	276.4	289.9	300.4	307.4	-	295.9	296.9	302.9	-
		P Sens (kW)	-	196.9	205.4	215.4	226.4	-	197.4	206.9	214.9	225.9	-	202.4	207.4	214.4	-
		P Abs (kW)	-	96.1	93.1	91.9	91.3	-	100.2	96.1	94.9	93.7	-	99.0	98.4	97.2	-
External Temp 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	220.0	232.9	248.2	258.2	266.3	235.3	247.2	254.4	261.1	266.3	249.1	257.7	262.0	262.5	264.4
		P Sens (kW)	160.0	166.8	174.5	180.9	190.4	160.0	169.1	175.0	181.8	190.4	161.8	169.5	175.4	180.4	189.1
		P Abs (kW)	80.5	78.0	78.0	78.0	78.0	83.7	80.5	79.9	79.9	79.9	85.7	83.1	81.8	81.8	81.8
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	252.0	270.2	285.5	296.9	-	264.4	277.3	287.4	294.1	-	283.1	284.0	289.8	290.2
		P Sens (kW)	-	179.1	186.8	195.9	205.9	-	179.5	188.2	195.4	205.4	-	184.1	188.6	195.0	203.2
		P Abs (kW)	-	104.2	101.0	99.7	99.1	-	108.7	104.2	102.9	101.6	-	107.4	106.8	105.5	104.2
External Temp 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	215.7	254.0	291.6	329.5	349.2	230.7	256.8	276.7	300.9	309.0	244.3	281.1	307.9	335.0	-
		P Sens (kW)	166.9	188.2	203.7	229.2	248.9	169.1	180.7	186.2	202.0	208.0	172.1	191.9	204.2	228.3	-
		P Abs (kW)	85.4	82.7	82.7	83.2	83.2	88.8	88.8	88.8	89.3	89.3	90.8	88.1	86.7	87.3	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	256.8	305.3	345.9	381.7	-	282.2	313.4	336.1	356.9	-	288.5	321.0	351.1	-
		P Sens (kW)	-	185.7	203.6	223.2	251.1	-	194.4	204.3	213.4	227.6	-	190.1	203.9	221.4	-
		P Abs (kW)	-	114.5	108.3	104.7	105.1	-	114.8	111.7	109.5	110.8	-	118.0	114.5	110.7	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR6230														
			23ºC/50%					27ºC/50%					31ºC/50%				
External Temp 25ºC		% RENOV. AIR.	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	252.8	267.7	285.2	296.8	306.1	270.4	284.1	292.4	300.1	306.1	286.3	296.2	301.2	301.7	303.9
		P Sens (kW)	195.9	204.2	213.7	221.5	233.2	195.9	207.0	214.2	222.6	233.2	198.1	207.6	214.8	220.9	231.5
		P Abs (kW)	60.7	58.8	58.8	58.8	58.8	63.1	60.7	60.2	60.2	60.2	64.6	62.6	61.7	61.7	61.7
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	289.6	310.5	328.1	341.3	-	303.9	318.8	330.3	338.0	-	325.4	326.5	333.1	333.6
		P Sens (kW)	-	219.2	228.7	239.8	252.1	-	219.8	230.4	239.3	251.5	-	225.4	230.9	238.7	248.7
		P Abs (kW)	-	78.5	76.1	75.2	74.7	-	81.9	78.5	77.6	76.6	-	81.0	80.5	79.5	78.5
External Temp 30ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	250.4	265.1	282.6	294.0	303.2	267.9	281.5	289.6	297.3	303.2	283.6	293.4	298.3	298.9	-
		P Sens (kW)	192.4	200.5	209.8	217.5	229.0	192.4	203.3	210.4	218.6	229.0	194.5	203.8	210.9	216.9	-
		P Abs (kW)	66.6	64.5	64.5	64.5	64.5	69.3	66.6	66.1	66.1	66.1	70.9	68.7	67.7	67.7	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	286.9	307.6	325.0	338.1	-	301.1	315.8	327.2	334.8	-	322.3	323.4	329.9	-
		P Sens (kW)	-	215.3	224.6	235.5	247.5	-	215.9	226.2	235.0	247.0	-	221.3	226.8	234.4	-
		P Abs (kW)	-	86.2	83.5	82.5	82.0	-	89.9	86.2	85.1	84.1	-	88.8	88.3	87.2	-
External Temp 35ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	245.0	259.3	276.4	287.6	296.6	262.0	275.3	283.3	290.7	296.6	277.4	287.0	291.8	292.3	294.5
		P Sens (kW)	182.8	191.4	200.0	207.7	218.4	183.4	193.8	200.7	208.6	218.4	185.3	194.8	201.7	207.3	217.4
		P Abs (kW)	72.7	70.4	70.4	70.4	70.4	75.6	72.7	72.1	72.1	72.1	77.3	75.0	73.9	73.9	73.9
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	280.6	300.9	317.9	330.7	-	294.5	308.9	320.0	327.5	-	315.2	316.3	322.7	323.2
		P Sens (kW)	-	205.7	214.5	225.2	236.9	-	206.1	216.2	224.8	236.3	-	211.6	216.8	224.7	234.1
		P Abs (kW)	-	94.1	91.2	90.0	89.5	-	98.1	94.1	92.9	91.8	-	97.0	96.4	95.2	94.1
External Temp 40ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	236.8	250.7	267.1	277.9	286.7	253.2	266.1	273.8	281.0	286.7	268.2	277.4	282.1	282.6	-
		P Sens (kW)	181.2	188.9	197.7	204.9	215.7	181.2	191.5	198.2	205.9	215.7	183.3	192.0	198.7	204.4	-
		P Abs (kW)	79.3	76.8	76.8	76.8	76.8	82.4	79.3	78.7	78.7	78.7	84.3	81.8	80.5	80.5	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	271.3	290.8	307.3	319.6	-	284.6	298.5	309.3	316.5	-	304.7	305.7	311.9	-
		P Sens (kW)	-	202.8	211.6	221.9	233.2	-	203.3	213.1	221.4	232.7	-	208.5	213.6	220.8	-
		P Abs (kW)	-	102.6	99.4	98.2	97.5	-	107.0	102.6	101.3	100.0	-	105.7	105.1	103.8	-
External Temp 45ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	226.5	239.8	255.6	265.9	274.3	242.3	254.6	262.0	268.9	274.3	256.6	265.4	269.9	270.3	272.3
		P Sens (kW)	164.8	171.8	179.7	186.3	196.1	164.8	174.1	180.2	187.2	196.1	166.6	174.6	180.7	185.8	194.7
		P Abs (kW)	86.0	83.3	83.3	83.3	83.3	89.4	86.0	85.3	85.3	85.3	91.5	88.7	87.4	87.4	87.4
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	259.5	278.2	294.0	305.8	-	272.3	285.6	295.9	302.8	-	291.5	292.5	298.4	298.9
		P Sens (kW)	-	184.4	192.4	201.7	212.0	-	184.9	193.8	201.3	211.6	-	189.6	194.3	200.8	209.2
		P Abs (kW)	-	111.3	107.9	106.5	105.8	-	116.0	111.3	109.9	108.5	-	114.7	114.0	112.6	111.3
External Temp 48ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	222.1	261.6	300.3	339.3	359.7	237.6	264.5	285.0	309.9	318.2	251.6	289.5	317.1	345.0	-
		P Sens (kW)	171.9	193.8	209.8	236.1	256.4	174.1	186.1	191.7	208.0	214.2	177.2	197.6	210.3	235.1	-
		P Abs (kW)	91.2	88.3	88.3	88.8	88.8	94.8	94.8	94.8	95.4	95.4	97.0	94.1	92.6	93.2	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	264.5	314.4	356.2	393.1	-	290.6	322.7	346.1	367.5	-	297.1	330.5	361.6	-
		P Sens (kW)	-	191.2	209.7	229.8	258.5	-	200.2	210.4	219.8	234.4	-	195.8	210.0	228.0	-
		P Abs (kW)	-	122.3	115.7	111.8	112.3	-	122.6	119.3	116.9	118.3	-	126.0	122.2	118.2	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR7230														
			23ºC/50%					27ºC/50%					31ºC/50%				
External Temp 25ºC		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	261.6	277.0	295.2	307.1	316.8	279.8	294.0	302.6	310.5	316.8	296.3	306.5	311.7	312.2	314.5
		P Sens (kW)	202.7	211.3	221.1	229.2	241.3	202.7	214.2	221.7	230.3	241.3	205.0	214.8	222.3	228.6	239.5
		P Abs (kW)	66.0	63.9	63.9	63.9	63.9	68.6	66.0	65.5	65.5	65.5	70.2	68.1	67.1	67.1	67.1
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	299.7	321.3	339.5	353.2	-	314.5	329.9	341.8	349.8	-	336.7	337.8	344.6	345.2
		P Sens (kW)	-	226.9	236.7	248.2	260.8	-	227.4	238.4	247.6	260.3	-	233.2	239.0	247.0	257.4
		P Abs (kW)	-	85.4	82.8	81.7	81.2	-	89.1	85.4	84.4	83.3	-	88.0	87.5	86.5	85.4
External Temp 30ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	259.1	274.4	292.4	304.2	313.8	277.2	291.3	299.7	307.6	313.8	293.5	303.6	308.7	309.3	-
		P Sens (kW)	199.0	207.5	217.1	225.1	236.9	199.0	210.4	217.7	226.2	236.9	201.3	210.9	218.3	224.5	-
		P Abs (kW)	72.4	70.1	70.1	70.1	70.1	75.3	72.4	71.9	71.9	71.9	77.0	74.7	73.6	73.6	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	296.9	318.3	336.3	349.8	-	311.5	326.7	338.6	346.5	-	333.5	334.6	341.4	-
		P Sens (kW)	-	222.8	232.4	243.7	256.2	-	223.4	234.1	243.1	255.6	-	229.0	234.7	242.6	-
		P Abs (kW)	-	93.7	90.8	89.7	89.1	-	97.7	93.7	92.6	91.4	-	96.6	96.0	94.9	-
External Temp 35ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	253.5	268.3	286.0	297.5	306.9	271.1	284.9	293.1	300.9	306.9	287.1	297.0	302.0	302.5	304.7
		P Sens (kW)	189.1	198.0	206.9	214.9	226.0	189.8	200.6	207.7	215.8	226.0	191.8	201.5	208.7	214.5	224.9
		P Abs (kW)	79.1	76.6	76.6	76.6	76.6	82.2	79.1	78.4	78.4	78.4	84.1	81.6	80.3	80.3	80.3
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	290.4	311.3	329.0	342.2	-	304.7	319.6	331.2	338.9	-	326.2	327.3	333.9	334.5
		P Sens (kW)	-	212.8	221.9	233.0	245.2	-	213.3	223.7	232.6	244.5	-	219.0	224.4	232.5	242.2
		P Abs (kW)	-	102.3	99.1	97.9	97.3	-	106.7	102.3	101.0	99.8	-	105.4	104.8	103.5	102.3
External Temp 40ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	245.0	259.4	276.4	287.6	296.7	262.0	275.4	283.3	290.8	296.7	277.5	287.1	291.9	292.4	-
		P Sens (kW)	187.5	195.5	204.6	212.0	223.2	187.5	198.2	205.1	213.1	223.2	189.6	198.7	205.6	211.5	-
		P Abs (kW)	86.2	83.5	83.5	83.5	83.5	89.6	86.2	85.5	85.5	85.5	91.7	88.9	87.6	87.6	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	280.7	300.9	318.0	330.7	-	294.5	308.9	320.1	327.6	-	315.3	316.4	322.8	-
		P Sens (kW)	-	209.9	218.9	229.6	241.3	-	210.4	220.5	229.1	240.8	-	215.7	221.1	228.5	-
		P Abs (kW)	-	111.5	108.1	106.7	106.0	-	116.3	111.5	110.1	108.8	-	114.9	114.3	112.9	-
External Temp 45ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	234.4	248.2	264.5	275.2	283.8	250.7	263.4	271.1	278.2	283.8	265.5	274.6	279.2	279.7	281.8
		P Sens (kW)	170.5	177.8	186.0	192.8	202.9	170.5	180.2	186.5	193.7	202.9	172.4	180.7	187.0	192.3	201.5
		P Abs (kW)	93.5	90.5	90.5	90.5	90.5	97.2	93.5	92.8	92.8	92.8	99.5	96.5	95.0	95.0	95.0
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	268.5	287.9	304.2	316.4	-	281.8	295.5	306.2	313.4	-	301.7	302.7	308.8	309.3
		P Sens (kW)	-	190.8	199.1	208.8	219.4	-	191.3	200.5	208.3	218.9	-	196.2	201.0	207.8	216.5
		P Abs (kW)	-	121.0	117.3	115.8	115.0	-	126.2	121.0	119.5	118.0	-	124.7	123.9	122.5	121.0
External Temp 48ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	229.8	270.7	310.8	351.1	372.2	245.8	273.7	294.9	320.7	329.3	260.3	299.6	328.2	357.0	-
		P Sens (kW)	177.9	200.6	217.1	244.3	265.3	180.2	192.6	198.4	215.3	221.6	183.4	204.4	217.6	243.3	-
		P Abs (kW)	99.1	96.0	96.0	96.6	96.6	103.1	103.1	103.1	103.7	103.7	105.4	102.3	100.7	101.3	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	273.7	325.3	368.6	406.8	-	300.7	334.0	358.2	380.3	-	307.4	342.0	374.2	-
		P Sens (kW)	-	197.9	217.0	237.8	267.5	-	207.1	217.7	227.5	242.5	-	202.6	217.3	235.9	-
		P Abs (kW)	-	133.0	125.8	121.5	122.1	-	133.3	129.7	127.1	128.7	-	137.0	132.9	128.5	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR7260														
			23°C/50%					27°C/50%					31°C/50%				
External Temp 25°C		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	297.5	315.0	335.7	349.2	360.2	318.2	334.4	344.1	353.1	360.2	337.0	348.6	354.4	355.1	357.7
		P Sens (kW)	230.5	240.3	251.5	260.6	274.4	230.5	243.6	252.1	261.9	274.4	233.1	244.2	252.8	260.0	272.4
		P Abs (kW)	73.8	71.5	71.5	71.5	71.5	76.7	73.8	73.2	73.2	73.2	78.5	76.2	75.0	75.0	75.0
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	340.8	365.4	386.1	401.6	-	357.7	375.1	388.7	397.8	-	382.9	384.2	391.9	392.6
		P Sens (kW)	-	258.0	269.1	282.2	296.6	-	258.7	271.1	281.6	296.0	-	265.2	271.8	280.9	292.7
		P Abs (kW)	-	95.5	92.6	91.4	90.8	-	99.6	95.5	94.3	93.1	-	98.4	97.8	96.7	95.5
External Temp 30°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	294.7	312.0	332.5	346.0	356.8	315.2	331.2	340.8	349.8	356.8	333.8	345.3	351.1	351.7	-
		P Sens (kW)	226.4	236.0	246.9	255.9	269.4	226.4	239.2	247.6	257.2	269.4	228.9	239.9	248.2	255.3	-
		P Abs (kW)	81.0	78.4	78.4	78.4	78.4	84.2	81.0	80.3	80.3	80.3	86.1	83.6	82.3	82.3	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	337.6	362.0	382.5	397.8	-	354.3	371.6	385.0	394.0	-	379.3	380.5	388.2	-
		P Sens (kW)	-	253.4	264.3	277.2	291.3	-	254.0	266.2	276.5	290.7	-	260.4	266.9	275.9	-
		P Abs (kW)	-	104.8	101.6	100.3	99.6	-	109.3	104.8	103.5	102.2	-	108.0	107.3	106.1	-
External Temp 35°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	288.2	305.2	325.2	338.4	349.0	308.3	324.0	333.4	342.1	349.0	326.5	337.8	343.4	344.0	346.5
		P Sens (kW)	215.1	225.2	235.3	244.4	257.0	215.8	228.1	236.2	245.5	257.0	218.1	229.2	237.4	244.0	255.8
		P Abs (kW)	88.4	85.6	85.6	85.6	85.6	91.9	88.4	87.7	87.7	87.7	94.0	91.2	89.8	89.8	89.8
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	330.2	354.0	374.1	389.1	-	346.5	363.4	376.6	385.4	-	371.0	372.2	379.7	380.4
		P Sens (kW)	-	242.0	252.4	265.0	278.8	-	242.5	254.4	264.5	278.1	-	249.0	255.2	264.4	275.4
		P Abs (kW)	-	114.3	110.8	109.4	108.7	-	119.3	114.3	112.9	111.5	-	117.9	117.2	115.8	114.3
External Temp 40°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	278.6	295.0	314.4	327.1	337.4	298.0	313.1	322.2	330.7	337.4	315.6	326.5	331.9	332.5	-
		P Sens (kW)	213.2	222.3	232.6	241.1	253.8	213.2	225.4	233.2	242.3	253.8	215.7	226.0	233.8	240.5	-
		P Abs (kW)	96.4	93.3	93.3	93.3	93.3	100.2	96.4	95.6	95.6	95.6	102.5	99.4	97.9	97.9	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	319.2	342.2	361.6	376.1	-	334.9	351.3	364.0	372.5	-	358.6	359.8	367.0	-
		P Sens (kW)	-	238.7	249.0	261.1	274.4	-	239.3	250.8	260.5	273.8	-	245.3	251.4	259.9	-
		P Abs (kW)	-	124.7	120.9	119.3	118.6	-	130.0	124.7	123.1	121.6	-	128.5	127.7	126.2	-
External Temp 45°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	266.6	282.2	300.7	312.9	322.8	285.1	299.6	308.3	316.4	322.8	301.9	312.3	317.6	318.1	320.4
		P Sens (kW)	193.9	202.2	211.5	219.2	230.8	193.9	204.9	212.1	220.3	230.8	196.1	205.5	212.6	218.7	229.1
		P Abs (kW)	104.6	101.2	101.2	101.2	101.2	108.7	104.6	103.7	103.7	103.7	111.2	107.9	106.2	106.2	106.2
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	305.4	327.4	345.9	359.9	-	320.4	336.1	348.3	356.4	-	343.0	344.2	351.2	351.7
		P Sens (kW)	-	217.0	226.4	237.4	249.5	-	217.6	228.0	236.9	249.0	-	223.1	228.6	236.3	246.2
		P Abs (kW)	-	135.3	131.1	129.4	128.6	-	141.1	135.3	133.6	131.9	-	139.4	138.6	136.9	135.3
External Temp 48°C	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	261.4	307.8	353.4	399.3	423.2	279.5	311.2	335.4	364.7	374.5	296.0	340.7	373.2	406.0	-
		P Sens (kW)	202.3	228.1	246.8	277.8	301.7	204.9	219.0	225.6	244.8	252.1	208.5	232.5	247.5	276.6	-
		P Abs (kW)	110.8	107.3	107.3	108.0	108.0	115.2	115.3	115.3	116.0	116.0	117.9	114.3	112.6	113.3	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	311.2	370.0	419.2	462.6	-	342.0	379.8	407.3	432.5	-	349.6	389.0	425.5	-
		P Sens (kW)	-	225.0	246.7	270.5	304.2	-	235.5	247.6	258.7	275.8	-	230.4	247.1	268.3	-
		P Abs (kW)	-	148.7	140.6	135.9	136.5	-	149.0	145.0	142.1	143.9	-	153.2	148.6	143.7	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

