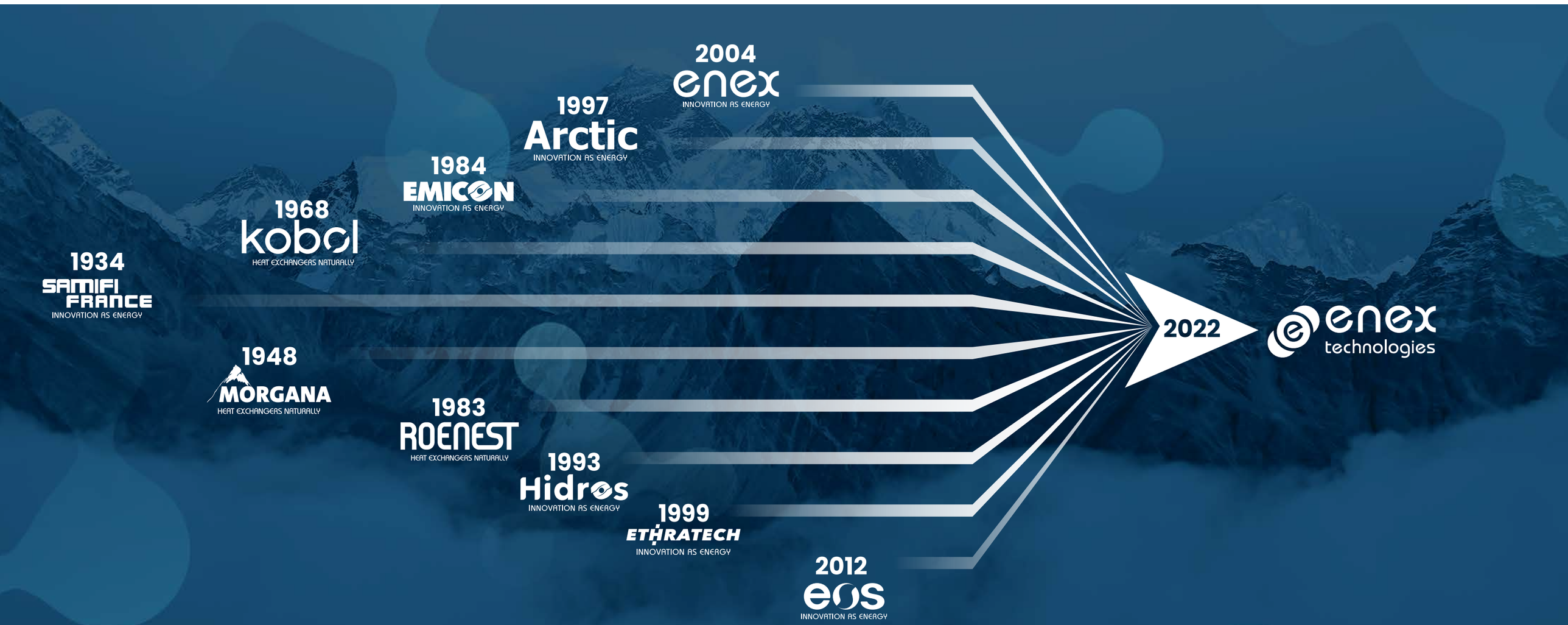
HFC-HFO
CONDENSERS

Products Catalogue

About

Enex Technologies is a transformative world leader in natural and energy efficient cooling, heating, ventilation and refrigeration equipment that began in the 1930s by producing ammonia natural refrigeration equipment, later adding CO_2, water and propane as natural refrigerants with low global warming potential.

Pioneers and innovators in natural HVACR since the 1930s



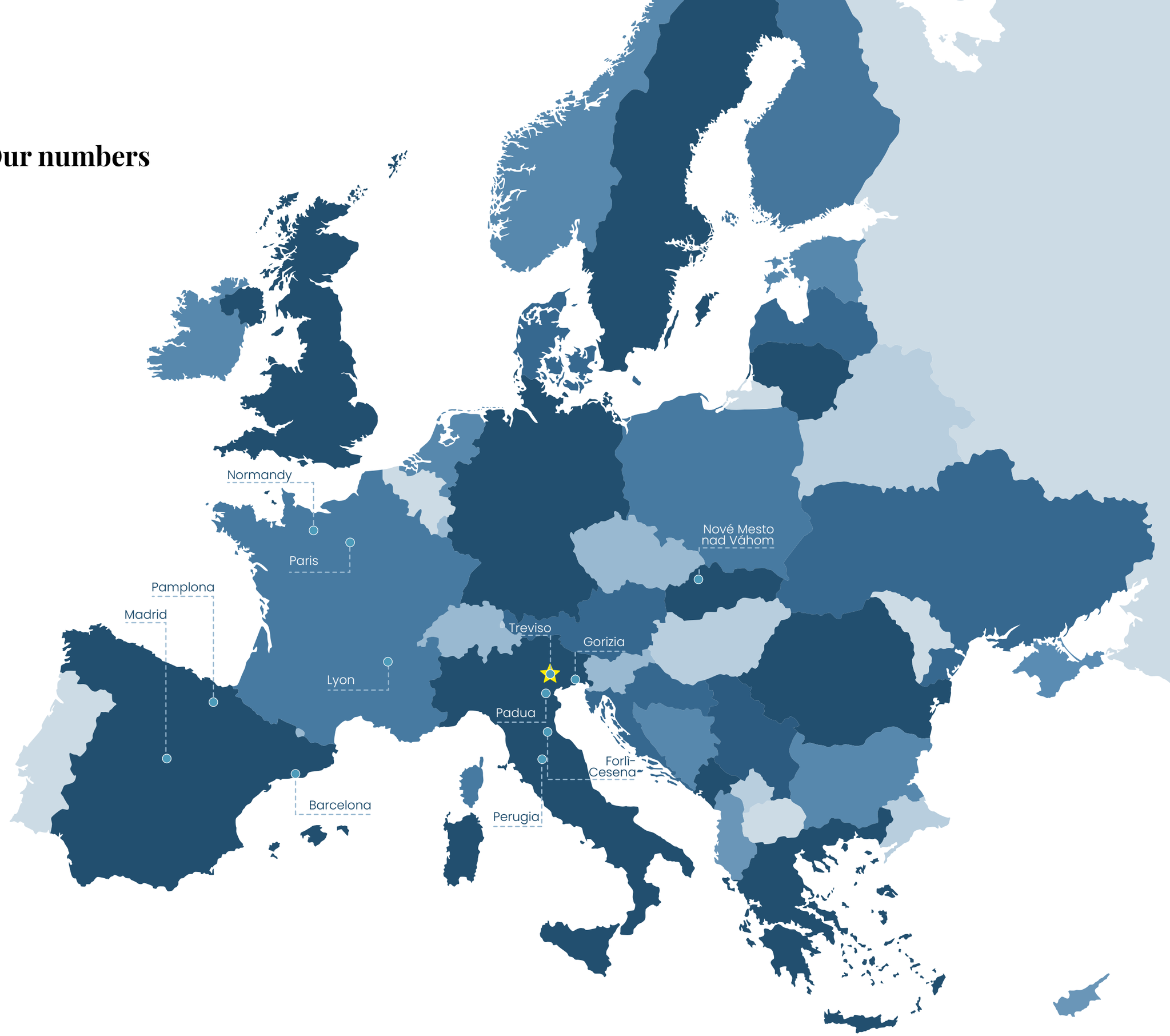
Our numbers

200M€
Revenues

1000+
Employees

12
Factories

125
Countries



★ Headquarter

● Manufacturing, R&D site and commercial office

Our segments

Our leading natural refrigerant, energy efficiency and energy transition technologies transform the HVACR industry.

COOLING

Our chillers are designed to operate efficiently with all refrigerants, generating cold water for climatization or industrial processes.

REFRIGERATION

Our commercial and industrial refrigeration systems are designed for high performance, quality, reliability and carbon footprint reduction through the use of natural refrigerants Ammonia and CO_2.

HEATING

Our high efficiency heat pump range using natural refrigerant CO_2 is a simple-to use, elegant solution for applications requiring high quantities of sanitary hot water.

We are driven by strong values to create a better and more sustainable world

SUSTAINABILITY

Buildings consume 40% of the energy used in the developed world. HVACR systems use 60% of the energy in buildings. Our high efficiency solutions are central to reducing global warming, and we strive every day to help our customers reduce their carbon footprint by using natural refrigerants.

INNOVATION

Always leading. From pioneering the efficient and safe use of natural refrigerants to helping the industry move away from gas heat towards systems that use electricity.

COMMUNITIES

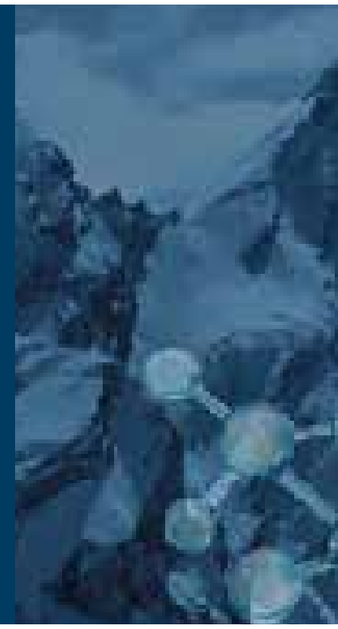
We are a European industrial champion, building clean factories that support new jobs, growth and expansion to new markets.

DIVERSITY & INCLUSION

At Enex Technologies we ensure that every colleague feels respected, valued and motivated to support our customers, every day.

Our leading natural refrigerant, energy efficiency and energy transition technologies transform the HVACR industry

Enex Technologies is committed to developing and improving innovative and efficient low global warming technologies in HVAC, commercial and industrial refrigeration systems that reduce energy consumption and environmental impact.



Natural refrigerants

CO_2 (R744)

CO_2 is a naturally occurring, non-ozone-depleting refrigerant that addresses today's concerns about the global warming potential (GWP) of common F-gases. With a GWP of 1, CO_2 is widely and effectively used in commercial and industrial refrigeration systems.

AMMONIA (R717)

Ammonia is the most widely used natural refrigerant for large industrial applications. With a GWP of 0, ammonia is a cost-effective, efficient, and sustainable alternative refrigerant.

PROPANE (R290)

With its excellent thermodynamic properties and a GWP of 3, Propane is an energy efficient, reliable, versatile, and cost-effective natural refrigerant.

WATER (R718)

Indirect systems using pure water or brine mixtures to transfer heat are simple to install and easy to service in all applications.

CO_2 Gas coolers

GM/GN/GO/GP · 15 - 900 Kw

KGR · 20 - 525 Kw

kW

0 25 50 100 500 1000

CO_2 Evaporators

MR · 1-13 Kw

CR · 0,5 - 20 Kw

XR · 1 - 25 Kw

OC · 6 - 260 Kw

OD · 6 - 157 Kw

KEB · 14 - 92 Kw

KEV · 30 - 90 Kw

kW

0 10 20 50 100 250 500

HFC-HFO Condensers

KCR/CRC · 15 -390 Kw

GPC/GMC/GSC · 3 - 525 Kw

CHN/CAH · 10 - 1300 Kw

KCV · 160 - 1550 Kw

kW

0 25 50 100 500 1000 1500 2000

HFC-HFO Evaporators

MR · 1-12 Kw

CR · 1 - 22 Kw

XR · 1 - 23 Kw

OC · 6 - 233 Kw

OD · 9 - 147 Kw

KEB · 14 - 90 Kw

KEV · 29 - 90 Kw

kW

0 10 20 50 100 250 500

Dry Coolers

DRC · 50 – 350 Kw

DP/DO/DN/DU/DR · 10 – 1050 Kw

KDV · 150 – 1500 Kw

kW

0 25 50 100 500 1000 1500 2000

NH_3 Condensers

ACF · 50 – 1150 Kw

ACV · 185 – 1720 Kw

NCX · 260 – 2450 Kw

kW

0 25 50 100 500 1000 1500 2000 3000

NH_3 Evaporators

ETFI · 7 – 80 Kw

ARI · 12 – 190 Kw

Brine Coolers

MR · 1-11 Kw

CR · 1 – 25 Kw

XR · 1 – 25 Kw

OC · 5 – 185 Kw

OD · 5 – 100 Kw

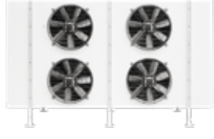
kW

0 10 20 50 100 250 500

EDI · 5 – 195 Kw

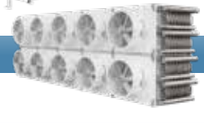
EDIT · 15 – 420 Kw

ECI · 2-420 Kw



SBFI · 40 – 430 Kw

BTVI · 20 – 540 Kw



BF · 35 – 800 Kw

kW

0 10 20 50 100 250 500 800

HFC-HFO Condensers

Enex Technologies' Condensing Coil heat exchangers are compatible with all the design requirements of the current low-GWP HFC and HFO refrigerants available today. They are made according to customer specifications in terms of thermodynamic, structural and frame conformation performance, so that they can be perfectly integrated into the customer's machine or system.

Reliable and low GWP solutions for industrial and commercial applications

FLAT CONDENSER HFC-HFO

The reliable, efficient, and sustainable cooling solution for industrial and commercial applications

CHN/CAH

Cooling capacity from 12 kW to 1.315 kW

ENEX TECHNOLOGIES presents the **Flat Condenser** range for industrial and commercial applications. This unit was designed to meet every need: energy efficiency, ergonomics, space, etc.

All ENEX TECHNOLOGIES products are designed and conceived with levels of excellence in food preservation, robustly built to ensure long life.

Ready to use in Commercial and Industrial Refrigeration, Energy & Process Cooling and HVAC applications, our Flat Condenser HFC-HFO line consists of more than 300 models of axial condensers for commercial and industrial applications, available in cooling capacities between 12 and 1.315 KW.

Our complete portfolio offers a large range of accessories to meet any specification and can be customized according to the application.

LEADING PROFESSIONAL SOLUTIONS IN HEAT REJECTION

ENEX TECHNOLOGIES' assessment of flat condenser performance parameters under different conditions and control strategies is essential to designing and optimizing the units for specific applications.

Our FLAT CONDENSER HFC-HFO units are segmented into two ranges:

RANGE	STANDARD CONDITIONS SC15 (kW)
CHN	12 - 275
CAH	35 - 1315

Standard Conditions SC15: Air inlet Tª 25, Condensing Tª 40ºC.