			KCR7300														
			23ºC/50%					27ºC/50%					31ºC/50%				
External Temp 25ºC		% RENOV. AIR	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	317.6	336.2	358.3	372.8	384.5	339.7	356.9	367.3	376.9	384.5	359.7	372.1	378.3	379.0	381.8
		P Sens (kW)	246.0	256.5	268.4	278.2	292.9	246.0	260.0	269.1	279.6	292.9	248.8	260.7	269.8	277.5	290.8
		P Abs (kW)	78.5	76.1	76.1	76.1	76.1	81.7	78.5	77.9	77.9	77.9	83.5	81.0	79.8	79.8	79.8
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	363.8	390.1	412.2	428.7	-	381.8	400.4	414.9	424.6	-	408.7	410.1	418.4	419.1
		P Sens (kW)	-	275.4	287.3	301.3	316.6	-	276.1	289.4	300.6	315.9	-	283.1	290.1	299.9	312.5
		P Abs (kW)	-	101.6	98.5	97.3	96.6	-	106.0	101.6	100.4	99.1	-	104.7	104.1	102.9	101.6
External Temp 30ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	314.6	333.0	354.9	369.3	380.9	336.5	353.6	363.8	373.4	380.9	356.3	368.6	374.8	375.4	-
		P Sens (kW)	241.6	251.9	263.6	273.2	287.6	241.6	255.4	264.3	274.6	287.6	244.4	256.0	265.0	272.5	-
		P Abs (kW)	86.2	83.4	83.4	83.4	83.4	89.6	86.2	85.5	85.5	85.5	91.7	88.9	87.6	87.6	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	360.4	386.4	408.3	424.7	-	378.2	396.6	411.0	420.6	-	404.9	406.2	414.4	-
		P Sens (kW)	-	270.5	282.1	295.9	311.0	-	271.1	284.2	295.2	310.3	-	278.0	284.9	294.5	-
		P Abs (kW)	-	111.5	108.1	106.7	106.0	-	116.3	111.5	110.1	108.8	-	114.9	114.2	112.9	-
External Temp 35ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	307.7	325.8	347.2	361.2	372.6	329.1	345.8	355.9	365.2	372.6	348.5	360.5	366.6	367.2	369.9
		P Sens (kW)	229.6	240.4	251.2	260.9	274.4	230.4	243.5	252.1	262.0	274.4	232.8	244.6	253.4	260.4	273.1
		P Abs (kW)	94.1	91.1	91.1	91.1	91.1	97.8	94.1	93.3	93.3	93.3	100.0	97.1	95.6	95.6	95.6
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	352.5	377.9	399.3	415.4	-	369.9	388.0	402.0	411.4	-	396.0	397.3	405.4	406.0
		P Sens (kW)	-	258.4	269.4	282.9	297.6	-	258.9	271.6	282.3	296.8	-	265.8	272.4	282.3	294.0
		P Abs (kW)	-	121.7	118.0	116.5	115.7	-	126.9	121.7	120.2	118.7	-	125.4	124.7	123.2	121.7
External Temp 40ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	297.4	314.9	335.6	349.1	360.1	318.1	334.3	344.0	353.0	360.1	336.9	348.5	354.3	355.0	-
		P Sens (kW)	227.6	237.3	248.3	257.4	270.9	227.6	240.6	249.0	258.7	270.9	230.2	241.2	249.6	256.7	-
		P Abs (kW)	102.6	99.3	99.3	99.3	99.3	106.6	102.6	101.7	101.7	101.7	109.1	105.8	104.2	104.2	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	340.7	365.3	386.0	401.5	-	357.5	375.0	388.6	397.6	-	382.8	384.1	391.8	-
		P Sens (kW)	-	254.8	265.8	278.7	292.9	-	255.4	267.7	278.1	292.3	-	261.9	268.4	277.4	-
		P Abs (kW)	-	132.7	128.6	127.0	126.2	-	138.4	132.7	131.1	129.4	-	136.8	135.9	134.3	-
External Temp 45ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	284.5	301.2	321.0	334.0	344.5	304.3	319.8	329.1	337.7	344.5	322.3	333.4	339.0	339.6	342.1
		P Sens (kW)	207.0	215.8	225.8	234.0	246.4	207.0	218.7	226.4	235.2	246.4	209.3	219.3	227.0	233.4	244.6
		P Abs (kW)	111.3	107.7	107.7	107.7	107.7	115.7	111.3	110.4	110.4	110.4	118.3	114.8	113.0	113.0	113.0
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	326.0	349.5	369.3	384.1	-	342.1	358.8	371.8	380.4	-	366.2	367.4	374.9	375.5
		P Sens (kW)	-	231.7	241.7	253.4	266.4	-	232.3	243.4	252.8	265.8	-	238.1	244.0	252.2	262.8
		P Abs (kW)	-	143.9	139.5	137.8	136.9	-	150.1	143.9	142.2	140.4	-	148.4	147.5	145.7	143.9
External Temp 48ºC	STANDARD ACTIVE RECOVERY	Pot Frig (kW)	279.0	328.6	377.3	426.2	451.8	298.4	332.2	358.0	389.3	399.8	316.0	363.7	398.4	433.3	-
		P Sens (kW)	216.0	243.5	263.5	296.5	322.0	218.7	233.8	240.8	261.3	269.1	222.6	248.2	264.2	295.3	-
		P Abs (kW)	117.9	114.2	114.2	114.9	114.9	122.6	122.7	122.7	123.4	123.4	125.4	121.7	119.8	120.6	-
	ENHANCED ACTIVE RECOVERY	Pot Frig (kW)	-	332.2	394.9	447.5	493.8	-	365.0	405.4	434.8	461.7	-	373.2	415.2	454.2	-
		P Sens (kW)	-	240.2	263.4	288.7	324.8	-	251.4	264.3	276.1	294.4	-	245.9	263.7	286.4	-
		P Abs (kW)	-	158.2	149.6	144.6	145.2	-	158.6	154.4	151.3	153.1	-	163.0	158.1	152.9	-

Refrigerant net power (kW) for standard units
Compressors absorbed power (kW)

POWER TABLE. ACTIVE RECOVERY HEAT PUMP UNIT. HEATING MODE.

		Standard Active Energy Recovery						Enhanced Active Energy Recovery					
	%	-6ºC BH		0ºC BH		6ºC BH		-6ºC BH		0ºC BH		6ºC BH	
	RENOV. AIR	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)
KCR0017	20%	19.5	5.3	21.9	5.9	25.0	6.3	-	-	-	-	-	-
	40%	17.5	5.0	22.1	5.5	25.2	6.3	20.4	6.1	25.7	6.7	29.3	7.5
	60%	19.9	4.8	22.7	5.4	25.2	6.2	23.4	5.8	26.5	6.5	29.4	7.4
	80%	20.3	4.5	23.0	5.3	25.4	6.2	23.7	5.5	26.9	6.4	29.7	7.4
	100%	-	-	23.3	5.3	25.6	6.2	-	-	26.9	6.4	30.0	7.3
KCR0020	20%	23.1	5.5	25.9	6.2	29.6	6.6	-	-	-	-	-	-
	40%	20.7	5.3	26.2	5.8	29.8	6.6	24.2	6.4	30.5	7.0	34.7	7.9
	60%	23.6	5.0	26.8	5.7	29.8	6.5	27.7	6.0	31.3	6.8	34.8	7.8
	60%	23.6	5.0	26.8	5.7	29.8	6.5	27.7	6.0	31.3	6.8	34.8	7.8
	60%	23.6	5.0	26.8	5.7	29.8	6.5	27.7	6.0	31.3	6.8	34.8	7.8
	60%	23.6	5.0	26.8	5.7	29.8	6.5	27.7	6.0	31.3	6.8	34.8	7.8
KCR0022	20%	24.2	6.0	27.1	6.7	31.0	7.2	-	-	-	-	-	-
	40%	21.7	5.7	27.4	6.3	31.1	7.2	25.3	6.9	31.9	7.6	36.3	8.6
	60%	24.6	5.5	28.0	6.2	31.1	7.1	29.0	6.6	32.8	7.4	36.4	8.5
	80%	25.1	5.2	28.5	6.1	31.4	7.1	29.3	6.2	33.3	7.4	36.7	8.5
	100%	-	-	28.8	6.0	31.7	7.0	-	-	33.3	7.3	37.1	8.4
KCR0026	20%	26.3	6.8	29.5	7.6	33.7	8.2	-	-	-	-	-	-
	40%	23.6	6.5	29.8	7.1	33.9	8.1	27.5	7.8	34.7	8.6	39.5	9.7
	60%	26.8	6.2	30.5	7.0	33.9	8.0	31.5	7.4	35.7	8.4	39.6	9.6
	80%	27.3	5.8	31.0	6.9	34.2	8.0	31.9	7.1	36.2	8.3	40.0	9.6
	100%	-	-	31.3	6.8	34.5	8.0	-	-	36.2	8.2	40.4	9.5
KCR0030	20%	32.9	7.7	36.9	8.6	42.2	9.2	-	-	-	-	-	-
	40%	29.5	7.3	37.3	8.0	42.4	9.2	34.5	8.8	43.4	9.7	49.4	10.9
	60%	33.5	6.9	38.2	7.9	42.4	9.1	39.4	8.4	44.6	9.5	49.6	10.8
	80%	34.2	6.6	38.8	7.8	42.8	9.1	39.9	7.9	45.4	9.4	50.0	10.8
	100%	-	-	39.2	7.7	43.2	9.0	-	-	45.3	9.3	50.6	10.7
KCR0035	20%	34.3	8.8	38.5	9.8	44.0	10.6	-	-	-	-	-	-
	40%	30.8	8.4	38.9	9.2	44.2	10.5	35.9	10.1	45.3	11.1	51.6	12.5
	60%	35.0	8.0	39.8	9.0	44.2	10.4	41.1	9.6	46.5	10.9	51.7	12.4
	80%	35.6	7.5	40.5	8.9	44.7	10.4	41.6	9.1	47.3	10.8	52.2	12.4
	100%	-	-	40.9	8.8	45.1	10.3	-	-	47.3	10.6	52.7	12.3
KCR0039	20%	37.4	9.8	42.0	10.9	48.0	11.7	-	-	-	-	-	-
	40%	33.6	9.3	42.4	10.2	48.2	11.6	39.2	11.2	49.3	12.3	56.2	13.9
	60%	38.1	8.8	43.4	10.0	48.2	11.5	44.8	10.7	50.7	12.1	56.4	13.7
	80%	38.9	8.4	44.1	9.9	48.7	11.5	45.4	10.1	51.6	11.9	56.9	13.7
	100%	-	-	44.6	9.8	49.1	11.4	-	-	51.5	11.8	57.5	13.6
KCR0044	20%	41.6	11.1	46.6	12.4	53.3	13.3	-	-	-	-	-	-
	40%	37.3	10.6	47.2	11.6	53.6	13.3	43.5	12.8	54.8	14.1	62.5	15.8
	60%	42.4	10.1	48.2	11.4	53.6	13.1	49.8	12.1	56.4	13.7	62.6	15.6
	80%	43.2	9.5	49.0	11.3	54.1	13.1	50.4	11.5	57.3	13.6	63.2	15.6
	100%	-	-	49.6	11.1	54.6	13.0	-	-	57.3	13.4	63.9	15.5
KCR1039	20%	40.7	9.2	45.7	10.2	52.2	11.0	-	-	-	-	-	-
	40%	36.5	8.7	46.2	9.6	52.5	10.9	42.8	10.5	53.9	11.5	61.4	12.9
	60%	41.5	8.3	47.2	9.4	52.5	10.8	49.0	9.9	55.4	11.2	61.6	12.8
	80%	42.3	7.9	48.0	9.3	53.0	10.8	49.6	9.4	56.4	11.1	62.2	12.8
	100%	-	-	48.5	9.2	53.5	10.7	-	-	57.1	11.0	62.8	12.7
KCR1041	20%	43.3	10.7	48.6	11.9	55.5	12.8	-	-	-	-	-	-
	40%	38.9	10.2	49.1	11.1	55.8	12.7	44.5	11.5	56.1	12.7	63.9	14.2
	60%	44.1	9.7	50.2	10.9	55.8	12.6	51.0	10.9	57.7	12.4	64.1	14.1
	80%	45.0	9.2	51.1	10.8	56.3	12.6	51.6	10.4	58.7	12.2	64.7	14.1
	100%	-	-	51.6	10.7	56.8	12.5	-	-	59.4	12.1	65.4	13.9

Heating net power (kW) for standard units
Compressor absorbed power (kW)
20ºC 50% Internal nominal temperatura conditions

		Standard Active Energy Recovery						Enhanced Active Energy Recovery					
	%RENOV AIR	-6ºC BH		0ºC BH		6ºC BH		-6ºC BH		0ºC BH		6ºC BH	
		Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)
KCR1044	20%	48.7	11.9	54.6	13.3	62.4	14.3	-	-	-	-	-	-
	40%	43.7	11.4	55.2	12.4	62.7	14.2	49.5	13.0	62.3	14.2	71.0	16.0
	60%	49.6	10.8	56.5	12.2	62.7	14.1	56.6	12.3	64.1	13.9	71.2	15.9
	80%	50.5	10.2	57.4	12.1	63.3	14.1	57.3	11.7	65.1	13.8	71.8	15.9
	100%	-	-	58.0	11.9	63.9	13.9	-	-	66.0	13.6	72.6	15.7
KCR1045	20%	49.3	12.4	55.3	13.8	63.2	14.8	-	-	-	-	-	-
	40%	44.2	11.8	55.9	12.9	63.5	14.7	50.5	13.3	63.5	14.6	72.4	16.4
	60%	50.2	11.2	57.2	12.7	63.5	14.6	57.7	12.6	65.3	14.3	72.6	16.3
	80%	51.2	10.6	58.1	12.5	64.1	14.6	58.4	12.0	66.4	14.1	73.3	16.3
	100%	-	-	58.8	12.4	64.7	14.4	-	-	67.3	13.9	74.1	16.1
KCR2050	20%	53.4	12.9	59.9	14.4	68.4	15.5	-	-	-	-	-	-
	40%	47.9	12.3	60.5	13.5	68.7	15.4	55.4	14.3	69.7	15.8	79.5	17.7
	60%	54.4	11.7	61.9	13.3	68.7	15.3	63.4	13.6	71.7	15.4	79.7	17.5
	80%	55.4	11.1	62.9	13.1	69.4	15.3	64.2	12.9	72.9	15.2	80.4	17.5
	100%	-	-	63.6	12.9	70.0	15.1	-	-	73.8	15.0	81.3	17.4
KCR2060	20%	63.3	15.4	71.0	17.2	81.1	18.5	-	-	-	-	-	-
	40%	6.85	14.7	71.8	16.1	81.5	18.4	64.5	17.0	81.2	18.7	92.5	21.0
	60%	64.5	14.0	73.4	15.8	81.5	18.2	73.8	16.1	83.5	18.3	92.8	20.8
	80%	65.7	13.2	74.6	15.6	82.3	18.2	74.7	15.3	84.9	18.0	93.6	20.8
	100%	-	-	75.4	15.4	83.0	18.0	-	-	86.0	17.8	94.7	20.6
KCR3070	20%	76.1	18.0	85.4	20.0	97.6	21.5	-	-	-	-	-	-
	40%	68.3	17.1	86.4	18.7	98.1	21.4	77.1	18.4	97.1	20.3	110.7	22.8
	60%	77.6	16.2	88.3	18.4	98.1	21.2	88.2	17.5	99.9	19.8	111.0	22.6
	80%	79.1	15.4	89.8	18.2	99.1	21.2	89.4	16.6	101.6	19.6	112.0	22.6
	100%	-	-	90.8	18.0	99.9	21.0	-	-	102.8	19.4	113.2	22.3
KCR3080	20%	80.9	19.5	90.7	21.8	103.7	23.4	-	-	-	-	-	-
	40%	72.6	18.6	91.8	20.4	104.2	23.3	83.7	20.5	105.4	22.6	120.0	25.4
	60%	82.4	17.7	93.8	20.0	104.2	23.0	95.7	19.5	108.4	22.1	120.4	25.1
	80%	84.0	16.7	95.4	19.8	105.3	23.0	96.9	18.5	110.2	21.8	121.5	25.1
	100%	-	-	96.4	19.5	106.2	22.8	-	-	111.5	21.5	122.8	24.9
KCR4090	20%	89.6	22.1	100.5	24.6	114.9	26.5	-	-	-	-	-	-
	40%	80.4	21.1	101.7	23.1	115.5	26.4	96.1	24.1	121.0	26.5	137.9	29.8
	60%	91.3	20.0	104.0	22.7	115.5	26.1	109.9	22.9	124.5	25.9	138.3	29.5
	80%	93.1	18.9	105.7	22.4	116.6	26.1	111.3	21.7	126.5	25.6	139.5	29.5
	100%	-	-	106.9	22.1	117.7	25.8	-	-	128.1	25.3	141.1	29.2
KCR4095	20%	89.8	22.0	100.7	24.6	115.1	26.4	-	-	-	-	-	-
	40%	80.6	21.0	101.9	23.0	115.7	26.3	99.2	26.1	125.0	28.7	142.4	32.2
	60%	91.5	19.9	104.2	22.6	115.7	26.0	113.5	24.8	128.5	28.0	142.8	31.9
	80%	93.2	18.9	105.9	22.3	116.8	26.0	115.0	23.5	130.7	27.7	144.1	31.9
	100%	-	-	107.0	22.0	117.9	25.7	-	-	132.3	27.4	145.7	31.6
KCR4100	20%	104.8	25.1	117.6	28.0	134.4	30.1	-	-	-	-	-	-
	40%	94.1	23.9	118.9	26.2	135.1	29.9	107.7	28.6	135.6	31.4	154.5	35.3
	60%	106.8	22.7	121.6	25.7	135.1	29.6	123.2	27.2	139.5	30.7	155.0	35.0
	80%	108.9	21.5	123.6	25.4	136.4	29.6	124.8	25.7	141.8	30.4	156.4	35.0
	100%	-	-	125.0	25.1	137.6	29.3	-	-	143.6	30.0	158.1	34.6
KCR5120	20%	122.8	29.6	137.7	32.9	157.4	35.4	-	-	-	-	-	-
	40%	110.2	28.1	139.3	30.8	158.2	35.2	125.4	32.0	157.9	35.2	180.0	39.6
	60%	125.1	26.7	142.4	30.3	158.2	34.9	143.5	30.4	162.5	34.4	180.5	39.2
	80%	127.5	25.3	144.8	29.9	159.8	34.9	145.3	28.9	165.2	34.0	182.1	39.2
	100%	-	-	146.4	29.6	161.2	34.5	-	-	167.2	33.6	184.1	38.8