MAIN FEATURES

With more than 400 years of combined experience in design, production and distribution and doing business in over 125 countries, ENEX TECHNOLOGIES Flat Condenser HFC-HFO line offers customers a wide spectrum of benefits including, but not limited to:

HIGH PERFORMANCE

• Optional EC fans adapt to the needs of the application with minimal energy consumption (30% savings compared to an AC fan).
• Staggered arrangement of inner grooved copper tubes across self-spaced fins, the accurate link between tubes and fins as well as the use of louvered fins allows our coils to reach the highest performance.

CUSTOMIZATION ON DEMAND

• Highest level of customization available to meet application requirements.

LONG PRODUCT LIFE

• Strong and robust design includes high quality components to meet all thermodynamic and product life cycle requirements.
• 10 surface treatments available to increase product life cycle in challenging environments.

SELECTION SOFTWARE

• EPS – ENEX TECHNOLOGIES Product Selector gives customers flexibility in adjusting settings as parameters of the application change.

SAFETY & RELIABILITY

• Resistance and leaks tests up to 43 bar
• Burst tests up to 90 bar
• Equipment pressurized with nitrogen at 2bar

SUSTAINABILITY

• A2L READY
• Low GWP refrigerants:
  - R1234yf: GWP=4
  - R1234ze: GWP=6
  - R455A: GWP=145
  - R454C: GWP=146

TECHNICAL FEATURES

NOMENCLATURE

C A H 12 P F 06P EC C66

Technology
- **C** = Condenser HFC-HFO

Typology
- **AH** = Industrial / Ø910mm fan
- **HN** = Compact / Ø630mm fan

Nº of fans
- **01** = 1 fan
- **12** = 12 fans

Fan arrangement
- **L** = In line
- **P** = In parallel

Type of coil

Type of fan
- **06P** = 6 poles fan
- **08P** = 8 poles fan
- **12P** = 12 poles fan

Fan connection

No of circuits

FINNED COILS
• Inner grooved copper tubes Ø 3/8" (CHN series) Ø 12mm (CAH series) and are built in compliance with CUPROCLIMA specifications.
• The staggered arrangement of copper tubes across self-spaced, louvered fins accurately links tubes and fins for higher coil performance.
• FLOATING PACK SYSTEM allows coils to levitate to avoid leaks.
• All coils are subjected to resistance and leakage tests under a rated pressure of43 bar (PS 30bar) and pressurized using nitrogen at 2 bar to avoid the corrosion of the inner surface of the copper tubes.

CASING
• Manufactured in galvanized steel with external surface painted epoxy-polyester and then baked and cured at 180° C for greater protection against corrosion even in extreme environmental conditions.
• Internal separators avoid the "by-pass" effect during sequential operation of fans.
• Metallic protection on connections and return bends.

FAN MOTORS
• Available fans' diameters: Ø 630/910 mm.
• Axial fans with external rotor (400V III @ 50Hz).
• Optional EC fan motors that modulate rotation speed according to unit requirements, delivering excellent acoustic performance and peak operation.

CONSTRUCTION
• Can be specified with vertical or horizontal air inlets.

HFC-HFO CONDENSERS
FLAT CONDENSERS - CHN/CAH

OPTIONS & ACCESORIES

COIL
• Copper Fins
• Coated Fins
• AquaAero treatment
• Blygold treatment
• Multicircuit
• Other material

CASING
• Legs - Horizontal coil (CHN series)
• Taller legs: 800mm and 1000 mm (optional)
• Silent blocks
• Box for outdoor RACK installation

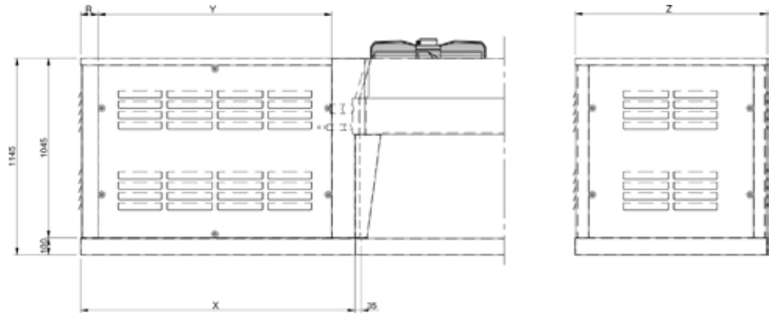
ELECTRICAL OPTIONS
• EC fans include wiring into centralized box
• AC fans wired into centralized box
• Shielded Wiring
• Individual service switch by fan

OTHER
• Adiabatic spray system

BOX FOR OUTDOOR RACK INSTALLATION · CHN SERIES

MAIN FEATURES

- Roof and collapsible structure facilitate the installation of components in the box.
- Galvanized steel painted RAL-7035.
- Casework features Acoustic Insulation.
- Lateral locking handcuffs.

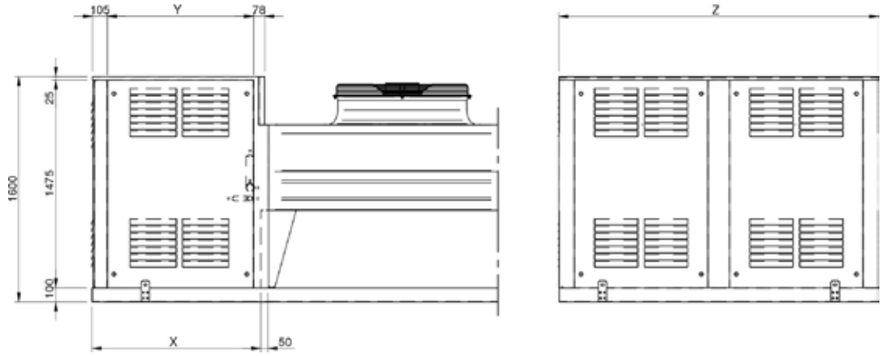


	R	X	Y	Z
2 FANS BOX 1200	100	1.200	960	770
2 FANS BOX 1600	100	1.600	1.360	770
3 FANS BOX 1200	100	1.200	960	1.120
3 FANS BOX 1600	100	1.600	1.360	1.120
2 X 2 FANS BOX 1200	35	1.200	1.055	1.535
2 X 2 FANS BOX 1600	35	1.600	1.455	1.535
2 X 3 FANS BOX 1200	35	1.200	1.055	2.230
2 X 3 FANS BOX 1600	35	1.600	1.455	2.230

BOX FOR OUTDOOR RACK INSTALLATION · CAH SERIES

MAIN FEATURES

- Roof and collapsible structure facilitate the installation of components in the box.
- Galvanized steel painted RAL-7035.
- Casework features Acoustic Insulation.
- Lateral locking handcuffs.

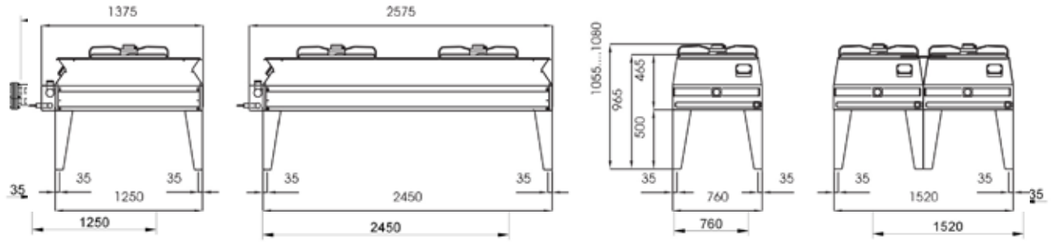


	X	Y	Z
BOX 1200L COIL A	1200	1040	1175
BOX 1200L COIL B	1200	1040	1175
BOX 1200L COIL C	1200	1040	1575
BOX 1200L COIL D	1200	1040	1575
BOX 1200L COIL E	1200	1040	2275
BOX 1200L COIL F	1200	1040	2275
BOX 1400L COIL A	1400	1240	1175
BOX 1400L COIL B	1400	1240	1175
BOX 1400L COIL C	1400	1240	1575
BOX 1400L COIL D	1400	1240	1575
BOX 1400L COIL E	1400	1240	2275
BOX 1400L COIL F	1400	1240	2275
BOX 1400L SIMPLE REMOTE	1400	1240	1575
BOX 1400L DOUBLE REMOTE	1400	1240	2275

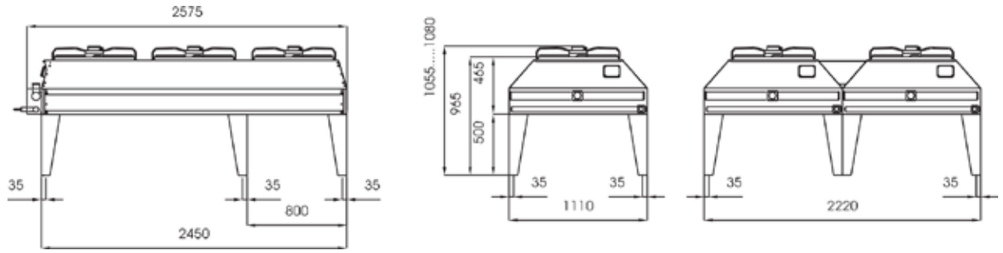
PRODUCT RANGE OVERVIEW · CHN

HORIZONTAL COIL POSITION

1, 2 and 4 fans models

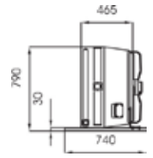


3 and 6 fans models

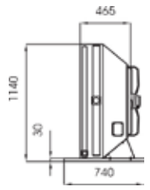


VERTICAL COIL POSITION

1 and 2 fans models

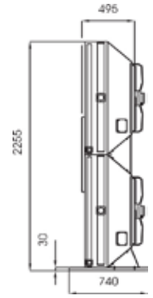


3 fans models

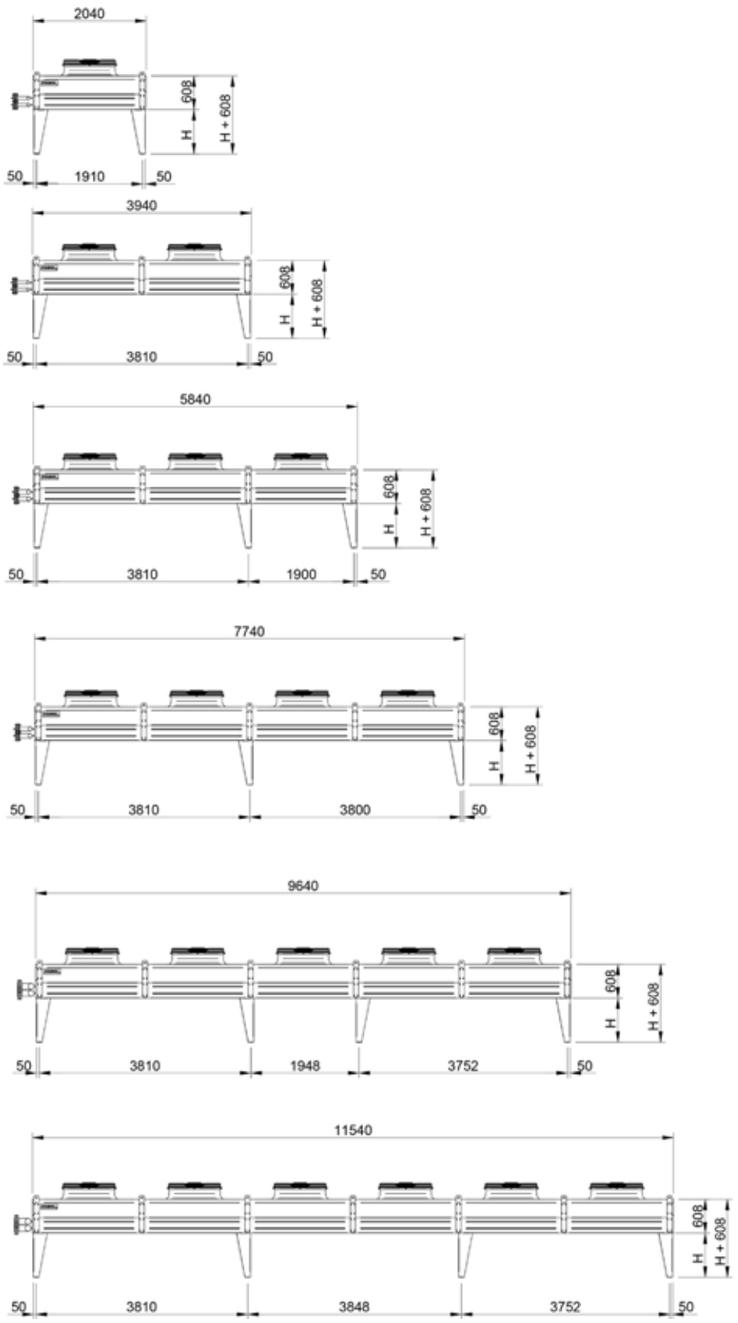


4 fans models

6 fans models

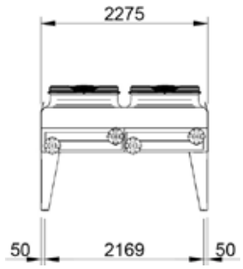


PRODUCT RANGE OVERVIEW · CAH

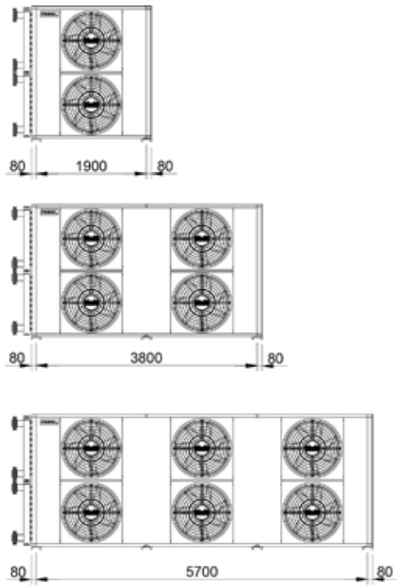


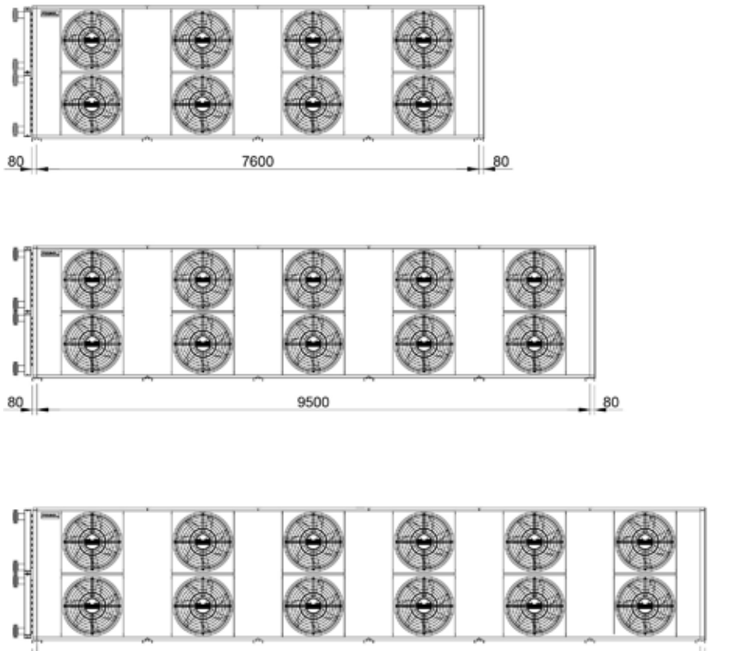
Lateral view
Type of coil : A & B

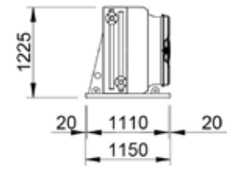
Lateral view
Type of coil : C & D



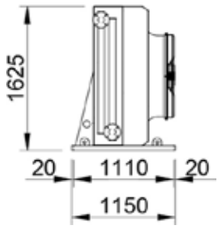
Lateral view
Type of coil : E & F



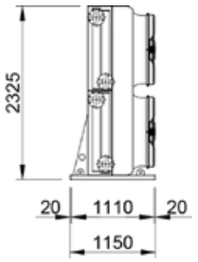




Lateral view
Type of coil : A & B



Lateral view
Type of coil : C & D



Lateral view
Type of coil : E & F

TECHNICAL DATA

Fan ø= 500 mm

Fin pitch = 2,5 mm, Rpm = 1.600

Model	Capacity (kW)	Surface	Internal Volume	Air Flow	Noise Level	Fans Data			Inlet Ø	Outlet Ø	Weight
	SC15	m²	dm³	m³/h	dBA (10m)	Nº	kW	A	Inch	Inch	kg
CHN-107L EC	29,0	46,7	9,5	10.200	49	1	0,7	1,2	1 3/8"	7/8"	70
CHN-114L EC	33,8	62,4	12,0	9.500	46	1	0,8	1,3	1 3/8"	7/8"	75
CHN-210L EC	58,8	93,4	18,0	20.400	52	2	1,4	2,5	1 5/8"	1 1/8"	130
CHN-213L EC	68,1	124,8	23,0	19.000	49	2	1,6	2,6	1 5/8"	1 1/8"	140
CHN-305L EC	86,3	137,0	26,0	28.200	51	3	2,5	4,0	2 1/8"	1 3/8"	190
CHN-307L EC	87,3	137,0	26,0	30.450	53	3	2,2	3,7	2 1/8"	1 3/8"	190
CHN-309L EC	100,7	182,9	34,0	28.200	51	3	2,5	4,0	2 1/8"	1 3/8"	205
CHN-407P EC	136,1	249,6	46,0	38.000	52	4	3,3	5,2	2 x 1 5/8"	2 x 1 1/8"	280
CHN-605P EC	172,5	274,0	52,0	56.400	54	6	4,9	8,0	2 x 2 1/8"	2 x 1 3/8"	380
CHN-607P EC	174,6	274,0	52,0	60.900	56	6	4,3	7,4	2 x 2 1/8"	2 x 1 3/8"	380
CHN-609P EC	201,3	365,8	68,0	56.400	54	6	4,9	8,0	2 x 2 1/8"	2 x 1 3/8"	410

Technical data calculated at maximum RPM. For other RPM see our selection software.
In this table are included the most representative models. For other selection please see our selection software

HFC-HFO CONDENSERS
FLAT CONDENSERS - CHN/CAH

Fan ø= 910 mm

Fin pitch = 2,4 mm, Rpm = 640

Model	Capacity (kW)	Surface	Internal Volume	Air Flow	Noise Level	Fans Data			Inlet Ø	Outlet Ø	Weight
	SC15	m²	dm³	m³/h	dBA (10m)	Nº	kW	A	Inch	Inch	kg
CAH 01 L A 08P EC	59,4	161,8	20,8	16.750	38	1	0,6	1,0	1 5/8"	1 1/8"	275
CAH 01 L B 08P EC	67,7	242,7	31,3	15.000	38	1	0,6	1,0	1 5/8"	1 1/8"	302
CAH 01 L C 08P EC	69,5	220,6	28,4	18.250	38	1	0,6	1,0	1 5/8"	1 1/8"	338
CAH 01 L D 08P EC	79,2	330,9	42,6	17.000	38	1	0,6	1,0	1 5/8"	1 1/8"	374
CAH 02 L A 08P EC	119,4	323,6	41,7	33.500	41	2	1,2	2,0	1 5/8"	1 1/8"	484
CAH 02 L B 08P EC	135,1	485,4	62,5	30.000	41	2	1,3	2,0	2 1/8"	1 3/8"	540
CAH 02 L C 08P EC	142,1	441,3	56,9	36.500	41	2	1,1	1,9	2 1/8"	1 3/8"	590
CAH 02 L D 08P EC	158,0	661,9	85,3	34.000	41	2	1,2	2,0	2 1/8"	1 3/8"	663
CAH 02 P E 08P EC	118,7	323,6	41,7	33.500	41	2	1,2	2,0	2 x 1 5/8"	2 x 1 1/8"	473
CAH 02 P F 08P EC	135,4	485,4	62,5	30.000	41	2	1,3	2,0	1 5/8"	1 1/8"	528
CAH 03 L A 08P EC	175,0	485,4	62,5	50.250	43	3	1,8	3,0	2 1/8"	1 3/8"	694
CAH 03 L B 08P EC	203,6	728,1	93,8	45.000	43	3	1,9	3,0	2 5/8"	1 5/8"	777
CAH 03 L C 08P EC	208,5	661,9	85,3	54.750	43	3	1,7	2,9	2 5/8"	1 5/8"	842
CAH 03 L D 08P EC	237,7	992,8	127,9	51.000	43	3	1,8	2,9	2 5/8"	1 5/8"	951
CAH 04 L A 08P EC	238,9	647,2	83,4	67.000	44	4	2,4	4,0	2 5/8"	1 5/8"	904
CAH 04 L B 08P EC	270,5	970,8	125,1	60.000	44	4	2,5	4,0	2 5/8"	1 5/8"	1.014
CAH 04 L C 08P EC	284,3	882,5	113,7	73.000	44	4	2,2	3,8	2 5/8"	1 5/8"	1.094
CAH 04 L D 08P EC	316,3	1323,8	170,6	68.000	44	4	2,4	3,9	3"	2 1/8"	1.240
CAH 04 P E 08P EC	238,8	647,2	83,4	67.000	44	4	2,4	4,0	2 x 1 5/8"	2 x 1 1/8"	840
CAH 04 P F 08P EC	270,2	970,8	125,1	60.000	44	4	2,5	4,0	2 x 2 1/8"	2 x 1 3/8"	949
CAH 05 L A 08P EC	300,5	809,0	104,2	83.750	45	5	3,0	5,0	2 5/8"	1 5/8"	1.150
CAH 05 L B 08P EC	339,7	1213,5	156,4	75.000	45	5	3,2	5,1	3"	2 1/8"	1.287
CAH 05 L C 08P EC	357,9	1103,1	142,1	91.250	45	5	2,8	4,8	3"	2 1/8"	1.346
CAH 05 L D 08P EC	396,7	1654,7	213,2	85.000	45	5	3,0	4,9	3"	2 1/8"	1.528
CAH 06 L A 08P EC	350,2	970,8	125,1	100.500	46	6	3,6	5,9	3"	2 1/8"	1.359
CAH 06 L B 08P EC	405,9	1456,2	187,6	90.000	46	6	3,8	6,1	3"	2 1/8"	1.524
CAH 06 L C 08P EC	428,1	1323,8	170,6	109.500	46	6	3,4	5,8	3"	2 1/8"	1.598
CAH 06 L D 08P EC	474,6	1985,7	255,9	102.000	46	6	3,6	5,9	3"	2 1/8"	1.816
CAH 06 P E 08P EC	350,1	970,8	125,1	100.500	46	6	3,6	5,9	2 x 2 1/8"	2 x 1 3/8"	1.207
CAH 06 P F 08P EC	407,2	1456,2	187,6	90.000	46	6	3,8	6,1	2 x 2 5/8"	2 x 1 5/8"	1.371
CAH 08 P E 08P EC	477,8	1294,4	166,8	134.000	47	8	4,8	7,9	2 x 2 5/8"	2 x 1 5/8"	1.574
CAH 08 P F 08P EC	541,0	1941,5	250,2	120.000	47	8	5,0	8,1	2 x 2 5/8"	2 x 1 5/8"	1.793
CAH 10 P E 08P EC	601,0	1618,0	208,5	167.500	48	10	6,0	9,9	2 x 2 5/8"	2 x 1 5/8"	1.940
CAH 10 P F 08P EC	679,3	2426,9	312,7	150.000	48	10	6,3	10,1	2 x 3"	2 x 2 1/8"	2.214
CAH 12 P E 08P EC	700,3	1941,5	250,2	201.000	49	12	7,2	11,9	2 x 3"	2 x 2 1/8"	2.308
CAH 12 P F 08P EC	811,8	2912,3	375,3	180.000	49	12	7,6	12,1	2 x 3"	2 x 2 1/8"	2.637

For cooling connection please see our selection software.
In this table are included the most representative models. For other selection please see our selection software.