Heating net power (kW) for standard units
Compressor absorbed power (kW)
20ºC 50% Internal nominal temperatura conditions

	Standard Active Energy Recovery							Enhanced Active Energy Recovery					
	%	-6ºC BH		0ºC BH		6ºC BH		-6ºC BH		0ºC BH		6ºC BH	
	RENOV. AIR	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)	Pot Cal (kW)	P Abs (kW)
KCR5135	20%	144.1	33.5	161.7	37.3	184.8	40.1	-	-	-	-	-	-
	40%	129.4	31.9	163.5	34.9	185.7	39.9	147.5	37.4	185.8	41.2	211.7	46.3
	60%	146.9	30.3	167.2	34.3	185.7	39.5	168.8	35.6	191.1	40.2	212.3	45.8
	80%	149.7	28.7	170.0	33.9	187.6	39.5	170.9	33.7	194.3	39.8	214.2	45.8
	100%	-	-	171.9	33.5	189.2	39.1	-	-	196.7	39.3	216.5	45.3
KCR5140	20%	152.0	37.2	170.5	41.5	194.9	44.6	-	-	-	-	-	-
	40%	136.4	35.5	172.5	38.8	195.9	44.4	156.5	41.5	197.1	45.6	224.5	51.2
	60%	154.9	33.7	176.4	38.1	195.9	43.9	179.0	39.4	202.7	44.5	225.2	50.7
	80%	157.9	31.9	179.3	37.7	197.8	43.9	181.3	37.3	206.1	44.0	227.2	50.7
	100%	-	-	181.3	37.2	199.6	43.5	-	-	208.6	43.5	229.7	50.2
KCR5150	20%	165.0	40.7	185.1	45.4	211.5	48.8	-	-	-	-	-	-
	40%	148.1	38.8	187.2	42.5	212.6	48.6	167.3	44.9	210.6	49.4	240.0	55.5
	60%	168.1	36.8	191.4	41.7	212.6	48.1	191.4	42.7	216.6	48.3	240.7	55.0
	80%	171.3	34.9	194.6	41.2	214.7	48.1	193.8	40.5	220.2	47.7	242.9	55.0
	100%	-	-	196.7	40.7	216.6	47.6	-	-	223.0	47.2	245.5	54.4
KCR5170	20%	189.2	45.4	212.2	50.6	242.5	54.4	-	-	-	-	-	-
	40%	169.8	43.2	214.6	47.3	243.7	54.1	190.6	49.2	240.0	54.1	273.5	60.8
	60%	192.8	41.1	219.5	46.5	243.7	53.6	218.1	46.7	246.9	52.9	274.3	60.2
	80%	196.4	38.9	223.1	46.0	246.1	53.6	220.8	44.3	251.0	52.2	276.8	60.2
	100%	-	-	225.5	45.4	248.3	53.0	-	-	254.1	51.6	279.8	59.6
KCR6200	20%	214.0	51.9	240.0	57.8	274.3	62.1	-	-	-	-	-	-
	40%	192.0	49.4	242.8	54.0	275.7	61.8	218.9	56.4	275.6	62.0	314.1	69.7
	60%	218.1	46.9	248.2	53.1	275.7	61.2	250.4	53.6	283.5	60.6	315.0	69.0
	80%	222.2	44.4	252.4	52.5	278.4	61.2	253.6	50.8	288.2	59.9	317.8	69.0
	100%	-	-	255.1	51.9	280.9	60.5	-	-	291.8	59.2	321.3	68.3
KCR6230	20%	217.6	51.8	244.1	57.7	279.0	62.0	-	-	-	-	-	-
	40%	195.3	49.3	246.9	53.9	280.4	61.7	221.6	62.4	279.0	68.6	317.9	77.1
	60%	221.8	46.8	252.5	53.0	280.4	61.1	253.5	59.3	286.9	67.0	318.8	76.3
	80%	226.0	44.3	256.7	52.4	283.2	61.1	256.6	56.2	291.7	66.2	321.7	76.3
	100%	-	-	259.5	51.8	285.7	60.4	-	-	291.4	65.5	325.2	75.5
KCR7230	20%	225.2	56.3	252.6	62.7	288.7	67.4	-	-	-	-	-	-
	40%	202.1	53.6	255.5	58.6	290.2	67.1	230.0	67.8	289.6	74.5	329.9	83.8
	60%	229.5	50.9	261.3	57.6	290.2	66.4	263.1	64.4	297.8	72.9	330.9	83.0
	80%	233.9	48.2	265.6	57.0	293.1	66.4	266.4	61.1	302.8	72.0	333.9	83.0
	100%	-	-	268.5	56.3	295.7	65.7	-	-	302.5	71.2	337.6	82.1
KCR7260	20%	256.1	62.9	287.3	70.1	328.3	75.4	-	-	-	-	-	-
	40%	229.8	59.9	290.6	65.6	330.0	75.0	261.0	75.8	328.7	83.3	374.5	93.7
	60%	261.0	56.9	297.1	64.4	330.0	74.2	298.6	72.0	338.0	81.5	375.6	92.8
	80%	266.0	53.9	302.1	63.7	333.3	74.2	302.4	68.3	343.7	80.5	379.0	92.8
	100%	-	-	305.4	62.9	336.2	73.5	-	-	343.3	79.6	383.1	91.8
KCR7300	20%	273.4	67.0	306.7	74.6	350.5	80.2	-	-	-	-	-	-
	40%	245.3	63.8	310.2	69.8	352.2	79.8	277.7	80.7	349.7	88.7	398.4	99.7
	60%	278.6	60.5	317.2	68.6	352.2	79.0	317.7	76.7	359.7	86.7	399.6	98.7
	80%	283.9	57.3	322.5	67.8	355.7	79.0	321.7	72.7	365.7	85.7	403.2	98.7
	100%	-	-	326.0	67.0	358.9	78.2	-	-	365.3	84.7	407.6	97.7

Heating net power (kW) for standard units
Compressor absorbed power (kW)
20ºC 50% Internal nominal temperatura conditions

ROOFTOP CR NOISE LEVEL TABLE

	Standard Rooftop Assembly		Return Fan Assembly		Active Recovery and Return Fan Assembly	
	Lw (db(A))	Lp10 (db(A))	Lw (db(A))	Lp10 (db(A))	Lw (db(A))	Lp10 (db(A))
KCR-0017	74	43	75	44	76	45
KCR-0020	74	43	75	44	76	45
KCR-0022	75	44	76	45	77	46
KCR-0026	77	46	78	47	79	48
KCR-0030	84	53	85	54	86	55
KCR-0035	86	55	87	56	88	57
KCR-0039	87	56	88	57	89	58
KCR-0041	88	57	89	58	90	59
KCR-1039	87	56	88	57	89	58
KCR-1041	88	57	89	58	90	59
KCR-1044	87	56	88	57	89	58
KCR-1045	88	57	89	58	90	59
KCR-2050	84	53	85	54	86	55
KCR-2060	84	53	85	54	86	55
KCR-3070	85	54	86	55	87	56
KCR-3080	85	54	86	55	87	56
KCR-4090	86	55	87	56	88	57
KCR-4095	86	55	87	56	88	57
KCR-4100	86	55	87	56	88	57
KCR-5120	87	56	88	57	89	58
KCR-5135	88	57	89	58	90	59
KCR-5140	88	57	89	58	90	59
KCR-5150	88	57	89	58	90	59
KCR-5170	89	58	90	59	91	60
KCR-6200	90	59	91	60	92	61
KCR-6230	91	60	92	61	93	62
KCR-7230	92	61	93	62	94	63
KCR-8260	94	63	95	64	96	65
KCR-8290	95	64	96	65	97	66

OPTIONAL TECHNICAL SPECIFICATIONS

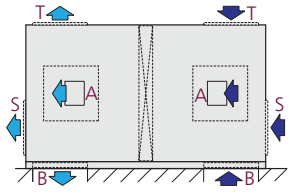
INTERNAL CIRCUIT OPTIONALS

AIR TREATMENT UNIT ASSEMBLY OPTIONALS

Reznor CR range units are designed to facilitate assembly and installation. For that reason, all propulsión, return and new air location combinations are possible, indicating outlets position.

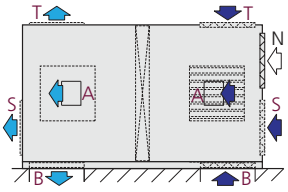
The assemblies are defined by three digits behind the letter A (Assembly), that make reference to supply and return locations and assembly type.

0 - Standard



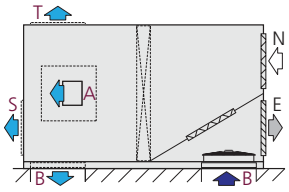
A 0

A - Two way mixing box



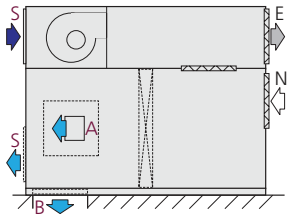
A A

B - Return EC plug fan



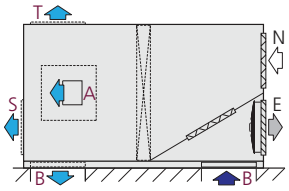
A B B

C - Centrifugal return



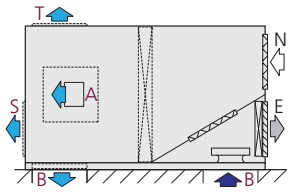
A S C

E - Extract EC plug fan

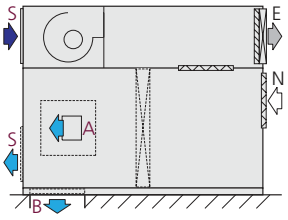


A B E

F - Active recovery with return fan

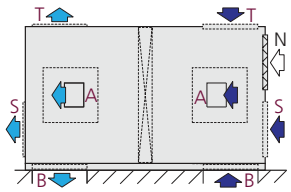


A B F



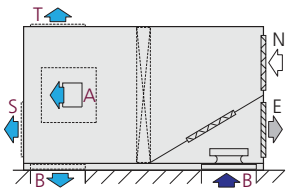
A S F

T - Fresh air intake



A T

Z - Return EC plug fan



A B Z

SUPPLY

B: Lower supply, the supply outlet is under the unit.
S: Long side supply (in a perpendicular direction to the unit)
T: Upper supply, the supply outlet is above the unit.
A: Short side supply (longitudinal direction to the unit). This option is available with standard radial supply fans. This option is not possible with the opcional centrifugal fan.

RETURN

B: Lower return, the return outlet is under the unit.
S: Long side return (in a perpendicular direction to the unit)
T: Upper return, the return outlet is above the unit.
A: Short side return (longitudinal direction to the unit).

ASSEMBLY TYPE

0: Standard. The standard assembly includes centrifugal supply fans with electric IE2 motor with belts and pulleys coupling. Optionally, a radial plug-fan fan with EC technology, in supply and in return outlets.

A: Two ways mixing box

B: Axial return and air extraction with three ways mixing box, with mixed aluminium gates motorized with servomotors. Lower return (B) is required.

C: Centrifugal EC plug-fan return with three ways mixing box, with mixed aluminium gates motorized with servomotors. Long side return (S) is required.

D: Dinamic energy recovery (by subcooler) and two ways mixing box. Available option for one compressor units. Lower return (B) is required. Ask for other options.

E: Axial air extraction fan with three ways mixing box, with mixed aluminium motorized gates. Lower return (B) is required.

F: Radial EC return with three ways mixing box and active refrigerant recovery, includes the aluminium motorized gates, and refrigerant recovery group with compressor. If lateral return (S), the unit incorporates an upper return drawer. It allows Active Enery Recovery (AER standard, AERH-enhanced, AER+Digital Scroll). Centrifugal return fans with IE2 electric motors with belts coupling are incorporated as standard. Optionally, EC technoly plug-fan fans are available.

K: Return by overpressure gate.

P: Energy recovery by rotating heat exchanger. Lower return (B) is required. Ask for other options.

R: Active energy recovery and two ways mixing box. Active recovery option without return fan. Long side (S) return is required. Ask for other needs.

T: External air outlet.

Z: Radial EC plug-fan return with three ways mixing box. It incorporates aluminium motorized gates and allows lower return without upper drawer. It can be only made with plug-fan, it is not possible with centrifugal fans and pulleys coupling motor.

VENTILATION OPTIONALS AND FILTERING IN THE INTERNAL UNIT

INTERNAL FLOW OPTION

The unit can work with flows between 20% more and 20% less than the nominal flow, except of 7230 model, that it limited to 12% of nominal flow (maximum flow 40,000 m3/h).

For high rates of flow, it is recommended the incorporation of the stop-drop optional to avoid drop draging. The load loss in this element must be considered to calculate the available pressure and the unit consumption.

INTERNAL RADIAL EC FAN OPTION

The standard fan are centrifugal with IE2 motors and pulleys coupling, in supply and in return. Optionally, it is available radial EC version with backward curved plates.

FILTERING OPTIONALS

The units incorporate one prefiltering stage as standard and, optionally, one or two filtering stages. The filters are equipped in a galvanized steel self-supporting frame protected with thermally treated polyester paint, removable with air leaks clasification L2 according to standard EN1886.

Optionally, depending on the installation type, units can be made with:

- Prefiltering stage only.
- Prefiltering stage and F filter stage.
- Prefiltering stage and two F filtering stages.

Prefiltering stage can be configured as the following types:

- Very low load loss prefilter,cleanable15-mm-thickness.
- Eficience G2, G3 or G4 25-mm-wide prefilter made of galvanized steel in methalic removable rail, cleanable.

Filtrating stages can be configured with compact eficience F6, F7, F8 and F9 48-mm-thickness filters made of galvanized steell in methalic removable rail.