Fan ø= 910 mm

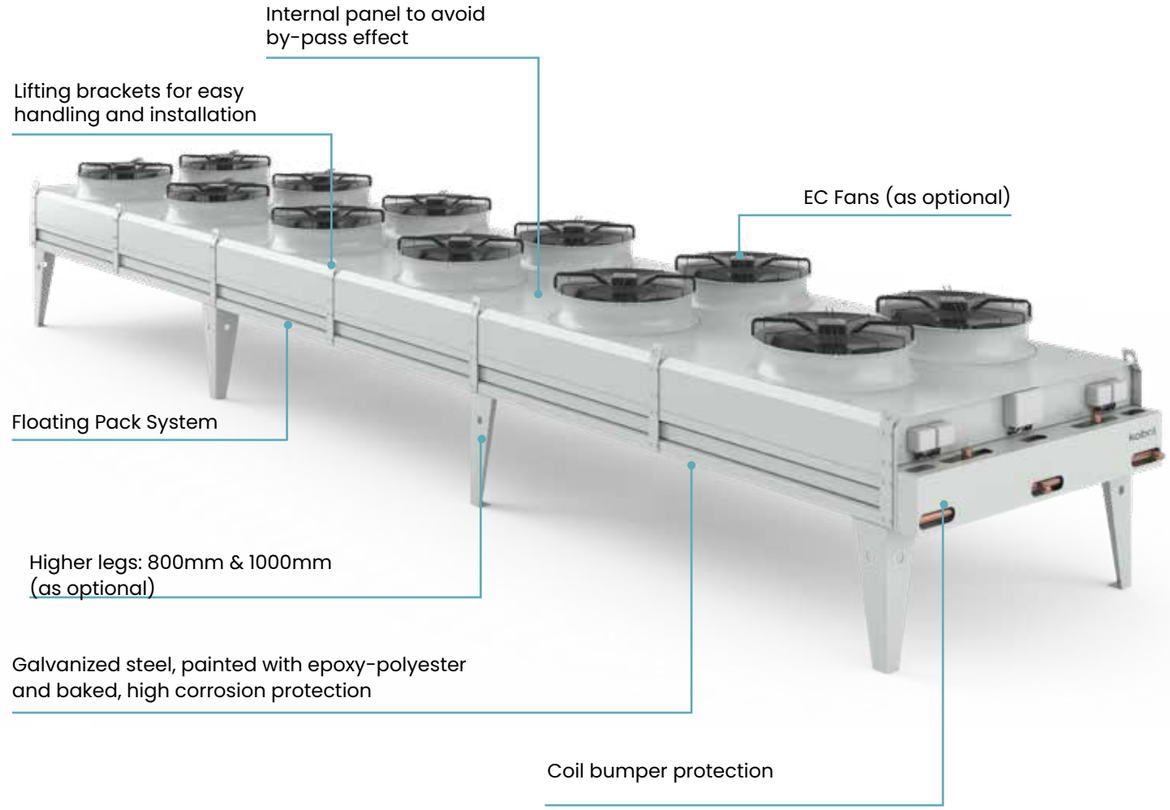
Fin pitch = 2,4 mm, Rpm = 1.000

Model	Capacity (kW)	Surface	Internal Volume	Air Flow	Noise Level	Fans Data			Inlet Ø	Outlet Ø	Weight
	SC15	m²	dm³	m³/h	dBA (10m)	Nº	kW	A	Inch	Inch	kg
CAH 01 L A 06P EC	81,9	161,8	20,8	30.300	47	1	2,4	3,6	1 5/8"	1 1/8"	275
CAH 01 L B 06P EC	109,2	242,7	31,3	27.500	47	1	2,6	3,9	1 5/8"	1 1/8"	302
CAH 01 L C 06P EC	104,5	220,6	28,4	32.000	48	1	2,2	3,4	1 5/8"	1 1/8"	338
CAH 01 L D 06P EC	129,8	330,9	42,6	31.000	47	1	2,3	3,6	1 5/8"	1 1/8"	374
CAH 02 L A 06P EC	178,1	323,6	41,7	60.600	50	2	4,8	7,3	2 1/8"	1 3/8"	484
CAH 02 L B 06P EC	218,5	485,4	62,5	55.000	50	2	5,2	7,9	2 1/8"	1 3/8"	540
CAH 02 L C 06P EC	213,4	441,3	56,9	64.000	51	2	4,5	6,8	2 1/8"	1 3/8"	590
CAH 02 L D 06P EC	259,8	661,9	85,3	62.000	50	2	4,6	7,1	2 5/8"	1 5/8"	663
CAH 02 P E 06P EC	163,9	323,6	41,7	60.600	50	2	4,8	7,3	2 x 1 5/8"	2 x 1 1/8"	473
CAH 02 P F 06P EC	218,4	485,4	62,5	55.000	50	2	5,2	7,9	2 x 1 5/8"	2 x 1 1/8"	528
CAH 03 L A 06P EC	262,1	485,4	62,5	90.900	52	3	7,1	10,9	2 5/8"	1 5/8"	694
CAH 03 L B 06P EC	333,4	728,1	93,8	82.500	52	3	7,7	11,8	2 5/8"	1 5/8"	777
CAH 03 L C 06P EC	313,8	661,9	85,3	96.000	53	3	6,7	10,3	2 5/8"	1 5/8"	842
CAH 03 L D 06P EC	396,6	992,8	127,9	93.000	52	3	7,0	10,7	3"	2 1/8"	951
CAH 04 L A 06P EC	356,6	647,2	83,4	121.200	53	4	9,5	14,5	2 5/8"	1 5/8"	904
CAH 04 L B 06P EC	444,5	970,8	125,1	110.000	53	4	10,3	15,7	3"	2 1/8"	1.014
CAH 04 L C 06P EC	427,2	882,5	113,7	128.000	54	4	9,0	13,7	3"	2 1/8"	1.094
CAH 04 L D 06P EC	528,3	1323,8	170,6	124.000	53	4	9,3	14,2	3"	2 1/8"	1.240
CAH 04 P E 06P EC	356,2	647,2	83,4	121.200	53	4	9,5	14,5	2 x 2 1/8"	2 x 1 3/8"	840
CAH 04 P F 06P EC	437,1	970,8	125,1	110.000	53	4	10,3	15,7	2 x 2 1/8"	2 x 1 3/8"	949
CAH 05 L A 06P EC	426,6	809,0	104,2	151.500	54	5	11,9	18,2	3"	2 1/8"	1.150
CAH 05 L B 06P EC	536,9	1213,5	156,4	137.500	54	5	12,9	19,7	3"	2 1/8"	1.287
CAH 05 L C 06P EC	511,1	1103,1	142,1	160.000	55	5	11,2	17,1	3"	2 1/8"	1.346
CAH 05 L D 06P EC	638,8	1654,7	213,2	155.000	54	5	11,6	17,8	3"	2 1/8"	1.528
CAH 06 L A 06P EC	524,3	970,8	125,1	181.800	55	6	14,3	21,8	3"	2 1/8"	1.359
CAH 06 L B 06P EC	656,9	1456,2	187,6	165.000	55	6	15,5	23,6	3"	2 1/8"	1.524
CAH 06 L C 06P EC	627,7	1323,8	170,6	192.000	56	6	13,4	20,5	3"	2 1/8"	1.598
CAH 06 L D 06P EC	780,6	1985,7	255,9	186.000	55	6	13,9	21,4	3"	2 1/8"	1.816
CAH 06 P E 06P EC	524,2	970,8	125,1	181.800	55	6	14,3	21,8	2 x 2 5/8"	2 x 1 5/8"	1.207
CAH 06 P F 06P EC	666,8	1456,2	187,6	165.000	55	6	15,5	23,6	2 x 2 5/8"	2 x 1 5/8"	1.371
CAH 08 P E 06P EC	713,1	1294,4	166,8	242.400	56	8	19,0	29,0	2 x 2 5/8"	2 x 1 5/8"	1.574
CAH 08 P F 06P EC	889,0	1941,5	250,2	220.000	56	8	20,6	31,4	2 x 3"	2 x 2 1/8"	1.793
CAH 10 P E 06P EC	853,2	1618,0	208,5	303.000	57	10	23,8	36,3	2 x 3"	2 x 2 1/8"	1.940
CAH 10 P F 06P EC	1073,9	2426,9	312,7	275.000	57	10	25,8	39,3	2 x 3"	2 x 2 1/8"	2.214
CAH 12 P E 06P EC	1048,7	1941,5	250,2	363.600	58	12	28,5	43,6	2 x 3"	2 x 2 1/8"	2.308
CAH 12 P F 06P EC	1313,9	2912,3	375,3	330.000	58	12	31,0	47,2	2 x 3"	2 x 2 1/8"	2.637

Technical data calculated at maximum RPM. For other RPM see our selection software.
In this table are included the most representative models. For other selection please see our selection software

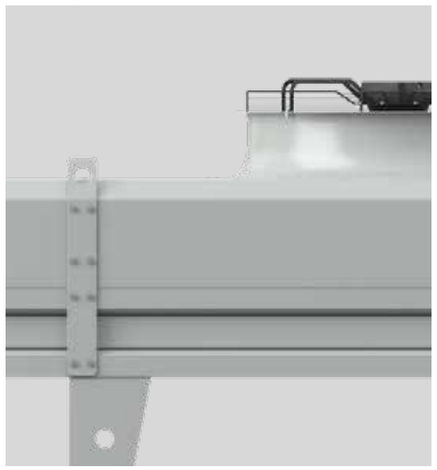
HFC-HFO CONDENSERS
FLAT DRY COOLER - DHN/DCH

DISTINCTIVE TECHNOLOGICAL CHOICES OF THE RANGE



Internal structure to avoid the by-pass effect

Lifting brackets



Coil bumper protection

V SHAPED CONDENSER HFC-HFO

The reliable, efficient, and sustainable cooling solution for outdoor use, ideal for installations where footprint is limited.

KCV

Cooling capacity from 160 kW to 1.550 kW

ENEX TECHNOLOGIES presents the **V-Shaped Condenser** range for industrial and commercial applications. This unit was designed to meet every need: energy efficiency, ergonomics, space, etc.

All ENEX TECHNOLOGIES products are designed and conceived with levels of excellence in food preservation, robustly built to ensure long life.

Ready to use in Commercial and Industrial Refrigeration, Energy & Process Cooling and HVAC applications, our V-Shaped Condenser HFC-HFO line consists of more than 200 models of axial condensers for commercial and industrial applications, available in cooling capacities between 160 and 1.550 KW.

Our complete portfolio offers a large range of accessories to meet any specification and can be customized according to the application.

LEADING PROFESSIONAL SOLUTIONS IN HEAT REJECTION

ENEX TECHNOLOGIES' assessment of V-Shaped Condenser performance parameters under different conditions and control strategies is essential to designing and optimizing the units for specific applications.

Our V-SHAPED Condenser units is offered in one range:

RANGE	STANDARD CONDITIONS SC15 (kW)
KCV	160 - 1550

Standard Conditions SC15: Air inlet Tª 25, Condensing Tª 40ºC.

MAIN FEATURES

With more than 400 years of combined experience in design, production and distribution and doing business in over 125 countries, ENEX TECHNOLOGIES V-Shaped Condenser HFC-HFO line offers customers a wide spectrum of benefits including, but not limited to:

HIGH PERFORMANCE

• EC fans adapt to the needs of the application with minimal energy consumption (30% savings compared to an AC fan).
• Staggered arrangement of inner grooved copper tubes across self-spaced fins, the accurate link between tubes and fins as well as the use of louvered fins allows our coils to reach the highest performance.

SAVING FOOTPRINT

• V-shaped configuration of coils delivers high performance and low noise levels while minimizing footprint.

CUSTOMIZATION ON DEMAND

• Fully customizable to meet customer requirements.

LONG PRODUCT LIFE

• We use only high quality components to meet all thermodynamic and product life cycle requirements.
• Strong and robust design.
• 10 surface treatments available to increase product life cycle in challenging environments.

SELECTION SOFTWARE

• EPS – ENEX TECHNOLOGIES Product Selector gives customers flexibility in adjusting settings as parameters of the application change.

SAFETY & RELIABILITY

• Resistance and leaks tests up to 43 bar
• Burst tests up to 90 bar
• Equipment pressurized with nitrogen at 2bar

SUSTAINABILITY

• A2L READY
• Low GWP refrigerants:
  - R1234yf: GWP=4
  - R1234ze: GWP=6
  - R455A: GWP=145
  - R454C: GWP=146

TECHNICAL FEATURES

NOMENCLATURE

K C V 80 18 D 06 EC C270

Technology
C = Condenser
Typology
V = V Shape
Fan diameter
80 = 800mm
N° of fans
04 = 4 fan
18 = 18 fans
Type of coil
Type of fan
06P = 6 poles fan
08P = 8 poles fan
12P = 12 poles fan
Fan connection
No of circuits

FINNED COILS

• Inner grooved copper tubes Ø 12mm are built in compliance with CUPROCLIMA specifications.
• The staggered arrangement of copper tubes across self-spaced, louvered fins accurately links tubes and fins for higher coil performance.
• FLOATING PACK SYSTEM allows coils to levitate to avoid leaks.
• All coils are subjected to resistance and leakage tests under a rated pressure of43 bar (PS 30bar) and pressurized using nitrogen at 2 bar to avoid the corrosion of the inner surface of the copper tubes.

CASING

• Manufactured in galvanized steel with external surface painted epoxy-polyester and then baked and cured at 180° C for greater protection against corrosion even in extreme environmental conditions.
• Internal separators avoid the “by-pass” effect during sequential operation of fans.
• Metallic protection on connections and return bends.

FAN MOTORS

• Available fans’ diameters: Ø 800 mm.
• Axial fans with external rotor (400V III @ 50Hz).
• Optional EC fan motors can modulate the rotation speed depending on requirements, delivering excellent acoustic performance and optimal operation of the system.

HFC-HFO CONDENSERS
V SHAPED CONDENSER - KCV

OPTIONS & ACCESORIES

COIL

• Copper Fins
• Coated Fins
• AquaAero treatment
• Blygold treatment
• Multicircuit
• Other material

CASING

• Silent blocks

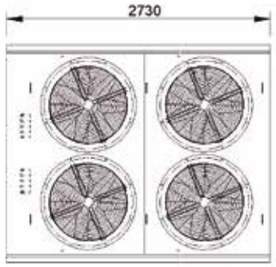
ELECTRICAL OPTIONS

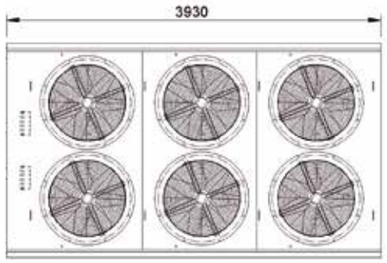
• AC and EC fans wired fans into centralized box
• Shielded Wiring
• Individual service switch by fan

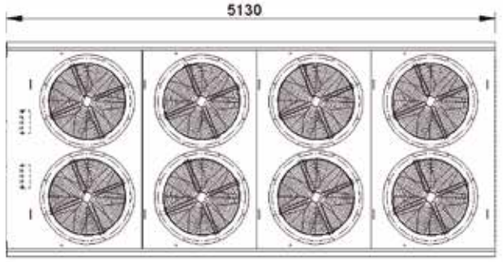
OTHER

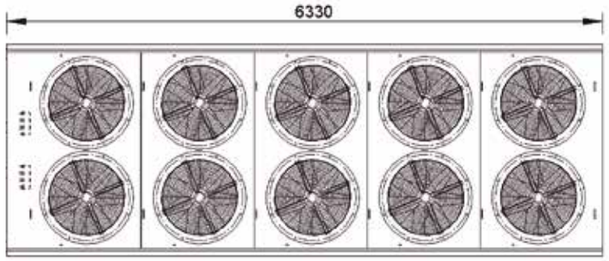
• Axitop
• Adiabatic spray system

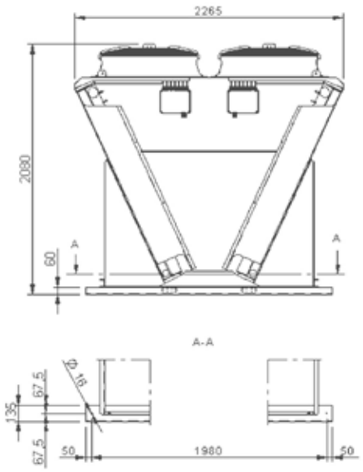
PRODUCT RANGE OVERVIEW



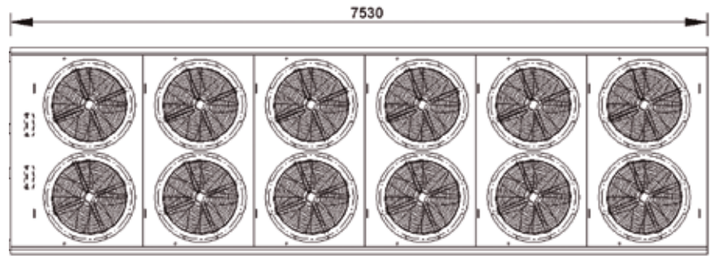


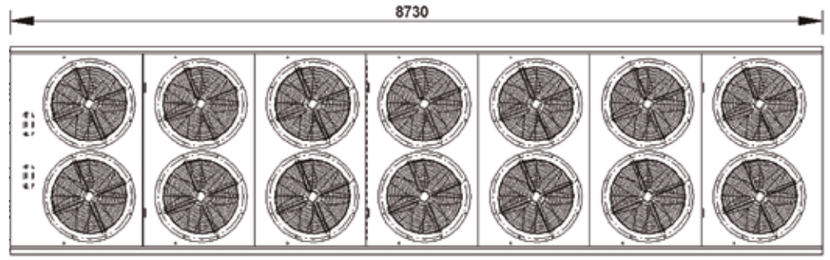


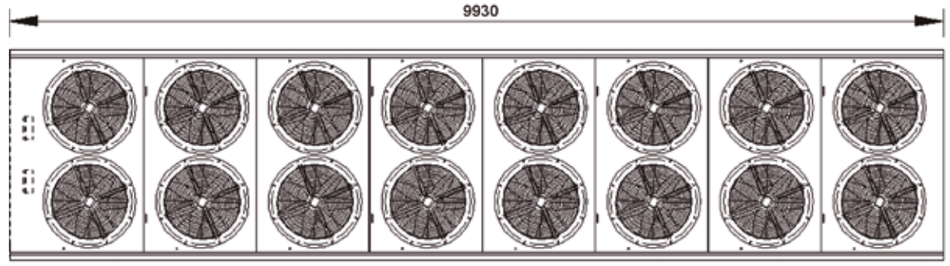


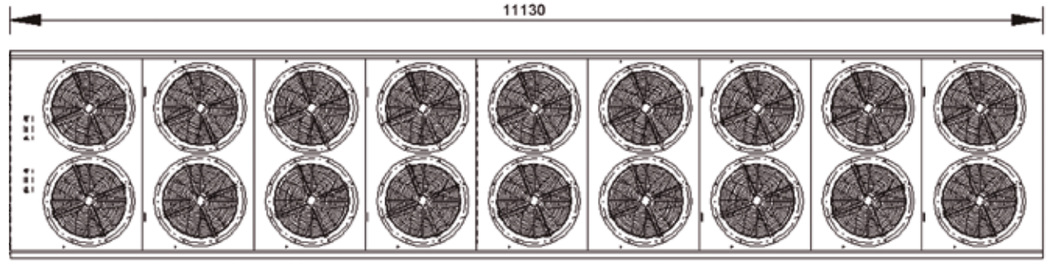


Frontal view. Cooling connections.









HFC-HFO CONDENSERS
V SHAPED CONDENSER - KCV

TECHNICAL DATA

Fan ø= 800 mm

Fin pitch = 2,1 mm, Rpm = 735

Model	Capacity (kW)	Surface	Internal Volume	Air Flow	Noise Level	Fans Data			Inlet Ø	Outlet Ø	Weight
	SC15	m²	dm³	m³/h	dBA (10m)	Nº	kW	A	Inch	Inch	kg
KCV 8004 A 08EC	177,2	448,0	60,8	71.000	44	4	2,2	3,7	2 x 1 5/8"	2 x 1 3/8"	800
KCV 8004 B 08EC	220,4	672,0	91,2	67.600	42	4	2,4	4,0	2 x 1 5/8"	2 x 1 3/8"	900
KCV 8004 C 08EC	245,7	896,1	121,6	64.800	41	4	2,5	4,2	2 x 1 5/8"	2 x 1 3/8"	950
KCV 8004 D 08EC	257,2	1120,1	152,0	62.400	40	4	2,6	4,3	2 x 1 5/8"	2 x 1 5/8"	1.000
KCV 8006 B 08EC	334,4	1008,1	136,8	101.400	44	6	3,6	6,0	2 x 2 1/8"	2 x 1 5/8"	1.250
KCV 8006 C 08EC	372,8	1344,1	182,4	97.200	43	6	3,8	6,3	2 x 2 1/8"	2 x 1 5/8"	1.350
KCV 8006 D 08EC	390,0	1680,1	228,0	93.600	42	6	3,9	6,5	2 x 2 1/8"	2 x 2 1/8"	1.450
KCV 8008 B 08EC	441,2	1344,1	182,4	135.200	45	8	4,8	8,0	2 x 2 1/8"	2 x 1 5/8"	1.650
KCV 8008 C 08EC	491,7	1792,1	243,2	129.600	44	8	5,0	8,4	2 x 2 1/8"	2 x 1 5/8"	1.800
KCV 8008 D 08EC	514,6	2240,1	304,0	124.800	43	8	5,3	8,6	2 x 2 1/8"	2 x 2 1/8"	1.900
KCV 8010 B 08EC	561,2	1680,1	228,0	169.000	46	10	6,0	10,0	2 x 2 5/8"	2 x 2 1/8"	2.050
KCV 8010 C 08EC	625,1	2240,2	304,0	162.000	45	10	6,3	10,5	2 x 2 5/8"	2 x 2 1/8"	2.200
KCV 8010 D 08EC	653,7	2800,2	380,0	156.000	44	10	6,6	10,8	2 x 2 5/8"	2 x 2 5/8"	2.350
KCV 8012 B 08EC	675,2	2016,1	273,6	202.800	47	12	7,2	12,0	2 x 2 5/8"	2 x 2 1/8"	2.400
KCV 8012 C 08EC	753,4	2688,2	364,8	194.400	46	12	7,6	12,6	4 x 2 5/8"	4 x 2 1/8"	2.600
KCV 8012 D 08EC	788,5	3360,2	456,0	187.200	45	12	7,9	13,0	4 x 2 5/8"	4 x 2 1/8"	2.800
KCV 8014 B 08EC	787,5	2352,2	319,2	236.600	47	14	8,4	14,0	4 x 2 5/8"	4 x 2 1/8"	2.800
KCV 8014 C 08EC	877,7	3136,2	425,6	226.800	46	14	8,8	14,7	4 x 2 5/8"	4 x 2 5/8"	3.050
KCV 8014 D 08EC	917,5	3920,3	532,0	218.400	45	14	9,2	15,1	4 x 2 5/8"	4 x 2 5/8"	3.250
KCV 8016 B 08EC	882,7	2688,2	364,8	270.400	48	16	9,6	16,0	4 x 2 5/8"	4 x 2 5/8"	3.200
KCV 8016 C 08EC	983,7	3584,2	486,4	259.200	47	16	10,1	16,8	4 x 2 5/8"	4 x 2 5/8"	3.450
KCV 8016 D 08EC	1029,4	4480,3	608,0	249.600	46	16	10,5	17,3	4 x 2 5/8"	4 x 2 5/8"	3.700
KCV 8018 B 08EC	1004,2	3024,2	410,4	304.200	49	18	10,8	18,0	4 x 2 5/8"	4 x 2 5/8"	3.600
KCV 8018 C 08EC	1118,3	4032,3	547,2	291.600	48	18	11,3	18,9	4 x 2 5/8"	4 x 2 5/8"	3.850
KCV 8018 D 08EC	1169,5	5040,3	684,0	280.800	47	18	11,8	19,4	4 x 2 5/8"	4 x 2 5/8"	4.150

Technical data calculated at maximum RPM. For other RPM see our selection software.

HFC-HFO CONDENSERS
V SHAPED CONDENSER - KCV

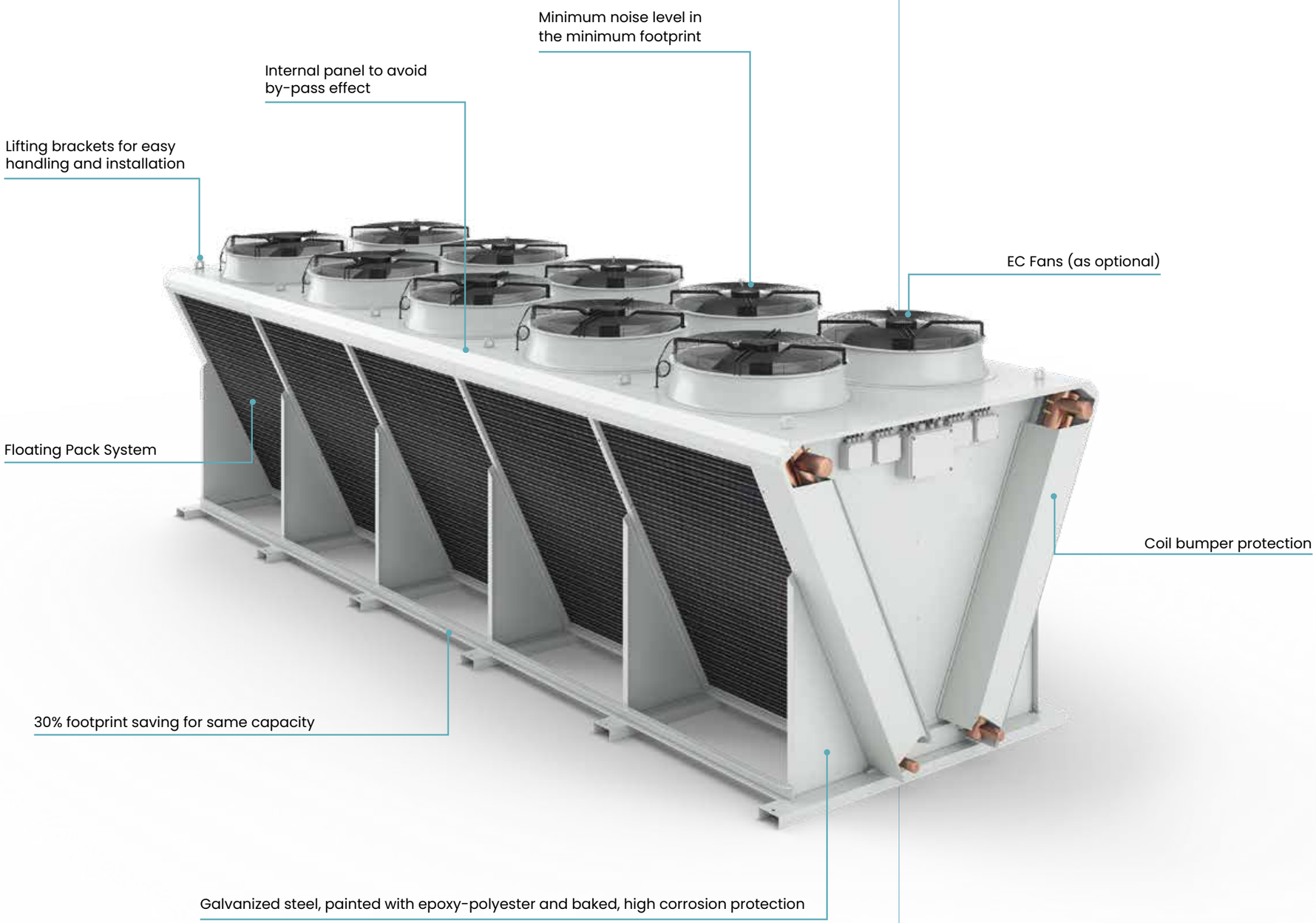
Fan ø= 800 mm

Fin pitch = 2,1 mm, Rpm = 1.020

Model	Capacity (kW)	Surface	Internal Volume	Air Flow	Noise Level	Fans Data			Inlet Ø	Outlet Ø	Weight
	SC15	m²	dm³	m³/h	dBA (10m)	Nº	kW	A	Inch	Inch	kg
KCV 8004 A 06EC	220,3	448,0	60,8	101.200	50	4	6,8	11,7	2 x 1 5/8"	2 x 1 3/8"	800
KCV 8004 B 06EC	281,7	672,0	91,2	96.400	49	4	7,2	12,3	2 x 1 5/8"	2 x 1 3/8"	900
KCV 8004 C 06EC	321,3	896,1	121,6	92.400	49	4	7,5	12,8	2 x 1 5/8"	2 x 1 3/8"	950
KCV 8004 D 06EC	341,0	1120,1	152,0	88.600	49	4	7,8	13,2	2 x 1 5/8"	2 x 1 5/8"	1.000
KCV 8006 B 06EC	426,8	1008,1	136,8	144.600	51	6	10,9	18,4	2 x 2 1/8"	2 x 1 5/8"	1.250
KCV 8006 C 06EC	487,2	1344,1	182,4	138.600	51	6	11,3	19,1	2 x 2 1/8"	2 x 1 5/8"	1.350
KCV 8006 D 06EC	517,3	1680,1	228,0	132.900	51	6	11,7	19,8	2 x 2 1/8"	2 x 2 1/8"	1.450
KCV 8008 B 06EC	564,1	1344,1	182,4	192.800	52	8	14,5	24,6	2 x 2 1/8"	2 x 1 5/8"	1.650
KCV 8008 C 06EC	643,2	1792,1	243,2	184.800	52	8	15,1	25,5	2 x 2 1/8"	2 x 1 5/8"	1.800
KCV 8008 D 06EC	682,6	2240,1	304,0	177.200	52	8	15,6	26,4	2 x 2 1/8"	2 x 2 1/8"	1.900
KCV 8010 B 06EC	714,9	1680,1	228,0	241.000	53	10	18,1	30,7	2 x 2 5/8"	2 x 2 1/8"	2.050
KCV 8010 C 06EC	816,0	2240,2	304,0	231.000	53	10	18,9	31,9	2 x 2 5/8"	2 x 2 1/8"	2.200
KCV 8010 D 06EC	866,3	2800,2	380,0	221.500	53	10	19,6	33,0	2 x 2 5/8"	2 x 2 5/8"	2.350
KCV 8012 B 06EC	853,9	2016,1	273,6	289.200	54	12	21,7	36,8	2 x 2 5/8"	2 x 2 1/8"	2.400
KCV 8012 C 06EC	978,0	2688,2	364,8	277.200	54	12	22,6	38,3	4 x 2 5/8"	4 x 2 1/8"	2.600
KCV 8012 D 06EC	1041,1	3360,2	456,0	265.800	54	12	23,5	39,6	4 x 2 5/8"	4 x 2 1/8"	2.800
KCV 8014 B 06EC	1001,7	2352,2	319,2	337.400	54	14	25,3	43,0	4 x 2 5/8"	4 x 2 1/8"	2.800
KCV 8014 C 06EC	1144,4	3136,2	425,6	323.400	54	14	26,4	44,7	4 x 2 5/8"	4 x 2 5/8"	3.050
KCV 8014 D 06EC	1215,2	3920,3	532,0	310.100	54	14	27,4	46,2	4 x 2 5/8"	4 x 2 5/8"	3.250
KCV 8016 B 06EC	1129,0	2688,2	364,8	385.600	55	16	29,0	49,1	4 x 2 5/8"	4 x 2 5/8"	3.200
KCV 8016 C 06EC	1287,1	3584,2	486,4	369.600	55	16	30,2	51,0	4 x 2 5/8"	4 x 2 5/8"	3.450
KCV 8016 D 06EC	1365,8	4480,3	608,0	354.400	55	16	31,3	52,8	4 x 2 5/8"	4 x 2 5/8"	3.700
KCV 8018 B 06EC	1282,6	3024,2	410,4	433.800	56	18	32,6	55,3	4 x 2 5/8"	4 x 2 5/8"	3.600
KCV 8018 C 06EC	1462,4	4032,3	547,2	415.800	56	18	34,0	57,4	4 x 2 5/8"	4 x 2 5/8"	3.850
KCV 8018 D 06EC	1551,5	5040,3	684,0	398.700	56	18	35,2	59,4	4 x 2 5/8"	4 x 2 5/8"	4.150

Technical data calculated at maximum RPM. For other RPM see our selection software.

DISTINCTIVE TECHNOLOGICAL CHOICES OF THE RANGE



HFC-HFO CONDENSERS
V SHAPED CONDENSER - KCV

Internal structure to avoid the by-pass effect

Lifting brackets

Coil bumper protection

RADIAL CONDENSER HFC-HFO

The reliable, efficient, and sustainable cooling solution for industrial and commercial applications, with radial fans for indoor use

KCR/CRC

Cooling capacity from 15 kW to 390 kW

ENEX TECHNOLOGIES presents the **Radial Condenser** range for industrial and commercial applications. This unit was designed to meet every need: energy efficiency, ergonomics, space, etc.

All ENEX TECHNOLOGIES products are designed and conceived with levels of excellence in food preservation, robustly built to ensure long life.

Ready to use in Commercial and Industrial Refrigeration, Energy & Process Cooling and HVAC applications, our Radial Condenser HFC-HFO line consists of more than 50 models for commercial and industrial applications, available in cooling capacities between 15 and 390 KW.

ENEX TECHNOLOGIES condensers are fitted with EC fan motors as standard, offering minimum energy consumption up to 200 Pa available air pressure. Fan speed can be controlled electronically to increase energy savings.

Our complete portfolio offers a large range of accessories to meet any specification and can be customized according to the application.