Axial removal fans (E assembly)

Model	1039	1041	1044	1045	2050	2060	3070	3080	4090
Removal air flow (m3/h)	3400	3400	3700	3700	4450	5150	6000	6650	7700
No. Fans	1				2				
Diameter (mm)	450								
Power (kW)	0,19				2x0,19				
Max. Speed (r.p.m.)	940								
Max. Absorbed Current (A)	0,9				1,8				
Modelo	4095	4100	5120	5135	5140	5150	6170	6200	6230
Removal air flow (m3/h)	7700	8850	9900	11350	11750	12450	14300	15950	16500
No. Fans	2		3				4		
Diameter (mm)	450								
Power (kW)	2x0,19		3x0,19				4x0,19		
Max. Speed (r.p.m.)	940								
Max. Absorbed Current (A)	1,8		2,7				3,6		

Axial return fans (B assembly)

Model	1039	1041	1044	1045	2050	2060	3070	3080	4090
Return air flow (m3/h)	6800	6800	7400	7400	8900	10300	12000	13300	15400
No. Fans	2				2				
Diameter (mm)	450				500				
Power (kW)	2x0,19				2x0,72				
Max. Speed (r.p.m.)	940				1390				
Max. Absorbed Current (A)	1,8				2,82				
Modelo	4095	4100	5120	7135	5140	5150	6170	9200	7230
Return air flow (m3/h)	15400	17700	19800	22700	23500	24900	28600	31900	36000
No. Fans	2	4							
Diameter (mm)	500								
Power (kW)	2x0,72	4x0,72							
Max. Speed (r.p.m.)	1390								
Max. Absorbed Current (A)	2,82	5,64							

Radial EC return fan (Z assembly)

Model	1039	1041	1044	1045	2050	2060	3070	3080	4090
Return air flow (m3/h)	6800	6800	7400	7400	8900	10300	12000	13300	15400
Max. Available Static Pressure (Pa)	800	800	730	730	500	230	850	810	680
No. Fans	1						2		
Diameter (mm)	500								
Power (kW)	2,7						2x2,7		
Max. Speed (r.p.m.)	1700								
Max Absorbed Current (A)	4,2						8,4		
Modelo	4095	4100	5120	7135	5140	5150	6170	9200	7230
Return air flow (m3/h)	15400	17700	19800	22700	23500	24900	28600	31900	36000
Max. Available Static Pressure (Pa)	680	520	310	700	660	600	380	190	120
No. Fans	2			3					
Diameter (mm)	500								
Power (kW)	2x2,7			3x2,7					
Max. Speed (r.p.m.)	1700								
Max Absorbed Current (A)	8,4			12,6					

Refrigerant recovery unit (F assembly)

Model	1039	1041	1044	1045	2050	2060	3070	3080	4090
Total Refrigerant Power (20% A.E.)	50,3	51,6	58,0	57,1	65,8	74,3	90,4	95,0	114,9
Total Heating Power (20% A.E.)	52,2	55,5	62,4	63,2	68,4	81,1	97,6	103,7	121,0
Total Refrigerant Power (60% A.E.)	59,1	59,6	66,7	66,6	74,6	86,5	102,2	112,1	129,9
Total Heating Power (60% A.E.)	61,6	64,1	71,2	72,6	79,7	92,8	111,0	120,4	138,3
Nominal air flow (m3/h)	6800	6800	7400	7400	8900	10300	12000	13300	15400
Max. Available Static Pressure (Pa)	710	710	640	640	410	140	760	720	590
Compressor type	Scroll								
Nº compressors / circuits	1 / 1								
Model	4095	4100	5120	7135	5140	5150	6170	9200	7230
Total Refrigerant Power (20% A.E.)	115,1	126,1	148,2	168,1	183,4	192,8	215,4	254,4	N.A.
Total Heating Power (20% A.E.)	124,2	134,3	157,4	184,8	194,9	211,5	242,5	274,3	N.A.
Total Refrigerant Power (60% A.E.)	130,3	142,0	172,4	191,1	210,1	220,6	247,4	287,3	N.A.
Total Heating Power (60% A.E.)	142,8	155,0	180,5	212,3	225,2	240,7	274,3	315,0	N.A.
Nominal air flow (m3/h)	15400	17700	19800	22700	23500	24900	28600	31900	N.A.
Max. Available Static Pressure (Pa)	590	430	220	610	570	510	290	100	N.A.
Compressor type	Scroll								N.A.
Nº compressors / circuits	1 / 1								N.A.

N.A. Not Available (under development)

DROPLET SEPARATOR IN INTERNAL AIR COIL

Air flow from which it is recommended the droplet separator installation:

Model	1039	1041	1044	1045	2050	2060	3070	3080	4090
Air flow (m3/h)	10190	10190	10190	10190	14570	14570	17480	17480	21920
Model	4095	4100	5120	7135	5140	5150	6170	9200	7230
Air flow (m3/h)	21920	21920	29630	35550	35550	35550	35550	41480	41480

ELECTRICAL POWER OPTIONS

The standard version's operating voltage is 380-400V/3/50Hz + neutral. Optionally, the systems can be configured with the following voltages of power supply:

2) 200-220V/3/50Hz
3) 380-400V/3/50Hz + neutral.
4) 380-400V/3/50Hz + neutral. (Standard)
6) 208-230V/3/60Hz
7) 380-400V/3/60Hz + neutral.
8) 380-400V/3/60Hz + neutral.
9) 460V/3/60Hz

OPTIONS FOR THE EXTERNAL CIRCUIT

HIGH ENERGY EFFICIENCY (HEE) OPTION

The High Energy Efficiency [HEE] option includes the following available features:

[HEE] High Energy Efficiency external circuit coil design. Ventilation motors with EC technology.

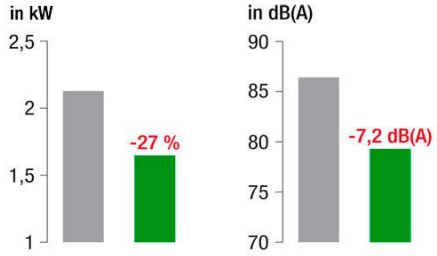
[EXV] Electronic Expansion Valve in the refrigerant circuits.

[MSC] Multi-scroll. Systems with several scroll compressors, for a better power partialization and a better seasonal performance.

[FRC] Free-cooling with several control strategies, thermal free-cooling, enthalpy or hybrid, for maximum energy savings. Depending on the type of strategy, two or three gates are available.

HELICAL ELECTRONIC FAN WITH EC TECHNOLOGY

Model	1039	1041	1044	1045	2050	2060	3070	3080	4090
External Air Flow (m3/h)	20000	20000	20000	20000	25000	24000	26000	26000	36000
Max. Available Static Pressure (Pa)	80				150		170		100
No. fans	1				2				
Diameter (mm)	1x800				2x800				
Power (kW)	1x2,2				2x2,2				
Max. Speed (r.p.m.)	1000								
Max. Absorbed Current (A)	3,4				6,8				
Model	4095	4100	5120	5135	5140	5150	6170	6200	7230
External Air Flow (m3/h)	36000	36000	39000	44000	56000	56000	56000	76000	76000
Max. Available Static Pressure (Pa)	100		80	170			90		
No. Fans	2				4				
Diameter (mm)	2x800				4x800				
Power (kW)	2x2,2				4x2,2				
Max. Speed (r.p.m.)	1000								
Max. Absorbed Current (A)	6,8				13,6				



ACOUSTIC ATTENUATION SYSTEM AXITOP®

The acoustic attenuation system AXITOP® is available as an accessory factory installed or in kit form, for these installations that require efficient but silent functioning. AXITOP provides a diffusion effect that reduces the noise level to 7 db (A) and increases the fan efficiency by 27%. A 7db reduction is equivalent to dividing the acoustic power over four times, making it the ideal, efficient and economical solution for installations where noise is a fundamental design parameter and it cannot be compromised efficiency and capacity.

CHARACTERISTICS RELATED TO NOISE AND EXTERNAL FANS

The following list includes all options of different fans which can be considered according to various optional level which can be related to the external circuit coil. For this type of applications, please ask your sales contact.

HEE High Energy Efficiency:	*It includes EC motors in the fans.*
Low Noise Level by Acoustic Attenuation System:	*Acoustic Attenuation System* Axitop over the fan (Increases the height of the unit, reduces the noise level in 7dbA)
HEE + Acoustic Attenuation System:	It includes Axitop and EC motor in fan (increases the height of the unit).
Economical Low Noise Level:	AC reduced fan (performances can be reduced).
Climatic Resistance:	AC fan increased in size.
HEE + Climatic Resistance:	EC fan increased in size.
HEE Centrifugal:	EC Radial fan to drive air.

ENERGETIC RECOVERY OPTIONALS

Assembly optionals include different options related to energetic efficiency:

[DER] Dynamic Energy Recovery. Refrigerant recovery by subcooler. Increase 15% the unit power, without additional compressor. Available in one compressor units. Ask for available options.

[AER] Active Energy Recovery, by compressor group and EC fan. The standard recovery is optimal for a 20% of extraction air. The compressor power allows recover energy in a efficient way between 20% and 60% of air extraction. (See tables)

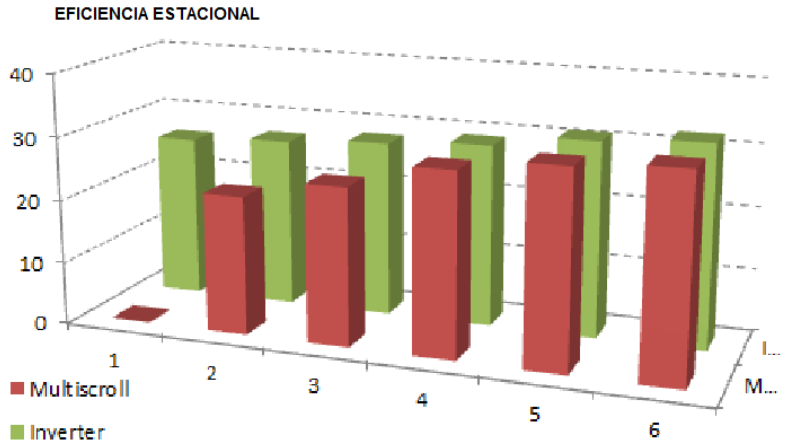
[AERH] Active Energy Recovery HighPower, by a compressor group and EC fan. Enhanced active recovery is optimal for a 60% of extraction air flow. The compressor power allows recover energy in a efficient way between 60% and 100% of air extraction. (See tables)

[AER+] Active Energy Recovery + Digital Scroll, Active energy recover by a compressor group with Digital Scroll technoly and EC fan.

[ERH] Energy Recovery Heat exchanger, Energy recover by extraction air heat recover exchanger.

[ACS] Partial condensation energy recovery. Includes a desuperheater heat exchanger for sanitary hot wáter heat recovery.

[MSC] Multiscroll refrigerant circuit. Available option in series 2000 and 3000, with refrigerant circuit with two compressors in tándem, for increasing the seasonal energetic efficiency. Ask for available options.



The multiscroll units seasonal efficiency from four AC scroll compressors is the same as the one of inverter compressors aplication units. This seasonal efficiency becomes higher if the multiscroll is combined with electronic expansion valve and condensation EC fans.

UNIT APPLICATIONS UNDER DIFFERENT CLIMATIC CONDITIONS

[High Temperature Resistance] High outdoor temperature (up to 52ºC). It has the following features:

- Forced ventilation in the electric panel as standard**.**
- Design of electric equipment as standard for high temperature.
- Enhanced fans in option (check availability depending on the model).

[Low Temperature Resistance] Low outdoor temperature. The following features can be installed in the unit optionally:

- Antifreeze electrical resistance in electric panel.
- Antifreeze electrical resistance in plate exchanger in case of condensation of water or plates exchangers of sanitary hot water recovery.
- Electric resistance in external condensate pan for low temperatures.

CLIMATE PROTECTION FOR EXTERNAL BATTERY

- **COPPERFIN™:** Condensing battery of copper tube and copper fins (coastal protection) and high resistance aluminium alloy framework.
- **ALUCOAST™:** Condensing battery of copper tube and fins of high resistance marine aluminium (coastal protection), with aluminium alloy framework.
- **PAINTCOAST™:** Condensing battery of copper tube and post-lacquered with oven cured epoxy aluminium fins (chemical protection).
- **BLYGOLD®:** Condensing battery of copper tube and aluminium fins, coated with post-lacquered Blygold Polual (coastal protection).
- **BLUECOAST™:** Condensing battery of copper tube and aluminium fins, pre-lacquered with hydrophilic or hydrophobic blue polyurethane (basic protection).

HOT WATER SUPPORT COIL. OPERATION DATA.

Model	Internal flow (m3/h)	Hot water support coil	Air inlet temp. 20 (ºC)			Air inlet temp. 20 (ºC)			Air inlet temp. 20 (ºC)		
			Water (50-40)(ºC)			Water (50-30)(ºC)			Water (60-40)(ºC)		
		(Pa)	Heating power (kW)	Water flow (m3/h)	Water load loss (mca)	Heating power (kW)	Water flow (m3/h)	Water load loss (mca)	Heating power (kW)	Water flow (m3/h)	Water load loss (mca)
KCR0017	**3300**	28.5	14.3	1.2	0.4	6.1	0.3	0.1	14.7	0.6	0.1
KCR0020	**3700**	30.0	16.6	1.4	0.4	7.1	0.3	0.1	17.1	0.7	0.1
KCR0022	**4000**	31.0	18.1	1.5	0.5	7.7	0.3	0.1	18.5	0.8	0.2
KCR0026	**4600**	28.0	22.5	1.9	0.4	9.6	0.4	0.1	23.1	1.0	0.1
KCR0030	**5100**	29.0	24.4	2.0	0.4	10.4	0.4	0.1	25.0	1.1	0.1
KCR0035	**6000**	29.5	28.0	2.3	0.5	11.9	0.5	0.1	28.7	1.2	0.2
KCR0039	**6800**	30.5	31.4	2.6	0.6	13.3	0.6	0.1	32.2	1.4	0.2
KCR0044	**7800**	29.5	31.8	2.6	0.6	13.5	0.6	0.1	32.6	1.4	0.2
KCR1039/41	**6800**	30.2	32.0	2.7	0.3	13.6	0.6	0.1	32.8	1.4	0.1
KCR1044/45	**7400**	33.5	33.8	2.8	0.3	14.3	0.6	0.1	34.6	1.5	0.1
KCR2050	**8900**	26.8	37.8	3.2	0.4	16.1	0.7	0.1	38.8	1.7	0.1
KCR2060	**10300**	33.5	42.6	3.5	0.5	18.1	0.8	0.1	43.7	1.8	0.1
KCR3070	**12000**	33.5	51.1	4.3	0.3	21.7	0.9	0.1	52.4	2.3	0.1
KCR3080	**13300**	36.9	54.5	4.6	0.4	23.2	1.0	0.1	55.9	2.4	0.1
KCR4090	**15400**	33.5	67.2	5.7	0.6	28.5	1.3	0.1	68.8	3.0	0.2
KCR4095	**15400**	33.5	67.2	5.7	0.6	28.5	1.3	0.1	68.8	3.0	0.2
KCR4100	**17700**	40.2	73.0	6.2	0.7	31.0	1.4	0.1	74.8	3.3	0.2
KCR5120	**19800**	30.8	77.4	6.7	0.5	32.9	1.5	0.1	79.3	3.5	0.1
KCR5135	**22700**	28.8	93.9	7.8	0.3	39.9	1.7	0.1	96.3	4.1	0.1
KCR5140	**23500**	30.8	96.8	8.3	0.4	41.1	1.8	0.1	99.3	4.3	0.1
KCR5150	**24900**	33.5	99.5	8.8	0.4	42.3	1.9	0.1	102.0	4.6	0.1
KCR6170	**28600**	40.0	108.4	9.2	0.4	46.0	2.0	0.1	111.1	4.9	0.1
KCR6200	**31900**	35.0	115.8	9.9	0.5	49.2	2.2	0.1	118.7	5.2	0.1
KCR6230	**35500**	30.8	121.9	10.1	0.4	51.8	2.2	0.1	125.0	5.3	0.1
KCR7230	**36000**	33.5	124.4	10.3	0.4	52.8	2.3	0.1	127.5	5.4	0.1
KCR7260	**39000**	36.5	145.9	12.1	0.4	62.0	2.7	0.1	149.5	6.4	0.1
KCR7300	**42500**	37.5	143.8	12.3	0.8	61.1	2.7	0.1	147.4	6.5	0.2

Model	Internal flow (m3/h)	Hot water support coil	Air inlet temp. 20 (ºC)			Air inlet temp. 20 (ºC)			Air inlet temp. 20 (ºC)		
			Water (70-50)(ºC)			Water (80-60)(ºC)			Water (90-70)(ºC)		
		(Pa)	Heating power (kW)	Water flow (m3/h)	Water load loss (mca)	Heating power (kW)	Water flow (m3/h)	Water load loss (mca)	Heating power (kW)	Water flow (m3/h)	Water load loss (mca)
KCR0017	**3300**	28.5	22.1	0.9	0.3	29.4	1.3	0.4	36.7	1.6	0.6
KCR0020	**3700**	30.0	25.7	1.1	0.3	34.2	1.5	0.4	42.7	1.8	0.6
KCR0022	**4000**	31.0	27.9	1.2	0.4	37.1	1.6	0.5	46.3	2.0	0.8
KCR0026	**4600**	28.0	34.8	1.5	0.3	46.3	2.0	0.4	57.8	2.5	0.6
KCR0030	**5100**	29.0	37.7	1.6	0.3	50.1	2.2	0.4	62.5	2.7	0.6
KCR0035	**6000**	29.5	43.4	1.9	0.4	57.6	2.5	0.5	71.9	3.1	0.8
KCR0039	**6800**	30.5	48.5	2.1	0.5	64.5	2.8	0.6	80.5	3.5	0.9
KCR0044	**7800**	29.5	49.2	2.1	0.5	65.4	2.8	0.6	81.6	3.5	0.9
KCR1039/41	**6800**	30.2	49.5	2.2	0.2	65.8	2.9	0.3	82.1	3.6	0.5
KCR1044/45	**7400**	33.5	52.2	2.2	0.2	69.4	3.0	0.3	86.6	3.7	0.5
KCR2050	**8900**	26.8	58.5	2.5	0.3	77.7	3.4	0.4	96.9	4.3	0.6
KCR2060	**10300**	33.5	65.9	2.8	0.3	87.6	3.7	0.5	109.3	4.6	0.7
KCR3070	**12000**	33.5	79.0	3.4	0.2	105.0	4.6	0.3	131.0	5.8	0.5
KCR3080	**13300**	36.9	84.3	3.7	0.3	112.0	4.9	0.4	139.7	6.1	0.6
KCR4090	**15400**	33.5	103.9	4.6	0.5	138.0	6.1	0.6	172.2	7.6	0.9
KCR4095	**15400**	33.5	103.9	4.6	0.5	138.0	6.1	0.6	172.2	7.6	0.9
KCR4100	**17700**	40.2	112.9	4.9	0.5	150.0	6.6	0.7	187.2	8.3	1.1
KCR5120	**19800**	30.8	119.7	5.3	0.3	159.0	7.1	0.5	198.4	8.9	0.7
KCR5135	**22700**	28.8	145.3	6.2	0.2	193.0	8.3	0.3	240.8	10.4	0.5
KCR5140	**23500**	30.8	149.8	6.6	0.3	199.0	8.8	0.4	248.3	11.0	0.5
KCR5150	**24900**	33.5	153.8	7.0	0.3	204.4	9.4	0.4	255.0	11.8	0.6
KCR6170	**28600**	40.0	167.6	7.4	0.3	222.7	9.9	0.4	277.9	12.3	0.6
KCR6200	**31900**	35.0	179.0	7.9	0.4	237.9	10.5	0.5	296.8	13.1	0.7
KCR6230	**35500**	30.8	188.5	8.1	0.3	250.5	10.8	0.4	312.6	13.5	0.5
KCR7230	**36000**	33.5	192.4	8.2	0.3	255.6	11.0	0.4	318.9	13.8	0.6
KCR7260	**39000**	36.5	225.6	9.7	0.3	299.8	12.9	0.4	374.1	16.2	0.5
KCR7300	**42500**	37.5	222.4	9.8	0.6	341.5	14.7	0.8	368.7	16.4	1.2