LEADING PROFESSIONAL SOLUTIONS IN HEAT REJECTION

ENEX TECHNOLOGIES' assessment of radial condenser performance parameters under different conditions and control strategies is essential to designing and optimizing the units for specific applications.

Our RADIAL CONDENSER are segmented into two ranges:

RANGE	STANDARD CONDITIONS SC15 (kW)
KCR400	15 - 57
CRC630	65 - 390

Standard Conditions SC15: Air inlet Tª 25, Condensing Tª 40°C. Available air pressure 150Pa

MAIN FEATURES

With more than 400 years of combined experience in design, production and distribution and doing business in over 125 countries, ENEX TECHNOLOGIES Radial Condenser HFC-HFO line offers customers a wide spectrum of benefits including, but not limited to:

HIGH PERFORMANCE FOR INDOOR USE

• RADIAL EC fans up to 200PA available pressure
• EC fans adapt to the needs of the application with minimal energy consumption (30% savings compared to an AC fan).
• Staggered arrangement of inner grooved copper tubes across self-spaced fins, the accurate link between tubes and fins as well as the use of louvered fins allows our coils to reach the highest performance.

LONG PRODUCT LIFE

• We use only high quality components to meet all thermodynamic and product life cycle requirements.
• Strong and robust design.
• 10 surface treatments available to increase product life cycle in challenging environments.

SAVING FOOTPRINT

• V-shaped configuration of coils delivers high performance while minimizing footprint in the machinery room.

CUSTOMIZATION ON DEMAND

• Fully customizable to meet customer requirements.

SELECTION SOFTWARE

• EPS – ENEX TECHNOLOGIES Product Selector gives customers flexibility in adjusting settings as parameters of the application change.

SAFETY & RELIABILITY

• Resistance and leaks tests up to 43 bar
• Burst tests up to 90 bar
• Equipment pressurized with nitrogen at 2bar

SUSTAINABILITY

• A2L READY
• Low GWP refrigerants:
  - R1234yf: GWP=4
  - R1234ze: GWP=6
  - R455A: GWP=145
  - R454C: GWP=146

TECHNICAL FEATURES

NOMENCLATURE

K C R 40 03 3E 02EC V 200PA

Technology
C = Condenser
Typology
R = Radial fan
Fan Diameter
40 = 400 mm
N° of fans
03 = 3 fans
Size of coil
Type of fan
Type of air outlet
V = Vertical
H = Horizontal
Fan available pressure

C R C 5 7 4 EC 200PA

Tecnologia
C = Condenser
Tipologia
R = Ventilatore radiale
N° di ventilatori
05 = 5 fans
Code of coil + air outlet
Tipo di ventilatore
Fan available pressure

FINNED COILS

• Inner grooved copper tubes Ø 12mm are built in compliance with CUPROCLIMA specifications.
• The staggered arrangement of copper tubes across self-spaced, louvered fins accurately links tubes and fins for higher coil performance.
• FLOATING PACK SYSTEM allows coils to levitate to avoid leaks.
• All coils are subjected to resistance and leakage tests under a rated pressure of43 bar (PS 30bar), and pressurized using nitrogen at 2bar to prevent corrosion of the inner surface of the copper tubes. Also, for customer verification, to ensure that the coil is in perfect condition, with no leaks.

CASING

• Manufactured in galvanized steel (painted as optional).
• Interchangeable air outlet panels.
• Internal separators avoid the “by-pass” effect during sequential operation of fans.
• Metallic protection on connections and return bends.

FAN MOTORS

• Available fans’ diameters: Ø 400/630 mm.
• Standard EC fan motors that modulate rotation speed according to unit requirements, delivering excellent acoustic performance and peak operation.
• Radial fans: 230V I @ 50/60Hz (for Ø 400 mm) and 400V III @ 50/60Hz (for Ø 630 mm).
• All motors have class B insulation, grade IP-55 protection, thermal protection device and working on a temperature range from –25°C up to + 55°C.
• Up to 200 Pa available air pressure.
• Motors are housed inside an easy-access metallic support.

OPTIONS & ACCESORIES

COIL
• Copper Fins
• Coated Fins
• AquaAero treatment
• Blygold treatment
• Multicircuit
• Other material

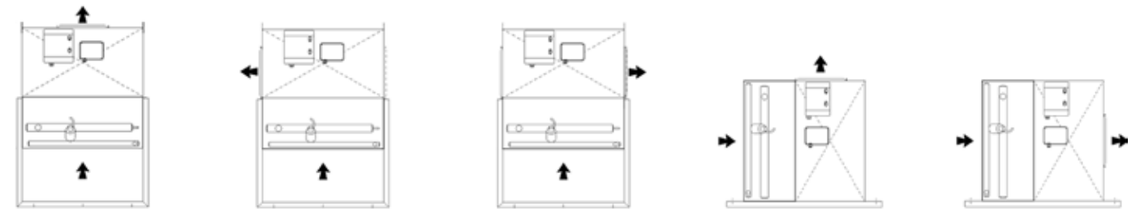
CASING
• Painted casing
• Excessive Pressure Dampers
• Acoustic Isolation
• Silent blocks

ELECTRICAL OPTIONS
• Shielded Wiring
• Individual service switch by fan

OTHER
• Adiabatic spray system

AIR DIRECTION POSSIBILITIES

KCR



V
Horizontal Coil

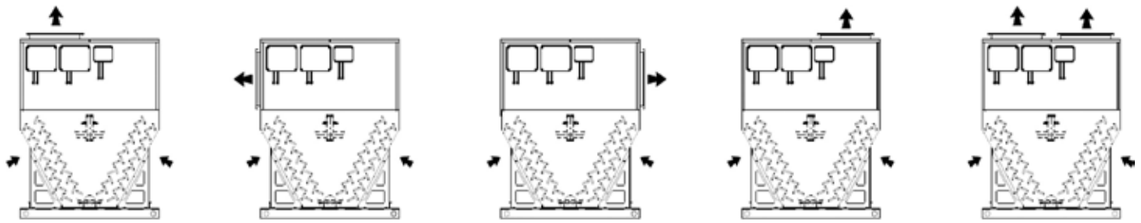
HL
Horizontal Coil

HR
Horizontal Coil

V
Vertical Coil

H
Vertical Coil

CRC



VSL

HL

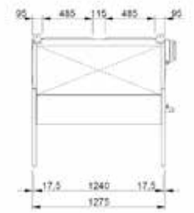
HR

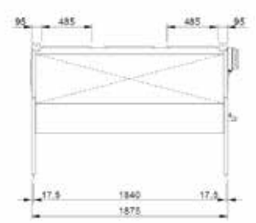
VSR

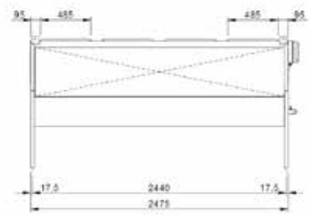
VD

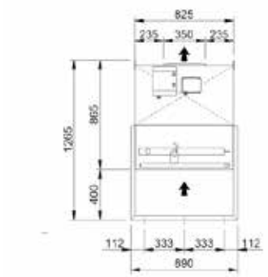
PRODUCT RANGE OVERVIEW · KCR

Horizontal coil

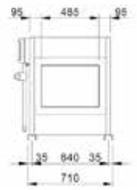


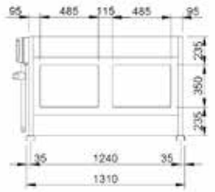


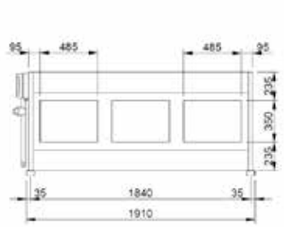


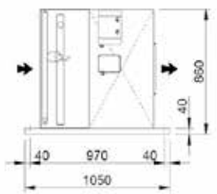


Vertical coil





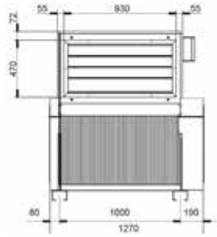


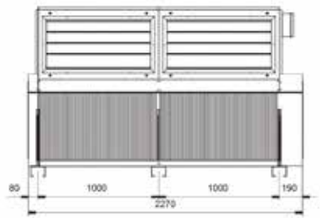


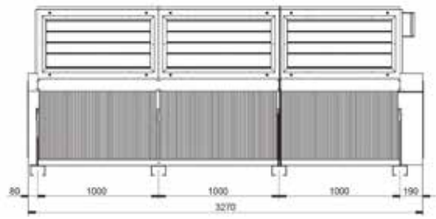
Lateral view · Horizontal coil

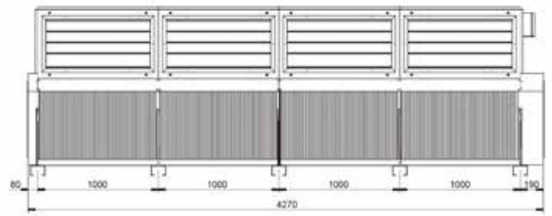
Lateral view · Vertical coil

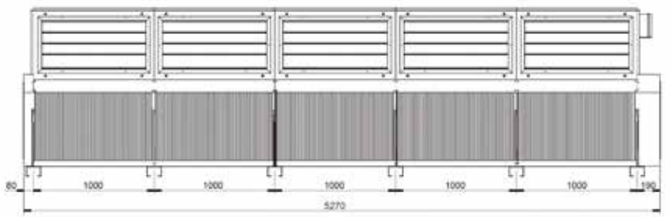
PRODUCT RANGE OVERVIEW · CRC

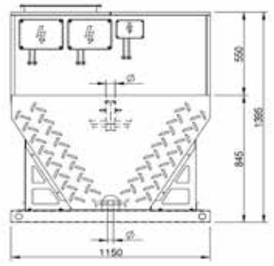












Lateral view

TECHNICAL DATA

Fan ø= 400 mm

Fin pitch = 2,5 mm, Rpm = 1.700

Model	Capacity (kW)	Surface	Internal Volume	Air Flow	Noise Level	Fans Data			Inlet Ø	Outlet Ø	Weight
	SC15	m²	dm³	m³/h	dBA (10m)	Nº	kW	A	Inch	Inch	kg
KCR-4001 3C 02EC V	15,1	30,0	4,9	4.750	53	1	0,8	3,3	28	22	76
KCR-4001 3C 02EC H	15,9	30,0	4,9	5.100	55	1	0,8	3,3	28	22	76
KCR-4001 3E 02EC V	17,8	45,1	7,4	4.500	53	1	0,8	3,3	28	22	84
KCR-4001 3E 02EC H	19,0	45,1	7,4	4.900	55	1	0,8	3,3	28	22	84
KCR-4002 3C 02EC V	30,2	60,1	9,9	9.500	56	2	1,5	6,6	35	22	132
KCR-4002 3C 02EC H	31,8	60,1	9,9	10.200	58	2	1,5	6,6	35	22	132
KCR-4002 3E 02EC V	35,3	90,1	14,8	9.000	56	2	1,5	6,6	35	22	144
KCR-4002 3E 02EC H	37,8	90,1	14,8	9.800	58	2	1,5	6,6	35	22	144
KCR-4003 3C 02EC V	46,1	90,1	14,8	14.250	58	3	2,3	9,9	42	28	188
KCR-4003 3C 02EC H	48,5	90,1	14,8	15.300	60	3	2,3	9,9	42	28	188
KCR-4003 3E 02EC V	53,1	135,2	22,2	13.500	58	3	2,3	9,9	42	28	208
KCR-4003 3E 02EC H	56,8	135,2	22,2	14.700	60	3	2,3	9,9	42	28	208

Technical data calculated at maximum RPM. For other RPM see our selection software.
Technical data calculated with 150Pa available air pressure. For other available air pressure, please see our selection software.

HFC-HFO CONDENSERS
RADIAL CONDENSER- KCR/CRC

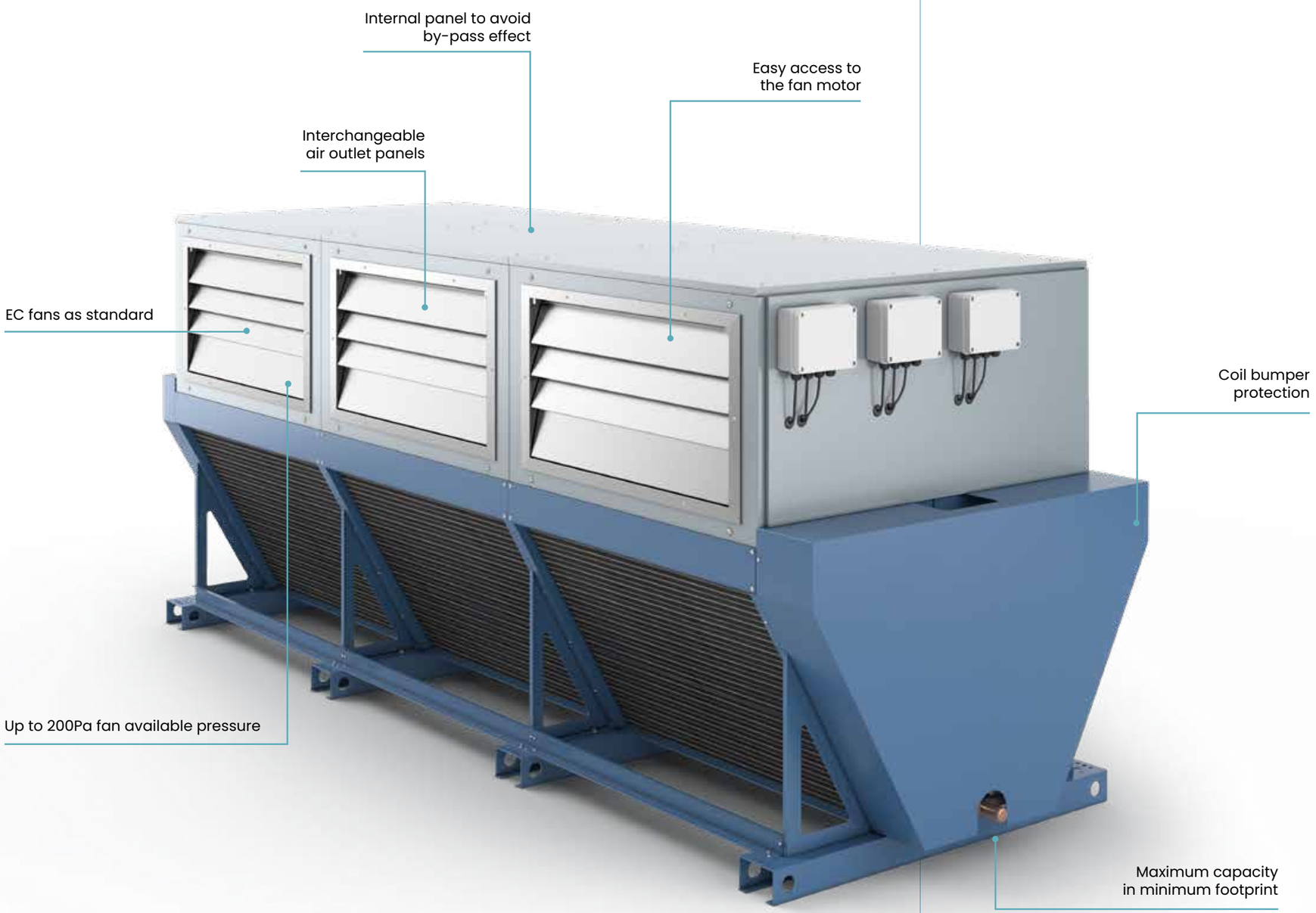
Fan ø= 630 mm

Fin pitch = 2,1 mm, Rpm = 1.330

Model	Capacity (kW)	Surface	Internal Volume	Air Flow	Noise Level	Fans Data			Inlet Ø	Outlet Ø	Weight
	SC15	m²	dm³	m³/h	dBA (10m)	Nº	kW	A	Inch	Inch	kg
CRC-161 EC	66,8	197,0	25,0	16.300	54	1	2,9	4,5	1 5/8"	1 1/8"	270
CRC-163 EC	68,7	197,0	25,0	16.950	55	1	2,8	4,3	1 5/8"	1 1/8"	270
CRC-166 EC	69,4	197,0	25,0	17.200	55	1	2,7	4,2	1 5/8"	1 1/8"	270
CRC-167 EC	74,5	214,0	40,0	15.450	53	1	3,1	4,7	1 5/8"	1 1/8"	280
CRC-171 EC	77,8	214,0	40,0	16.400	54	1	2,9	4,4	1 5/8"	1 1/8"	280
CRC-174 EC	79,0	214,0	40,0	16.700	55	1	3,0	4,4	1 5/8"	1 1/8"	280
CRC-261 EC	134,2	394,0	44,7	32.600	57	2	5,8	9,0	2 1/8"	1 3/8"	470
CRC-263 EC	137,9	394,0	44,7	33.900	58	2	5,6	8,6	2 1/8"	1 3/8"	470
CRC-266 EC	139,2	394,0	44,7	34.400	58	2	5,5	8,4	2 1/8"	1 3/8"	470
CRC-267 EC	149,0	428,0	66,3	30.900	56	2	6,1	9,4	2 1/8"	1 3/8"	490
CRC-271 EC	156,2	428,0	66,3	32.800	57	2	5,8	8,8	2 1/8"	1 3/8"	490
CRC-274 EC	158,5	428,0	66,3	33.400	58	2	5,9	8,8	2 1/8"	1 3/8"	490
CRC-361 EC	201,3	591,0	64,4	48.900	59	3	8,8	13,5	2 5/8"	1 5/8"	670
CRC-363 EC	206,8	591,0	64,4	50.850	60	3	8,4	12,9	2 5/8"	1 5/8"	670
CRC-366 EC	208,8	591,0	64,4	51.600	60	3	8,2	12,6	2 5/8"	1 5/8"	670
CRC-367 EC	224,2	642,0	96,6	46.350	58	3	9,2	14,1	2 1/8"	1 3/8"	700
CRC-371 EC	234,9	642,0	96,6	49.200	59	3	8,7	13,2	2 1/8"	1 3/8"	700
CRC-374 EC	238,2	642,0	96,6	50.100	60	3	8,9	13,2	2 1/8"	1 3/8"	700
CRC-461 EC	268,8	788,0	84,0	65.200	60	4	11,7	18,0	2 5/8"	1 5/8"	880
CRC-463 EC	276,1	788,0	84,0	67.800	61	4	11,2	17,2	2 5/8"	1 5/8"	880
CRC-466 EC	278,9	788,0	84,0	68.800	61	4	10,9	16,8	2 5/8"	1 5/8"	880
CRC-467 EC	298,8	856,0	126,9	61.800	59	4	12,2	18,8	2 5/8"	1 5/8"	920
CRC-471 EC	313,2	856,0	126,9	65.600	60	4	11,6	17,6	2 5/8"	1 5/8"	920
CRC-474 EC	317,5	856,0	126,9	66.800	61	4	11,9	17,6	2 5/8"	1 5/8"	920
CRC-486 EC	317,3	1143,0	161,1	60.800	59	4	12,4	18,8	3"	2 1/8"	1.015
CRC-492 EC	333,4	1143,0	161,1	64.400	60	4	11,8	18,0	3"	2 1/8"	1.015
CRC-498 EC	338,5	1143,0	161,1	65.600	60	4	11,6	17,6	3"	2 1/8"	1.015
CRC-567 EC	365,0	1070,3	149,3	77.250	60	5	15,3	23,5	2 5/8"	2 1/8"	1.150
CRC-571 EC	385,2	1070,3	149,3	82.000	61	5	14,5	22,0	2 5/8"	2 1/8"	1.150
CRC-574 EC	391,4	1070,3	149,3	83.500	62	5	14,9	22,0	2 5/8"	2 1/8"	1.150

Technical data calculated at maximum RPM. For other RPM see our selection software.
Technical data calculated with 150Pa available air pressure. For other available air pressure, please see our selection software.

DISTINCTIVE TECHNOLOGICAL CHOICES OF THE RANGE



HFC-HFO CONDENSERS
RADIAL CONDENSER- KCR/CRC

EC fans as standard

Interchangeable air outlet panels

Internal panel to avoid the by-pass effect

CENTRIFUGAL CONDENSER HFC-HFO

The reliable, efficient, and sustainable cooling solution for industrial and commercial applications, with centrifugal fans for indoor use

GPC/GMC/GSC

Cooling capacity from 3 kW to 525 kW

ENEX TECHNOLOGIES presents the **Centrifugal Condenser range** for industrial and commercial applications. This unit was designed to meet every need: energy efficiency, ergonomics, space, etc.

All ENEX TECHNOLOGIES products are designed and conceived with levels of excellence in food preservation, robustly built to ensure long life.

Ready to use in Commercial and Industrial Refrigeration, Energy & Process Cooling and HVAC applications, our Centrifugal Condenser HFC-HFO line consists of more than 120 models for commercial and industrial applications, available in cooling capacities between 3 and 525 KW.

ENEX TECHNOLOGIES condensers are fitted with EC fan motors up to 150 Pa available air pressure.

Our complete portfolio offers a large range of accessories to meet any specification and can be customized according to the application.

LEADING PROFESSIONAL SOLUTIONS IN HEAT REJECTION

ENEX TECHNOLOGIES' assessment of centrifugal condenser performance parameters under different conditions and control strategies is essential to designing and optimizing the units for specific applications.

Our CENTRIFGUAL CONDENSER line is segmented into three ranges:

RANGE	STANDARD CONDITIONS SC15 (kW)
GPC	3 - 58
GMC	43 - 120
GSC	108 - 525

Standard Conditions SC15: Air inlet Tª 25, Condensing Tª 40°C. Available air pressure 150Pa

MAIN FEATURES

With more than 400 years of combined experience in design, production and distribution and doing business in over 125 countries, ENEX TECHNOLOGIES Centrifugal Condenser HFC-HFO line offers customers a wide spectrum of benefits including, but not limited to:

HIGH PERFORMANCE FOR INNDOR USE

• With CENTRIFUGAL fans up to 150PA available pressure.

• Staggered arrangement of inner grooved copper tubes across self-spaced fins, the accurate link between tubes and fins as well as the use of louvered fins allows our coils to reach the highest performance.

LONG PRODUCT LIFE

• We use only Strong and robust design includes high quality components to meet all thermodynamic and product life cycle requirements.

• 10 surface treatments available to increase theproduct life cycle in challenging environments.

CUSTOMIZATION ON DEMAND

• Highest level of customization available to meet application requirements.

SELECTION SOFTWARE

• EPS – ENEX TECHNOLOGIES Product Selector gives customers flexibility in adjusting settings as parameters of the application change.

SAFETY & RELIABILITY

• Resistance and leaks tests up to 43 bar
• Burst tests up to 90 bar
• Equipment pressurized with nitrogen at 2bar

SUSTAINABILITY

• A2L READY
• Low GWP refrigerants:
  - R1234yf: GWP=4
  - R1234ze: GWP=6
  - R455A: GWP=145
  - R454C: GWP=146

TECHNICAL FEATURES

NOMENCLATURE

G M C 44 150PA

Size of equipment
P = Small
M = Medium
Typology
C = Centrifugal fan
Model
Fan available pressure

G S C 7 74 150PA

Size of equipment
S = Large
Typology
C = Centrifugal fan
Nº of fans
7 = 7 fans
Model
Fan available pressure

FINNED COILS

• Inner grooved copper tubes Ø 3/8" and 12mm are built in compliance with CUPROCLIMA specifications.
• The staggered arrangement of copper tubes across self-spaced, louvered fins accurately links tubes and fins for higher coil performance.
• FLOATING PACK SYSTEM allows coils to levitate to avoid leaks.
• All coils are subjected to resistance and leakage tests under a rated pressure of 43 bar (PS 30bar) and pressurized using nitrogen at 2 bar to avoid inner surface corrosion of the copper tubes.

CASING

• Manufactured in galvanized steel (painted as optional).
• Interchangeable air outlet panels.
• Internal separators avoid the "by-pass" effect during sequential operation of fans.
• Metallic protection on connections and return bends.
• Plates are readily easily dismounted from the casework giving an easy andfor fast access to the inside of the unit.

FAN MOTORS

• GPC (direct drive: 900-1300 rpm), GMC (direct drive: 900 rpm), GSC (belt drive: 620-780 rpm).
• Centrifugal fans: 230V/400V III @ 50Hz.
• Motors have class B insulation, grade IP-44 protection, a thermal protection device and operate at a temperature range from –25° C up to + 55° C.
• Up to 1500 PA available air pressure.
• Motors are housed inside an easy-access metallic support.

HFC-HFO CONDENSERS
CENTRIFUGAL CONDENSER- GPC/GMC/GSC

OPTIONS & ACCESORIES

COIL

• Copper Fins
• Coated Fins
• AquaAero treatment
• Blygold treatment
• Multicircuit

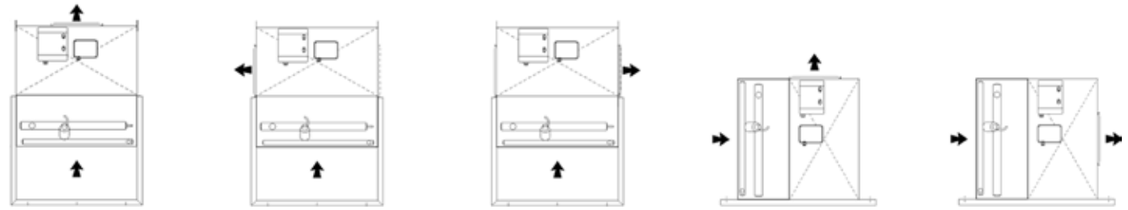
CASING

• Painted casing
• Excessive Pressure Dampers
• Acoustic Isolation
• Silent blocks
• Legs (for horizontal coil GPC)
• Box for RACK installation

ELECTRICAL OPTIONS

• Wiring into centralized box
• Shielded Wiring
• Individual service switch by fan