Model	Internal flow (m3/h)	Hot water support coil (Pa)	Air inlet temp. 25 (ºC) Water (50-40)(ºC)			Air inlet temp. 25 (ºC) Water (50-30)(ºC)			Air inlet temp. 25 (ºC) Water (60-40)(ºC)		
			Heating power (kW)	Water flow (m3/h)	Water load loss (mca)	Heating power (kW)	Water flow (m3/h)	Water load loss (mca)	Heating power (kW)	Water flow (m3/h)	Water load loss (mca)
KCR0017	**3300**	28.5	10.8	0.9	0.2	3.1	0.1	0.1	10.8	0.5	0.1
KCR0020	**3700**	30.0	12.5	1.1	0.2	3.6	0.2	0.1	12.6	0.5	0.1
KCR0022	**4000**	31.0	13.6	1.2	0.3	3.9	0.2	0.1	13.6	0.6	0.1
KCR0026	**4600**	28.0	17.0	1.4	0.2	4.9	0.2	0.1	17.0	0.7	0.1
KCR0030	**5100**	29.0	18.3	1.6	0.2	5.3	0.2	0.1	18.4	0.8	0.1
KCR0035	**6000**	29.5	21.1	1.8	0.3	6.1	0.3	0.1	21.2	0.9	0.1
KCR0039	**6800**	30.5	23.6	2.0	0.4	6.8	0.3	0.1	23.7	1.0	0.1
KCR0044	**7800**	29.5	23.9	2.0	0.4	6.9	0.3	0.1	24.1	1.0	0.1
KCR1039/41	**6800**	30.2	24.1	2.1	0.2	7.0	0.3	0.1	24.2	1.1	0.1
KCR1044/45	**7400**	33.5	25.4	2.2	0.2	7.4	0.3	0.1	25.5	1.1	0.1
KCR2050	**8900**	26.8	28.5	2.5	0.2	8.2	0.4	0.1	28.6	1.2	0.1
KCR2060	**10300**	33.5	32.1	2.7	0.3	9.3	0.4	0.1	32.2	1.4	0.1
KCR3070	**12000**	33.5	38.4	3.3	0.2	11.1	0.5	0.1	38.6	1.7	0.1
KCR3080	**13300**	36.9	41.0	3.5	0.2	11.9	0.5	0.1	41.2	1.8	0.1
KCR4090	**15400**	33.5	50.5	4.4	0.4	14.6	0.7	0.1	50.8	2.2	0.1
KCR4095	**15400**	33.5	50.5	4.4	0.4	14.6	0.7	0.1	50.8	2.2	0.1
KCR4100	**17700**	40.2	54.9	4.8	0.4	15.9	0.7	0.1	55.2	2.4	0.1
KCR5120	**19800**	30.8	58.2	5.1	0.3	16.9	0.8	0.1	58.5	2.6	0.1
KCR5135	**22700**	28.8	70.7	6.0	0.2	20.5	0.9	0.1	71.0	3.0	0.1
KCR5140	**23500**	30.8	72.9	6.4	0.2	21.1	0.9	0.1	73.2	3.2	0.1
KCR5150	**24900**	33.5	74.8	6.8	0.2	21.7	1.0	0.1	75.2	3.4	0.1
KCR6170	**28600**	40.0	81.5	7.1	0.3	23.6	1.1	0.1	81.9	3.6	0.1
KCR6200	**31900**	35.0	87.1	7.6	0.3	25.2	1.1	0.1	87.5	3.8	0.1
KCR6230	**35500**	30.8	91.7	7.8	0.2	26.6	1.2	0.1	92.1	4.0	0.1
KCR7230	**36000**	33.5	93.6	7.9	0.2	27.1	1.2	0.1	94.0	4.0	0.1
KCR7260	**39000**	36.5	109.8	9.3	0.2	31.8	1.4	0.1	110.3	4.7	0.1
KCR7300	**42500**	37.5	108.2	9.5	0.5	31.3	1.4	0.1	108.7	4.8	0.1

Model	Internal flow (m3/h)	Hot water support coil	Air inlet temp. 25 (ºC)			Air inlet temp. 25 (ºC)			Air inlet temp. 25 (ºC)		
			Water (70-50)(ºC)			Water (80-60)(ºC)			Water (90-70)(ºC)		
		(Pa)	Heating power (kW)	Caudal de agua (m3/h)	Water load loss (mca)	Heating power (kW)	Caudal de agua (m3/h)	Water load loss (mca)	Heating power (kW)	Caudal de agua (m3/h)	Water load loss (mca)
KCR0017	**3300**	28.5	18.5	0.8	0.2	25.7	1.1	0.3	32.9	1.4	0.5
KCR0020	**3700**	30.0	21.5	0.9	0.2	29.9	1.3	0.3	38.3	1.7	0.5
KCR0022	**4000**	31.0	23.3	1.0	0.2	32.4	1.4	0.4	41.5	1.8	0.6
KCR0026	**4600**	28.0	29.1	1.2	0.2	40.5	1.7	0.3	51.8	2.2	0.5
KCR0030	**5100**	29.0	31.5	1.3	0.2	43.8	1.9	0.3	56.1	2.4	0.5
KCR0035	**6000**	29.5	36.2	1.5	0.2	50.3	2.2	0.4	64.5	2.8	0.6
KCR0039	**6800**	30.5	40.6	1.7	0.3	56.4	2.4	0.5	72.2	3.1	0.8
KCR0044	**7800**	29.5	41.1	1.8	0.3	57.2	2.5	0.5	73.2	3.2	0.8
KCR1039/41	**6800**	30.2	41.4	1.8	0.1	57.5	2.5	0.2	73.6	3.3	0.4
KCR1044/45	**7400**	33.5	43.6	1.9	0.1	60.7	2.6	0.2	77.7	3.4	0.4
KCR2050	**8900**	26.8	48.9	2.1	0.2	67.9	3.0	0.3	87.0	3.8	0.5
KCR2060	**10300**	33.5	55.1	2.3	0.2	76.6	3.2	0.4	98.0	4.2	0.6
KCR3070	**12000**	33.5	66.0	2.9	0.1	91.8	4.0	0.2	117.5	5.2	0.4
KCR3080	**13300**	36.9	70.4	3.1	0.2	97.9	4.3	0.3	125.3	5.5	0.5
KCR4090	**15400**	33.5	86.8	3.8	0.3	120.6	5.3	0.5	154.4	6.8	0.8
KCR4095	**15400**	33.5	86.8	3.8	0.3	120.6	5.3	0.5	154.4	6.8	0.8
KCR4100	**17700**	40.2	94.3	4.1	0.3	131.1	5.7	0.6	167.9	7.4	0.9
KCR5120	**19800**	30.8	100.0	4.4	0.2	139.0	6.2	0.4	177.9	8.0	0.6
KCR5135	**22700**	28.8	121.4	5.2	0.1	168.7	7.2	0.2	216.0	9.3	0.4
KCR5140	**23500**	30.8	125.1	5.5	0.2	173.9	7.7	0.3	222.7	9.9	0.4
KCR5150	**24900**	33.5	128.5	5.9	0.2	178.7	8.2	0.3	228.7	10.5	0.5
KCR6170	**28600**	40.0	140.0	6.2	0.2	194.7	8.6	0.3	249.2	11.1	0.5
KCR6200	**31900**	35.0	149.6	6.6	0.2	208.0	9.1	0.4	266.2	11.8	0.6
KCR6230	**35500**	30.8	157.5	6.7	0.2	219.0	9.4	0.3	280.3	12.1	0.4
KCR7230	**36000**	33.5	160.7	6.9	0.2	223.4	9.6	0.3	286.0	12.4	0.5
KCR7260	**39000**	36.5	188.5	8.1	0.2	262.1	11.2	0.3	335.5	14.5	0.4
KCR7300	**42500**	37.5	185.8	8.2	0.4	258.3	11.4	0.6	330.7	14.7	1.0

ELECTRONIC CONTROL

The electronic control Reznor CLIMANAGER^{TM} is specifically developed for the air-to-air Reznor units management.

The human-machine interface is made by the following suitable CAREL brand terminals:

Terminal connector connection/pLan

- Grafic display PLDPRO
- Grafic display family PGD1: remote up to 50m installation, higher distances with 2 TCONN cards and shielded cable up to 200 m and upper include power supply.

MODBUS connection

- Enviroment THT terminal (th-Tune).
- Touch display family PGD Touch: remote up to 500 m and 15 machines installation.

SAFETY, TRANSPORT AND ELEVATION RECOMMENDATIONS

HANDLING AND TRANSPORT

The unit must be handled carefully to prevent damage during transport. Please note the following instructions:

Always carry and operate the equipment in its vertical position.
Never stack the equipment during transport.
To move the unit uses a forklift or hand pallet.
Do not remove the pallet until the machine is in its final location.

To facilitate the equipment rising by crane, the unit has two holes in each of the four lower corners for the anchoring with slings. It must be used fabric slings with rings, separated by a brace to prevent deterioration of the unit body.
Units to series 4000 are shipped on a wooden pallet. All machines are shipped properly packed and protected. Accessories and technical documentation are inside of the units.

SAFETY RECOMMENDATIONS

To prevent accidents during installation, implementation or maintenance, is required to take into consideration the following specifications. The implementation of the equipment as well as repair and maintenance must be carried out by qualified personnel.

It is mandatory to follow the recommendations and guidelines contained within the maintenance manuals, labels and specific instructions. It is necessary to obey rules and regulations in force.

Before of manipulating the equipment, check that the unit general supply is cut to prevent electric shock.

Refrigerant leaks can cause:

Asphyxiation due to displacement of oxygen in the air in confined work areas and narcotic effect or cardiac arrhythmia by inhalation of refrigerant.
Always ensure proper ventilation in the work area.

To avoid eye irritation and burns from splashing or skin contact:

Wear goggles and safety gloves for work. Always avoid skin contact with the refrigerant and beware of parts or cutting elements of the unit.

In case of accident by inhalation of refrigerant act according to the following instructions:

Remove victim to fresh air. Keep the victim lying down and if the victim is unconscious, place him on the side with the head facing sideways.

When in doubt or symptoms persist, seek medical attention

In case of contact with eyes:

If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes.
Never rub your eyes or skin if you have come in contact with refrigerant and do not allow the patient to tightly shut the eyes. If contact lenses are used, they must be removed.
It is important to get the person to a doctor immediately.

In case of burn by refrigerant skin contact:

> Immediately flush skin with plenty of water for at least 15 minutes, take off all contaminated clothing immediately. Do not cover the affected area with clothes, oil, bandages, etc.

INSTALLATION AND SET-UP

The final location of the unit will determine largely the proper functioning of equipment. For the best performance use the following guidelines:

Upon receiving your unit, please inspect your machine and its components for damage during shipping. Install the unit outdoors and away from heat sources. Before to install the equipment it is important to check that the selected surface has sufficient strength to support the weight of the machine, vibrations and effort that it can transmit. Ensuring the integrity and security of the installation.

Do not obstruct air inlet or outlet spaces of the unit to facilitate the air intake and exhaust flow and avoid as far as possible recirculation of air into the unit.

To ensure proper operation of the equipment and allow access for maintenance, respect the minimum distances recommended.

Install in their location on type silentblock shock absorbers

Make sure the electric panel is in good condition before making the electrical connection, and please follow the guidelines:

Follow the wiring diagram provided by the manufacturer.

Note that models to 400V/III/50Hz have a supply connection to 5 wires, being always the grounding in colour green-yelow.

Install appropriate protective device on the undertaken line, thermomagnetic or thermomagnetic differential. In cases where it is installed more than a machine it must be provided of its own system of protection to each line.
To calculate the section of wires of the supply connection it should be considered electrical data provided in the unit´s nameplate and other factors such as the length of the supply connection, the type of wiring used, etc.; always respecting current regulations for electrical installations.

START-UP

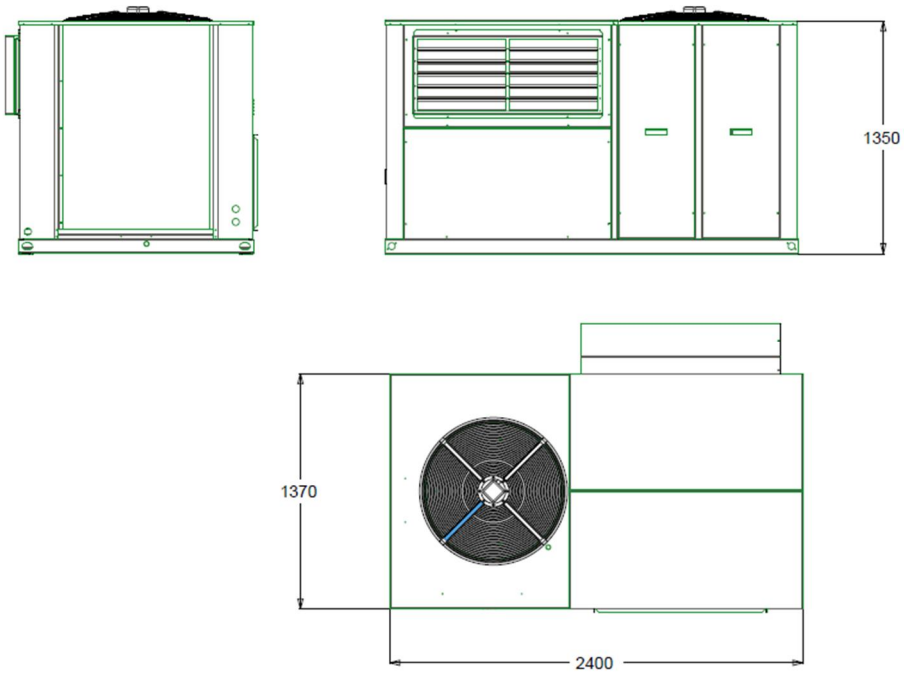
Before starting/using the unit, please make sure all screws are tightened securely and the electrical connections are properly installed. If you have worked inside the machine check that you have not left extraneous objects or tools inside, make sure there are no gas leaks and that both assembly units and hydraulic connections have been made properly.

Before initial startup of the gear unit or after a prolonged standstill period it is recommended to activate the sump resistor twelve hours in advance. If the resistor cannot be enabled early enough, the compressor must be heated otherwise to separate the oil from the refrigerant. This operation is important, especially at low ambient temperatures start-ups.

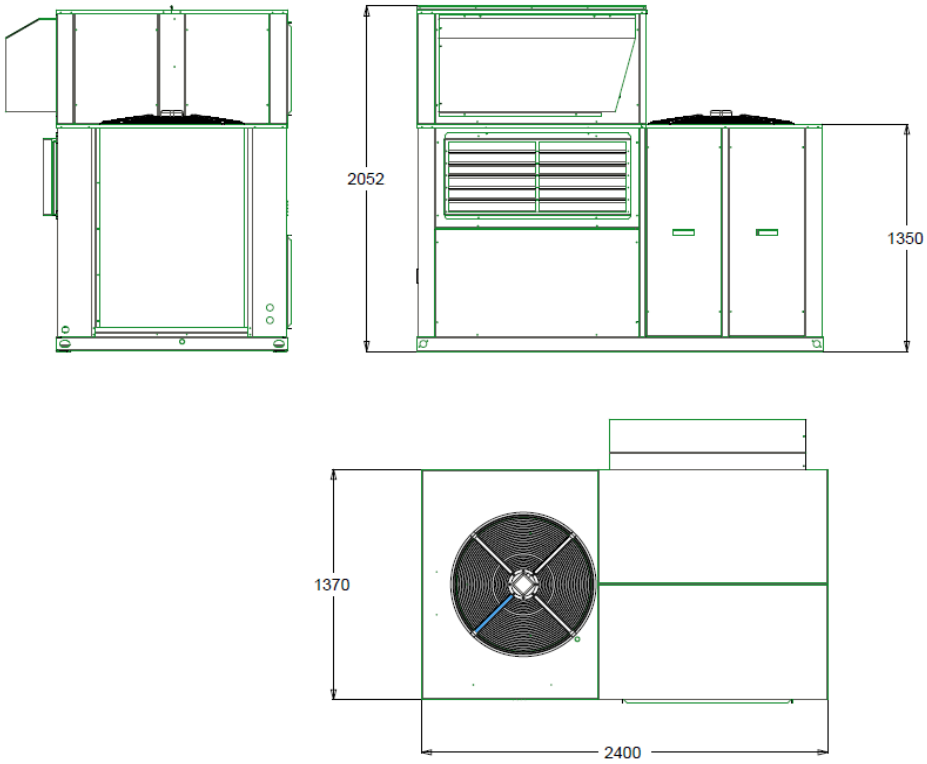
Connect the power supply and turn on the system following the instructions given in annex of regulation. Check subcooling and overheating to verify that the refrigerant charge is appropriate to the operating conditions. After having been working several hours, key system parameter should be verified to be sure that the system is working properly or it is needed to make some adjustment. Compare temperatures of evaporation and condensation with the design conditions. Check security features.

DIMENSION PLANS

SERIES 0000, STANDARD ASSEMBLY WITHOUT UPPER RETURN UNIT

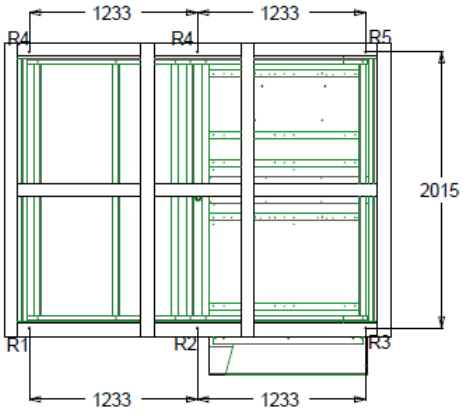


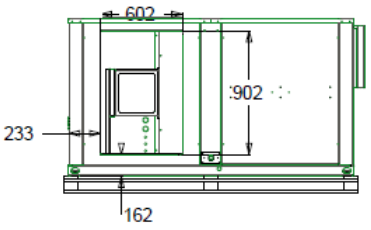
SERIES 0000, STANDARD ASSEMBLY WITHOUT UPPER RETURN UNIT

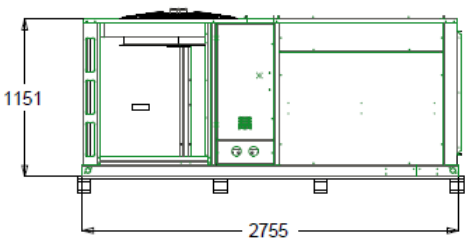


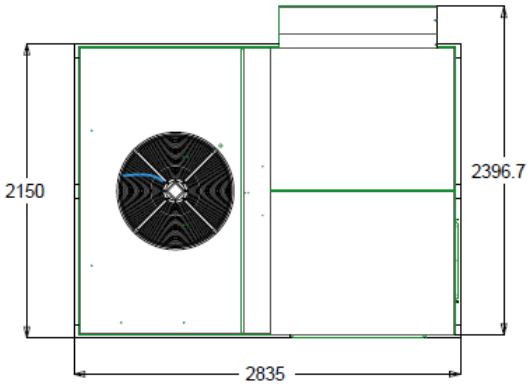
Note. Plan includes transport pallet. Plan with short side supply.

SERIES 1000, STANDARD ASSEMBLY WITHOUT UPPER RETURN UNIT



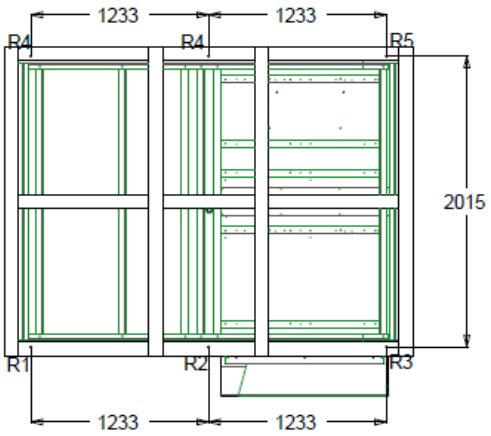


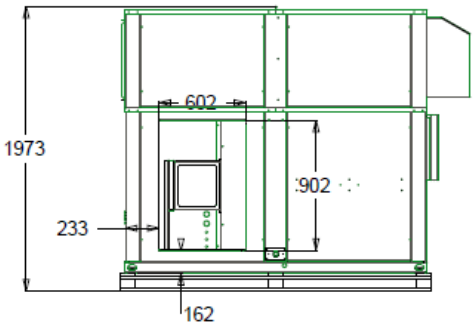


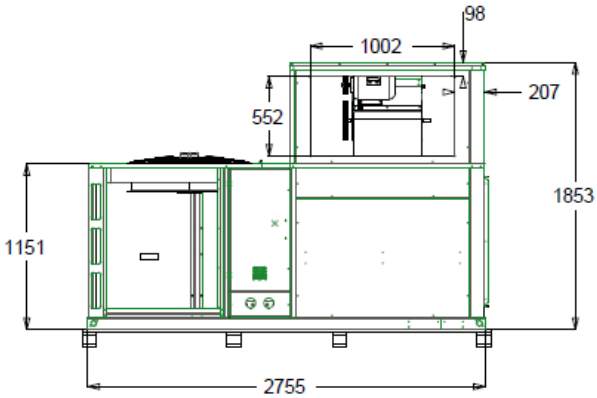


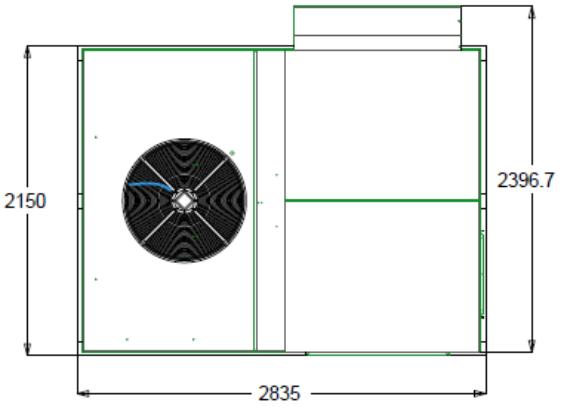
Note. Plan includes transport pallet. Plan with short side supply.

SERIES 1000, STANDARD ASSEMBLY WITH UPPER RETURN UNIT (SF)



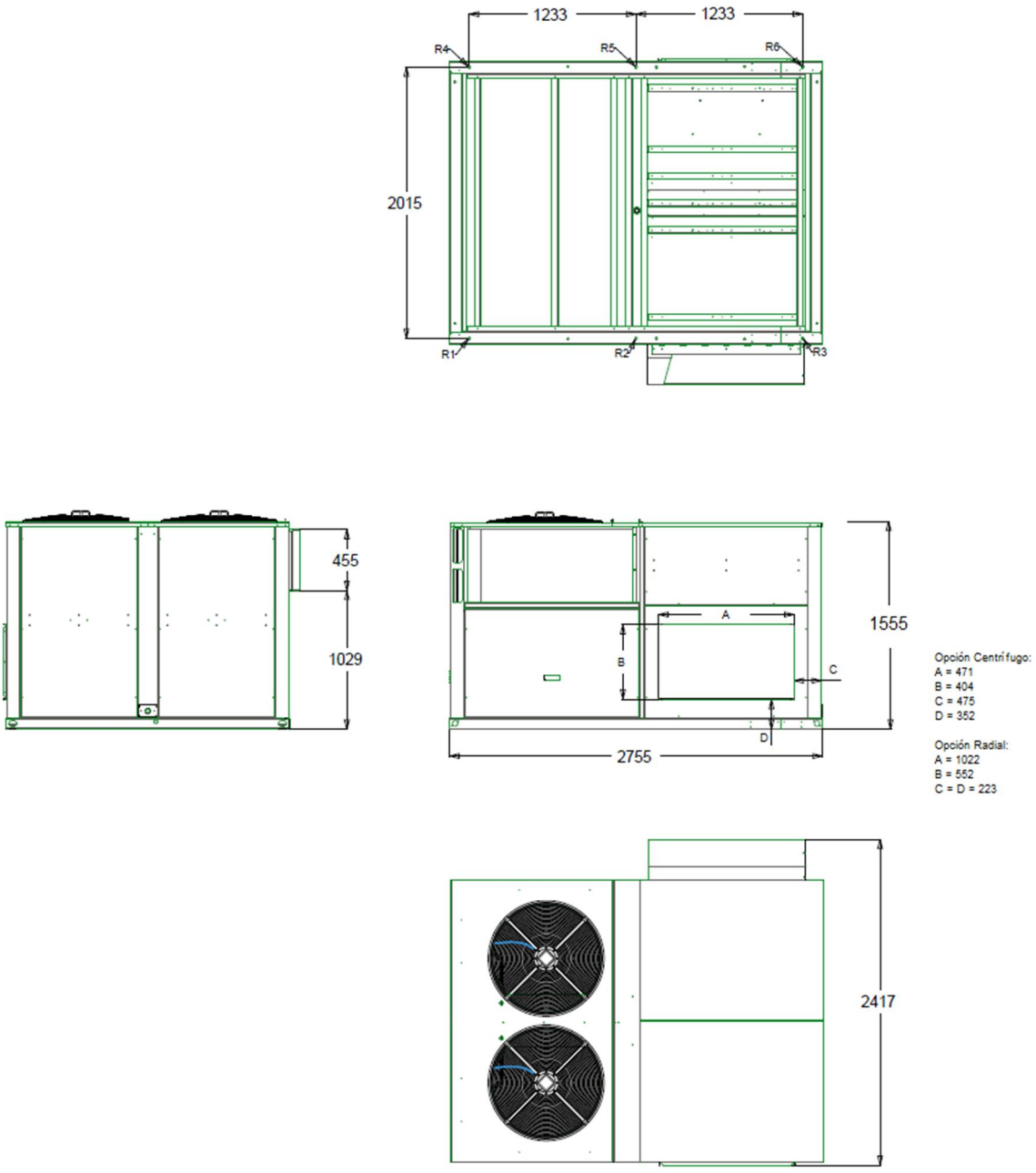






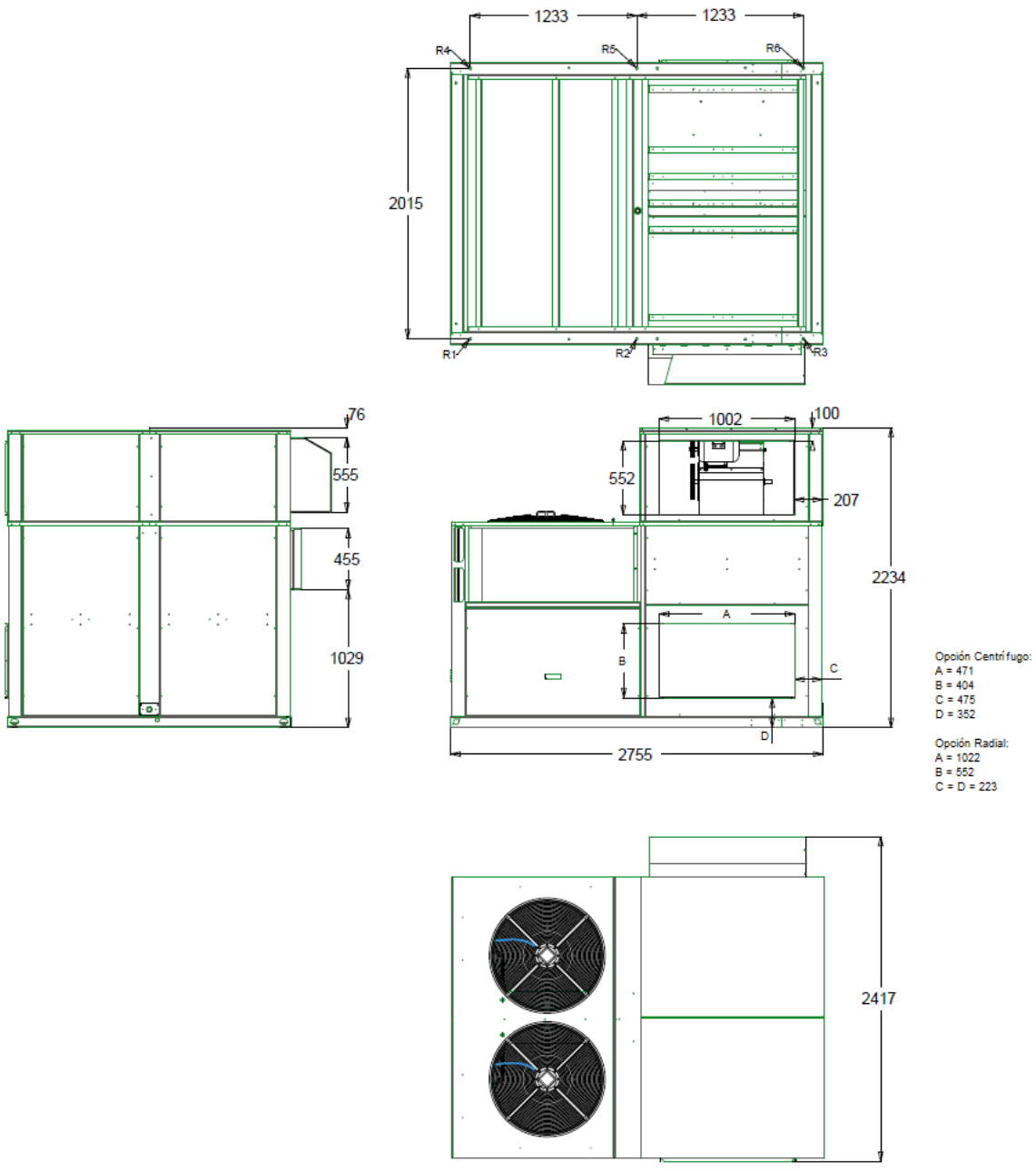
Note. Plan includes transport pallet. Plan with short side supply.

SERIES 2000, STANDARD ASSEMBLY WITHOUT UPPER RETURN UNIT



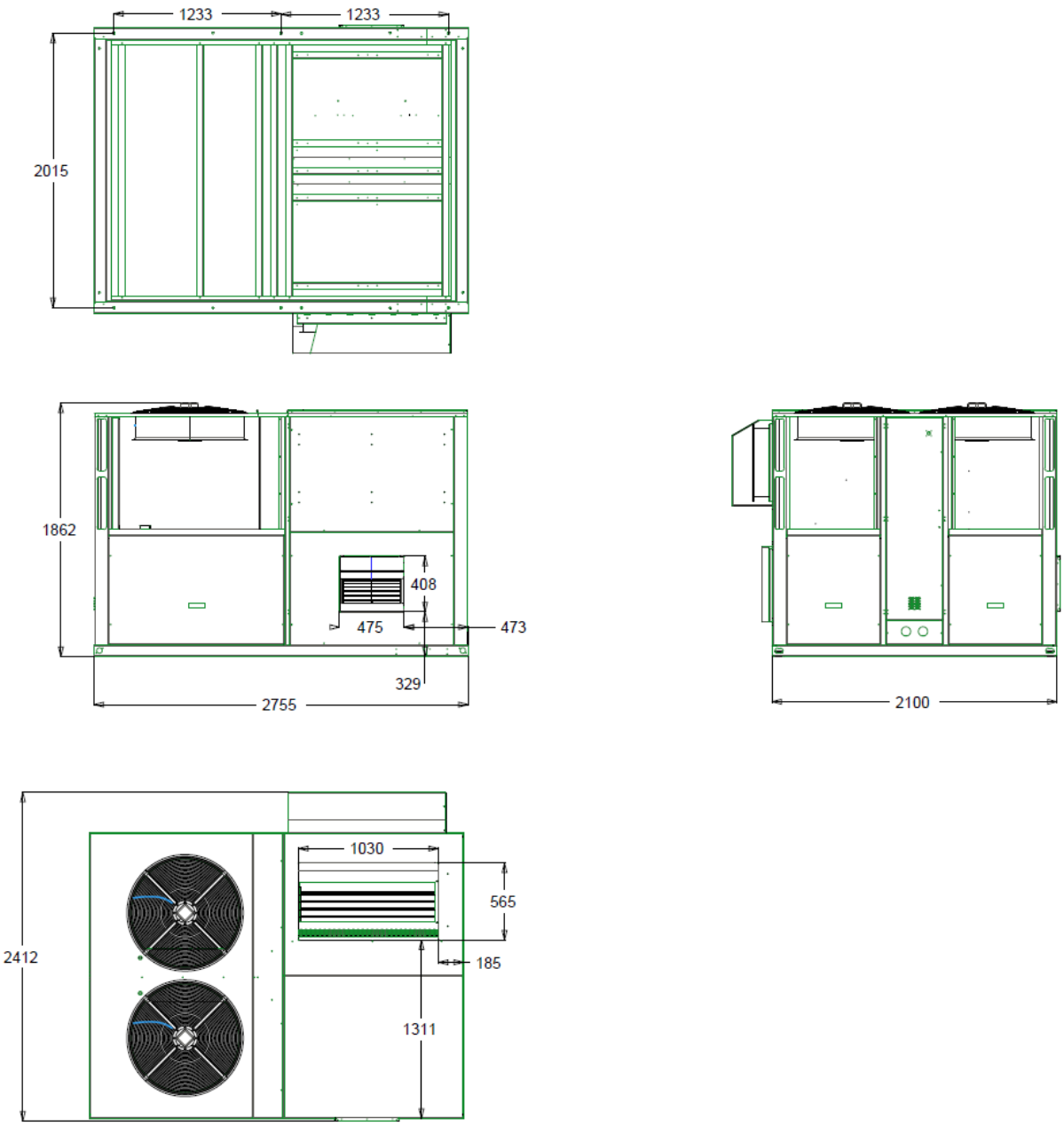
Note. Plan not includes transport pallet. Plan with long side supply, lateral return.

SERIES 2000, STANDARD ASSEMBLY WITH UPPER RETURN UNIT (SF)



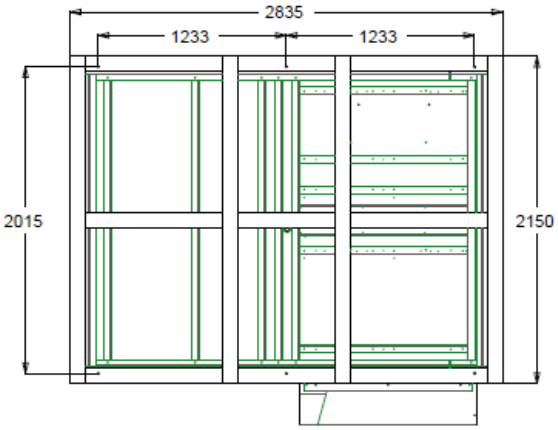
Note. Plan not includes transport pallet. Plan with long side supply.

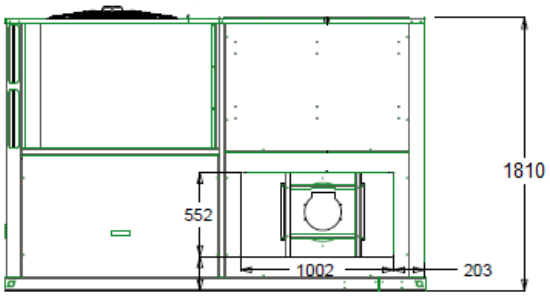
SERIES 3000, STANDARD ASSEMBLY WITHOUT UPPER RETURN UNIT

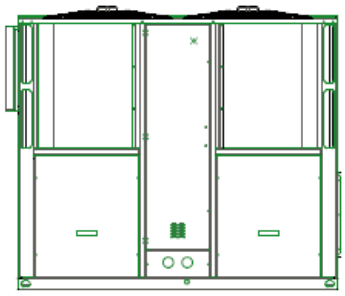


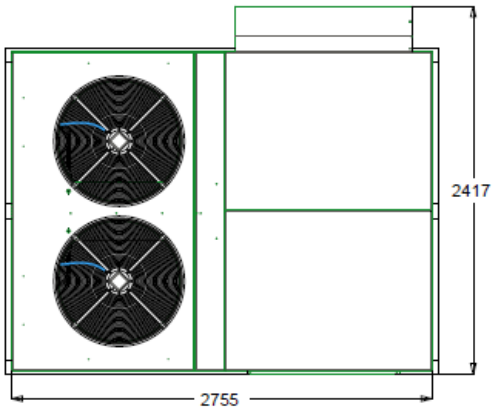
Note. Plan not includes transport pallet. Plan with long side centrifugal supply, upper return.

SERIES 3000, STANDARD ASSEMBLY WITHOUT UPPER RETURN UNIT



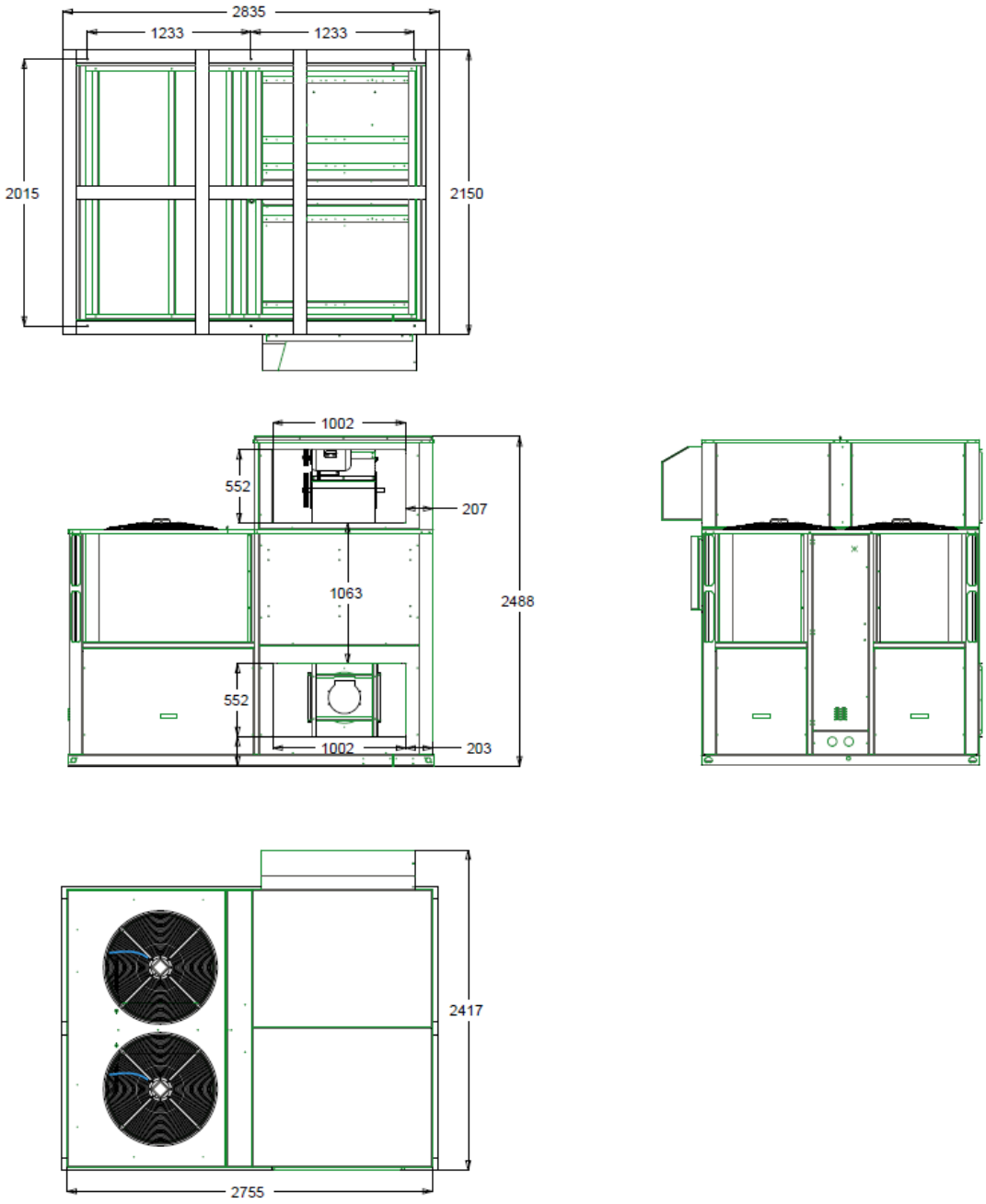






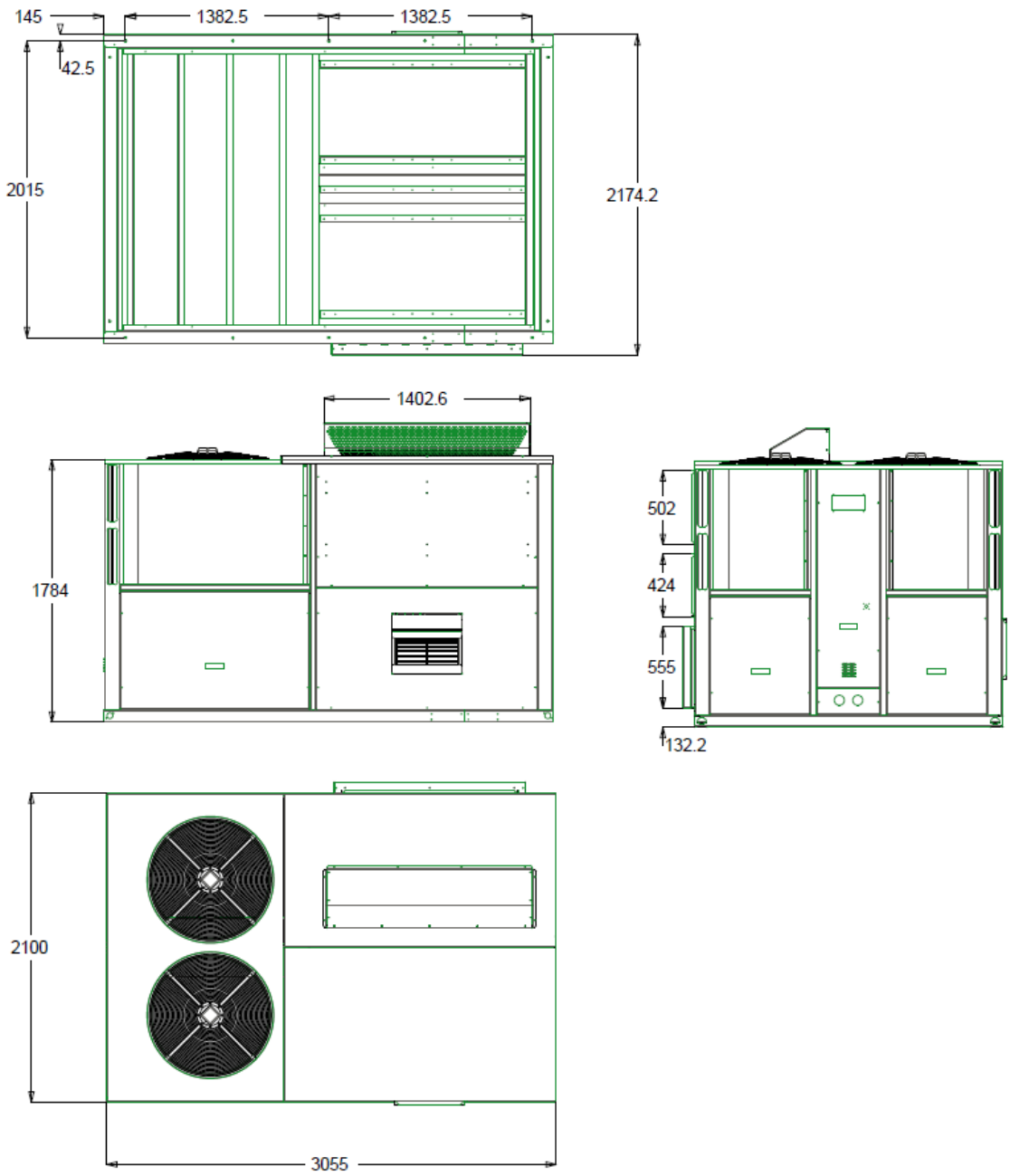
Note. Plan not includes transport pallet. Plan with long side radial supply, lateral return.

SERIES 3000, STANDARD ASSEMBLY WITH UPPER RETURN UNIT (SF)



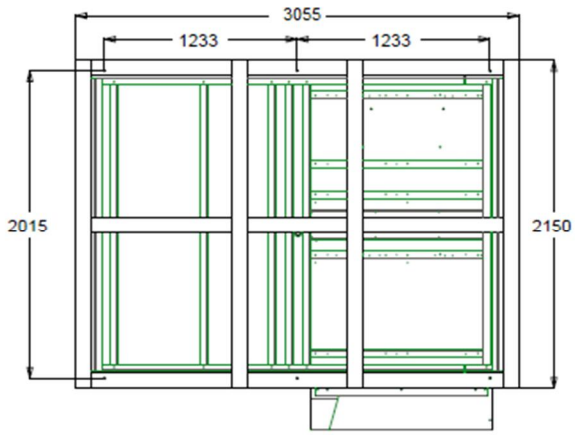
Note. Plan not includes transport pallet. Plan with long side radial supply, lateral return.

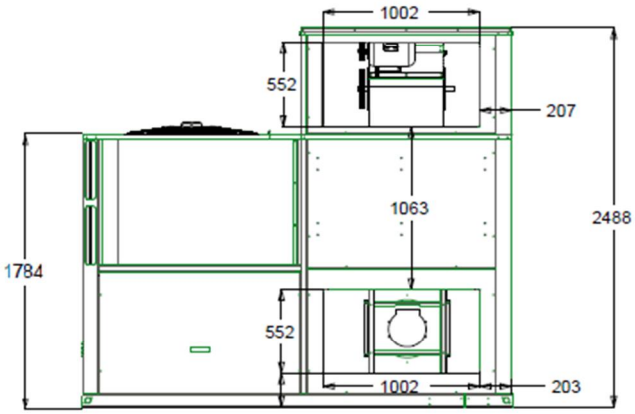
SERIES 4000, STANDARD ASSEMBLY WITHOUT UPPER RETURN UNIT

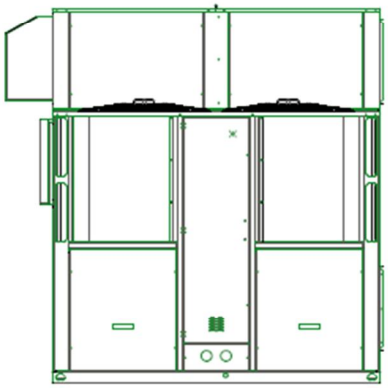


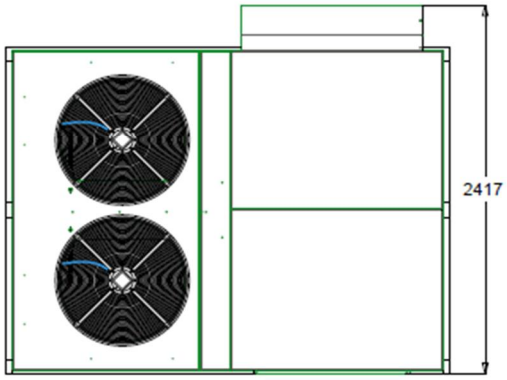
Note. Plan not includes transport pallet. Plan with long side centrifugal supply, upper return.

SERIES 4000, STANDARD ASSEMBLY WITH UPPER RETURN UNIT (SF)



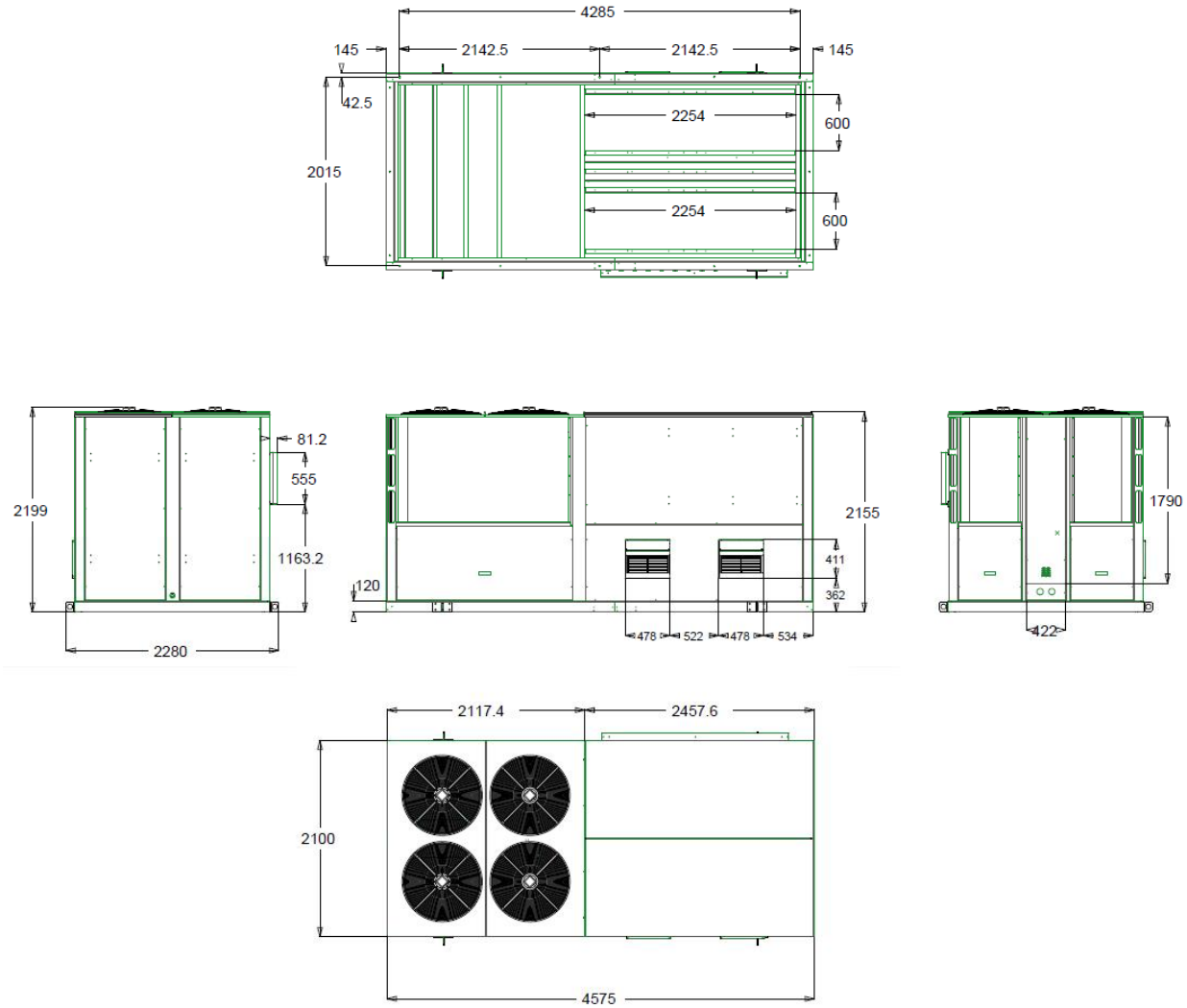






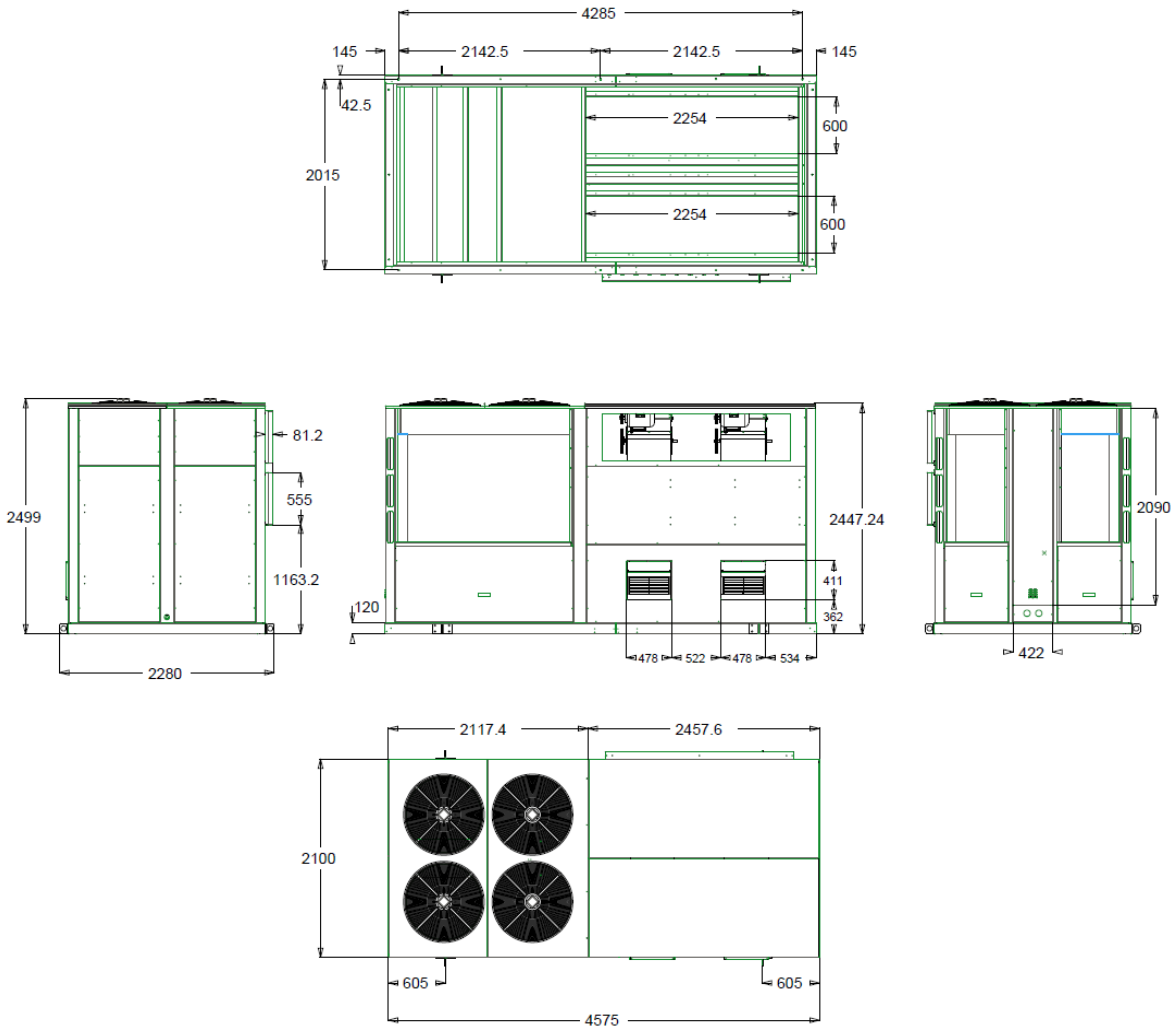
Note. Plan not includes transport pallet. Plan with long side radial supply, lateral return.

SERIES 5000, STANDARD ASSEMBLY WITHOUT UPPER RETURN UNIT



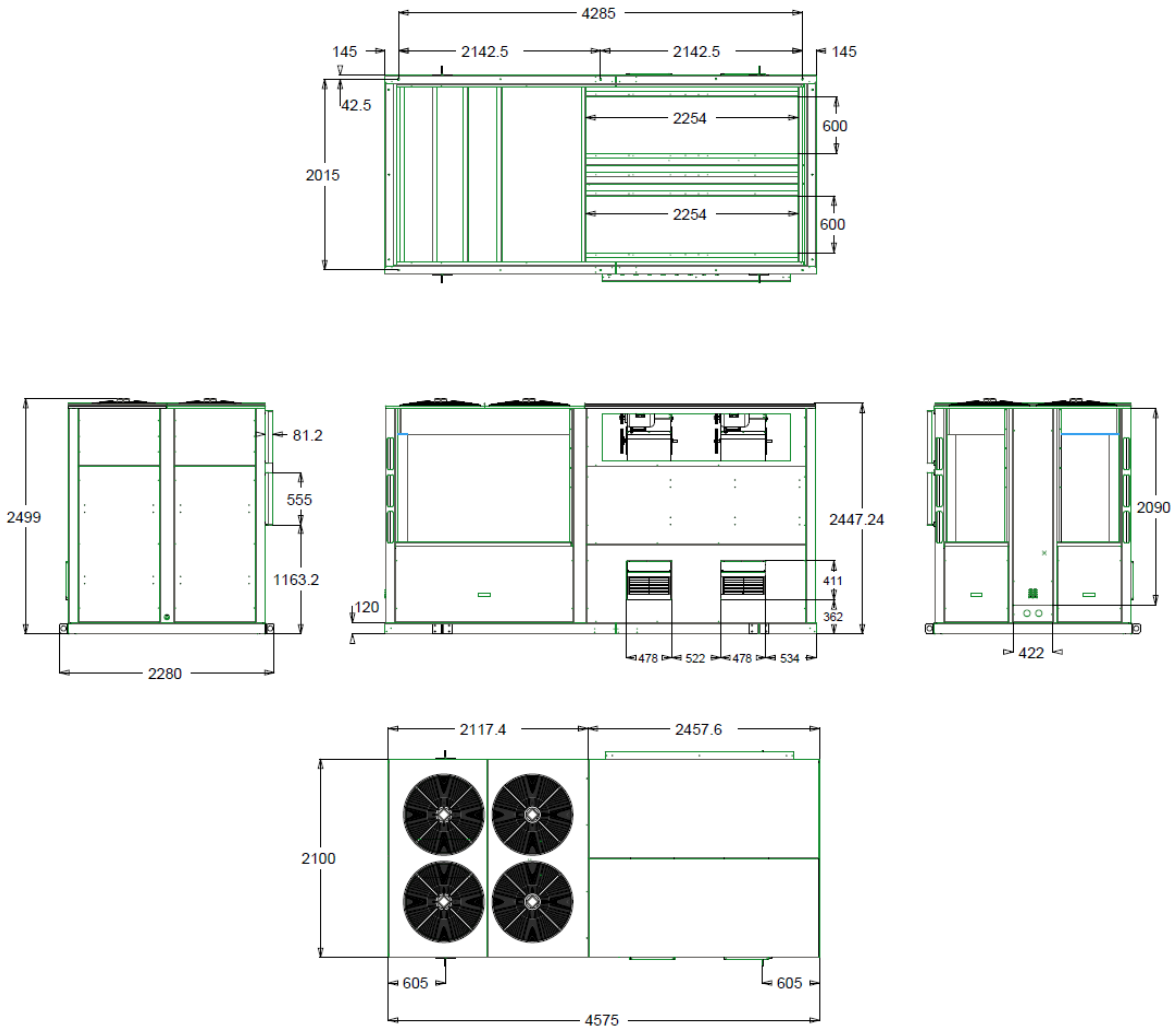
Note. Plan not includes transport pallet. Plan with long side centrifugal supply, lateral return.

SERIES 5000, STANDARD ASSEMBLY WITH UPPER RETURN UNIT (SF)



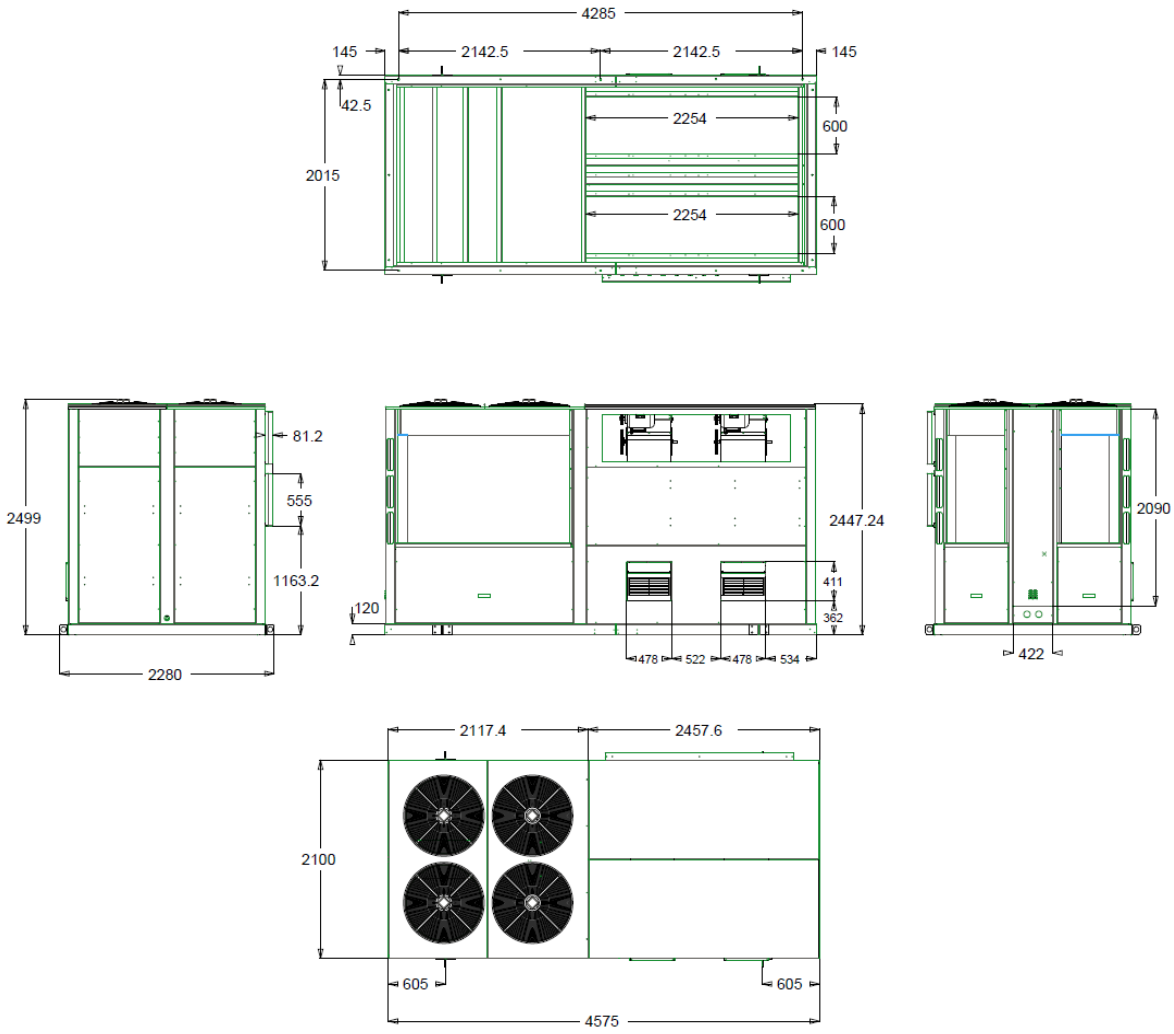
Note. Plan not includes transport pallet. Plan with long side centrifugal supply, lateral return.

SERIES 6000, STANDARD ASSEMBLY WITHOUT UPPER RETURN UNIT



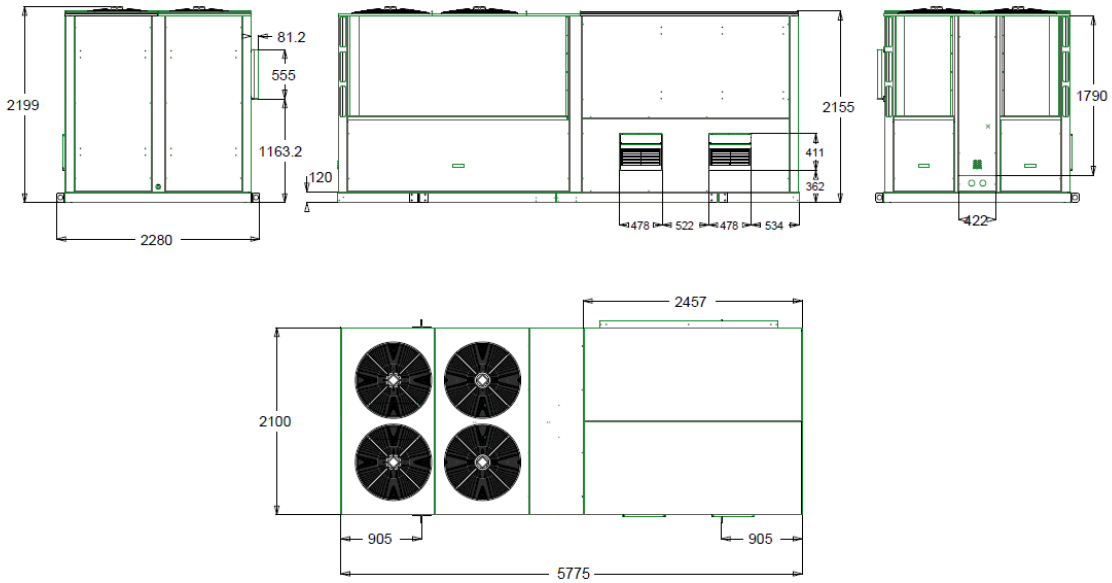
Note. Plan not includes transport pallet. Plan with long side centrifugal supply, lateral return.

SERIES 6000, STANDARD ASSEMBLY WITH UPPER RETURN UNIT (SF)

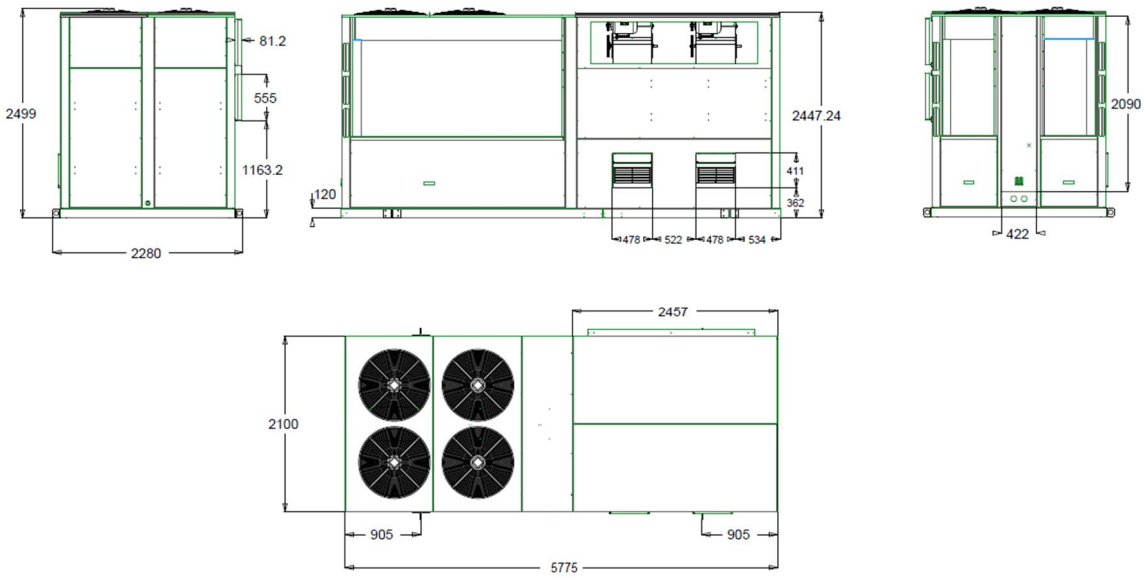


Note. Plan not includes transport pallet. Plan with long side centrifugal supply, lateral return.

SERIES 7000, STANDARD ASSEMBLY WITHOUT UPPER RETURN UNIT



SERIES 7000, STANDARD ASSEMBLY WITH UPPER RETURN UNIT (SF)



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All products are tested and approved to CE standards. We are assessed to EN ISO 9001 Quality Assurance. We offer a service to our customers; including budget schemes, on site technical support and a comprehensive after-sales package. We reserve the right to change specifications without prior notice. Errors and omissions excepted.

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