AIR DIRECTION POSSIBILITIES



V
Horizontal Coil

HL
Horizontal Coil

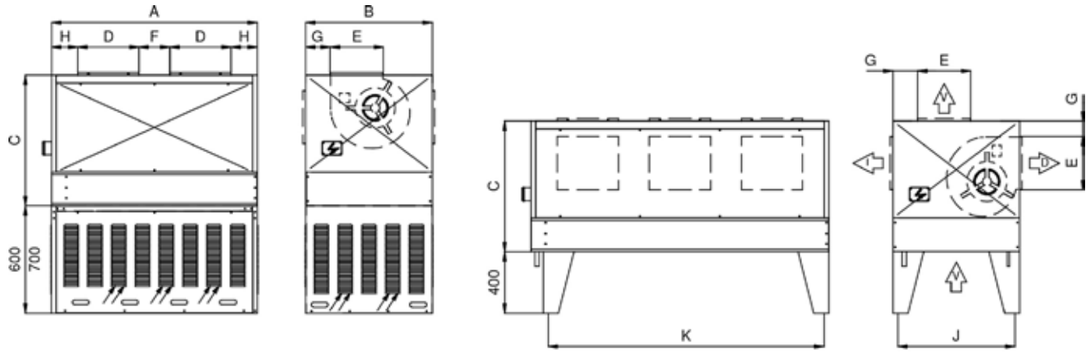
HR
Horizontal Coil

V
Vertical Coil

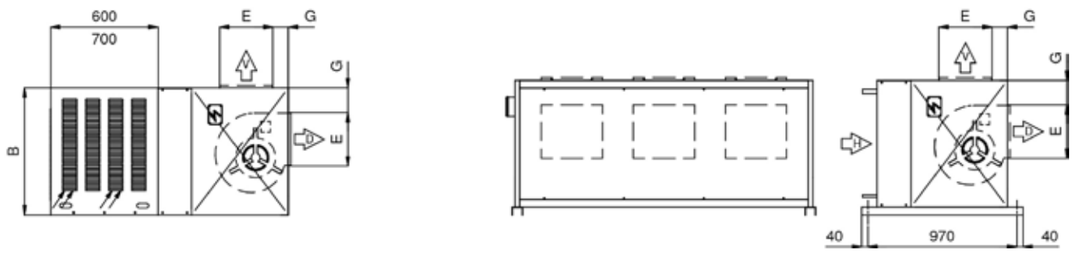
H
Vertical Coil

PRODUCT RANGE OVERVIEW · GPC

Horizontal coil



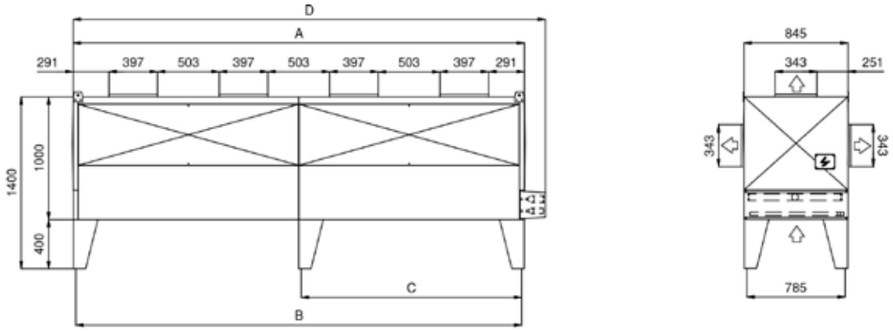
Vertical coil



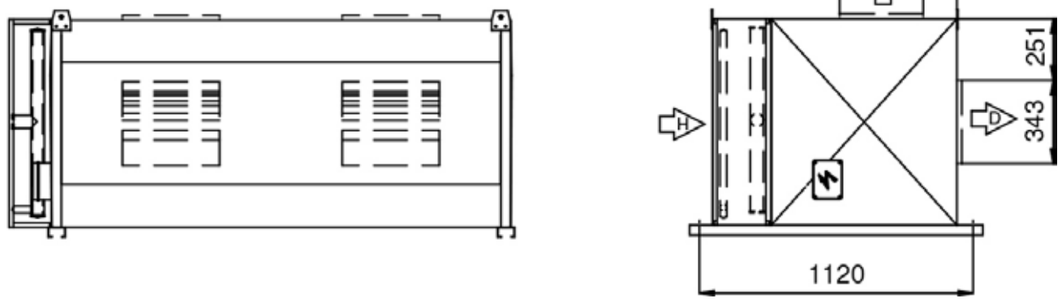
MODEL	DIMENSIONS (mm)										ELECTRIC CONNECTION					COOLING CONNECTIONS	
	A	B	C	D	E	F	G	H	J	K	N°	r.p.m.	W	230V(A)	400V(A)	INLET	OUTLET
GPC-12	575	490	700	300	265		75	138	430	435	1	900	200	1,8		3/8"	3/8"
GPC-22	575	490	700	300	265		75	138	430	435	1	1400	373	3,9		5/8"	1/2"
GPC-32	575	490	700	300	265		75	138	430	435	1	1400	373	3,9		5/8"	1/2"
GPC-52	575	490	700	300	265		75	138	430	435	1	1400	373	3,9		5/8"	1/2"
GPC-62	745	825	850	335	292		160	205	765	605	1	900	245	3,1		7/8"	3/4"
GPC-72	745	825	850	335	292		160	205	765	605	1	900	245	3,1		1/8"	7/8"
GPC-82	745	825	850	395	345		160	175	765	605	1	900	1300	5,95	3,44	7/8"	3/4"
GPC-92	745	825	850	395	345		160	175	765	605	1	900	1300	5,95	3,44	1/8"	7/8"
GPC-142	1.345	825	850	395	345	205	160	175	765	1.205	2	900	2600	11,9	6,88	1/8"	7/8"
GPC-152	1.345	825	850	395	345	205	160	175	765	1.205	2	900	2600	11,9	6,88	1/8"	7/8"
GPC-162	1.345	825	850	395	345	205	160	175	765	1.205	2	900	2600	11,9	6,88	1/8"	7/8"
GPC-182	1.945	825	850	395	345	205	160	175	765	1.805	3	900	3900	17,85	10,32	1 5/8"	1 1/8"
GPC-192	1.945	825	850	395	345	205	160	175	765	1.805	3	900	3900	17,85	10,32	1 5/8"	1 1/8"

PRODUCT RANGE OVERVIEW · GMC

Horizontal coil



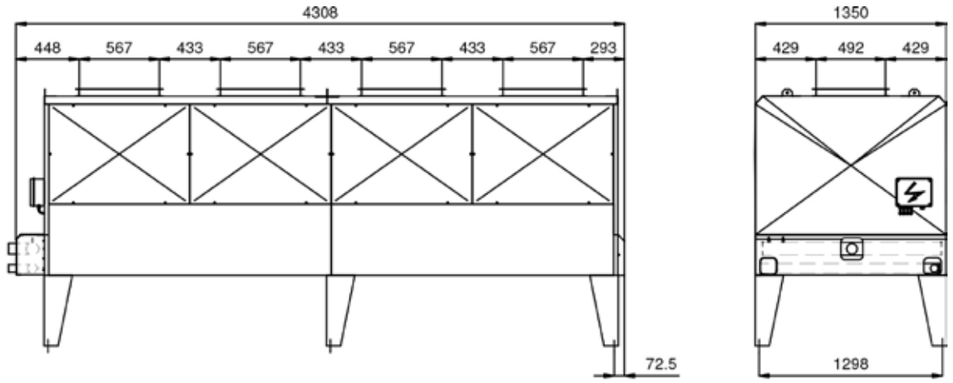
Vertical coil

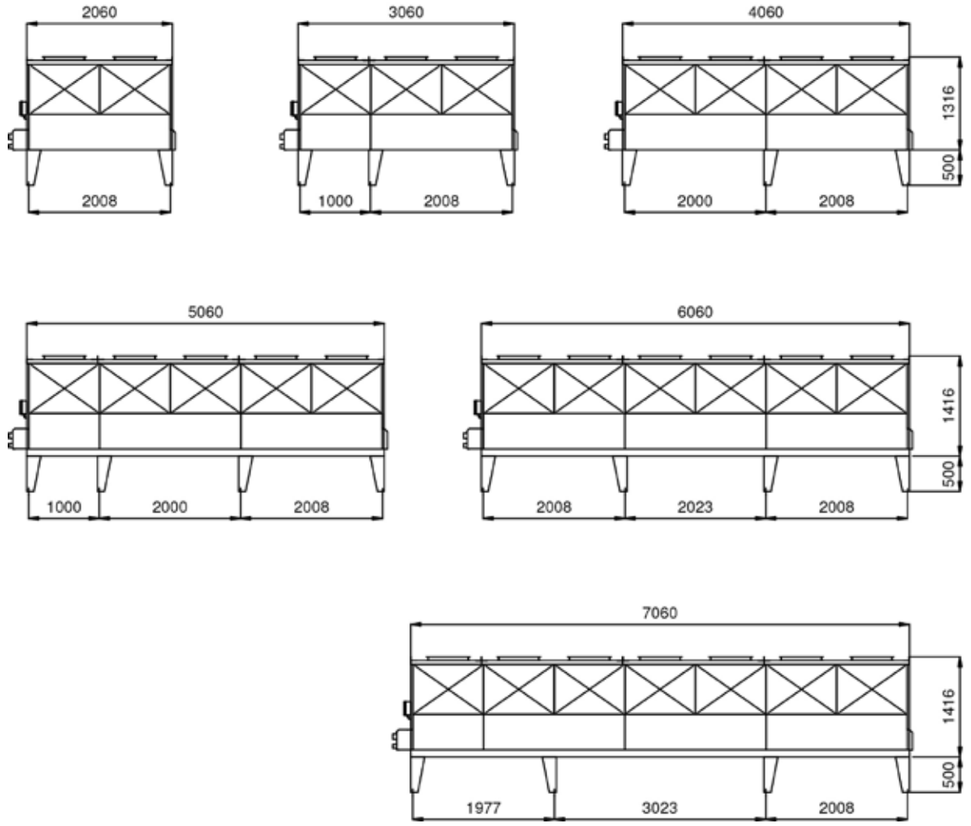


MODEL	DIMENSIONS (mm)				ELECTRIC CONNECTION					COOLING CONNECTIONS	
	A	B	C	D	N°	r.p.m.	W	230V(A)	400V(A)	INLET	OUTLET
GMC-22	1.880	1.820		2.040	2	900	2.600	11,9	6,88	1 5/8"	1 1/8"
GMC-23	1.880	1.820		2.040	2	900	2.600	11,9	6,88	1 5/8"	1 1/8"
GMC-24	1.880	1.820		2.040	2	900	2.600	11,9	6,88	1 5/8"	1 1/8"
GMC-33	2.780	2.720		2.940	3	900	3.900	17,85	10,32	2 1/8"	1 3/8"
GMC-34	2.780	2.720		2.940	3	900	3.900	17,85	10,32	2 1/8"	1 3/8"
GMC-43	3.680	3.620	1.820	3.840	4	900	5.200	23,8	13,76	2 1/8"	1 3/8"
GMC-44	3.680	3.620	1.820	3.840	4	900	5.200	23,8	13,76	2 1/8"	1 3/8"

PRODUCT RANGE OVERVIEW · GSC

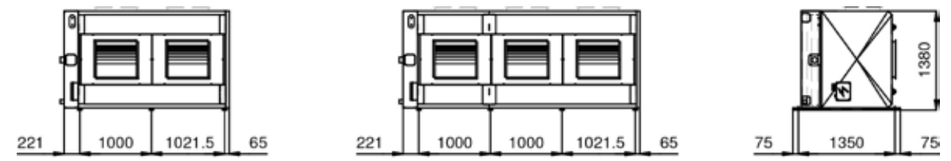
Horizontal coil

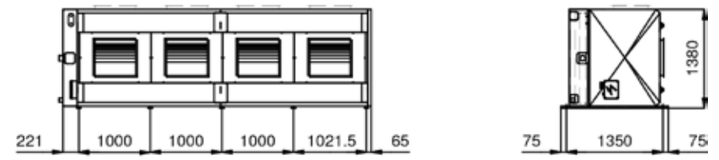


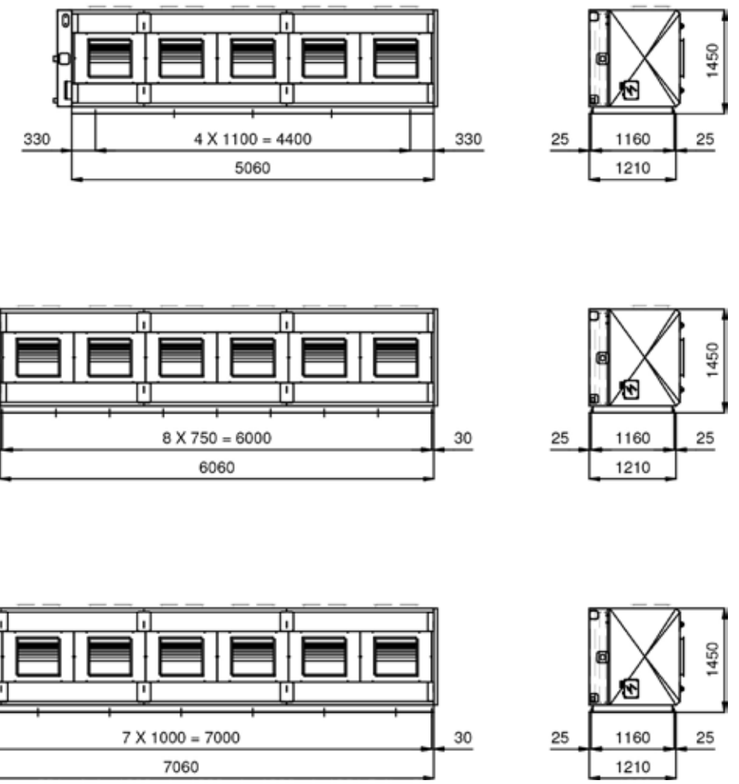


HFC-HFO CONDENSERS
CENTRIFUGAL CONDENSER- GPC/GMC/GSC

Vertical coil







TECHNICAL DATA

Small Fan

Fin pitch = 2,5 mm

Model	Capacity (kW)	Surface	Internal Volume	Air Flow	Noise Level	Fans Data				Inlet Ø	Outlet Ø	Weight
	SC15	m²	dm³	m³/h	dBA (10m)	Nº	kW	A	Rpm	Inch	Inch	kg
GPC-12	2,8	6,0	1,2	1.275	52	1	0,2	1,8	900	3/8"	3/8"	50
GPC-22	5,5	9,0	1,8	2.575	54	1	0,4	3,9	1.400	5/8"	1/2"	50
GPC-32	6,6	12,0	2,4	2.400	54	1	0,4	3,9	1.400	5/8"	1/2"	51
GPC-52	7,8	18,0	3,6	2.100	54	1	0,4	3,9	1.400	5/8"	1/2"	53
GPC-62	10,0	31,2	6,0	2.650	52	1	0,2	3,1	900	7/8"	3/4"	80
GPC-72	11,1	46,8	9,0	2.400	52	1	0,2	3,1	900	1/8"	7/8"	85
GPC-82	16,2	31,2	6,0	5.750	57	1	1,3	6,0	900	7/8"	3/4"	90
GPC-92	19,8	46,8	9,0	5.250	57	1	1,3	6,0	900	1/8"	7/8"	95
GPC-142	26,7	46,8	8,3	12.100	59	2	2,6	11,9	900	1/8"	7/8"	148
GPC-152	32,2	62,4	11,0	11.500	60	2	2,6	11,9	900	1/8"	7/8"	153
GPC-162	39,5	93,5	16,5	10.500	60	2	2,6	11,9	900	1/8"	7/8"	164
GPC-182	48,5	93,5	16,1	17.400	61	3	3,9	17,9	900	1 5/8"	1 1/8"	213
GPC-192	58,3	140,3	24,1	15.600	61	3	3,9	17,9	900	1 5/8"	1 1/8"	230

Medium Fan

Fin pitch = 2,1 mm

Model	Capacity (kW)	Surface	Internal Volume	Air Flow	Noise Level	Fans Data				Inlet Ø	Outlet Ø	Weight
	SC15	m²	dm³	m³/h	dBA (10m)	Nº	kW	A	Rpm	Inch	Inch	kg
GMC-22	43,1	106,0	15,3	13.700	59	2	2,6	11,9	900	1 5/8"	1 1/8"	185
GMC-23	50,3	142,0	20,4	13.200	58	2	2,6	11,9	900	1 5/8"	1 1/8"	198
GMC-24	59,6	214,0	30,6	12.700	58	2	2,6	11,9	900	1 5/8"	1 1/8"	220
GMC-33	75,3	214,0	30,2	19.800	60	3	3,9	17,9	900	2 1/8"	1 3/8"	275
GMC-34	89,5	321,0	45,3	19.050	60	3	3,9	17,9	900	2 1/8"	1 3/8"	310
GMC-43	100,6	248,0	29,9	26.400	61	4	5,2	23,8	900	2 1/8"	1 3/8"	370
GMC-44	119,5	408,0	59,9	25.400	61	4	5,2	23,8	900	2 1/8"	1 3/8"	405

Technical data calculated with 150Pa available air pressure. For other available air pressure, please see our selection software.

HFC-HFO CONDENSERS
CENTRIFUGAL CONDENSER- GPC/GMC/GSC

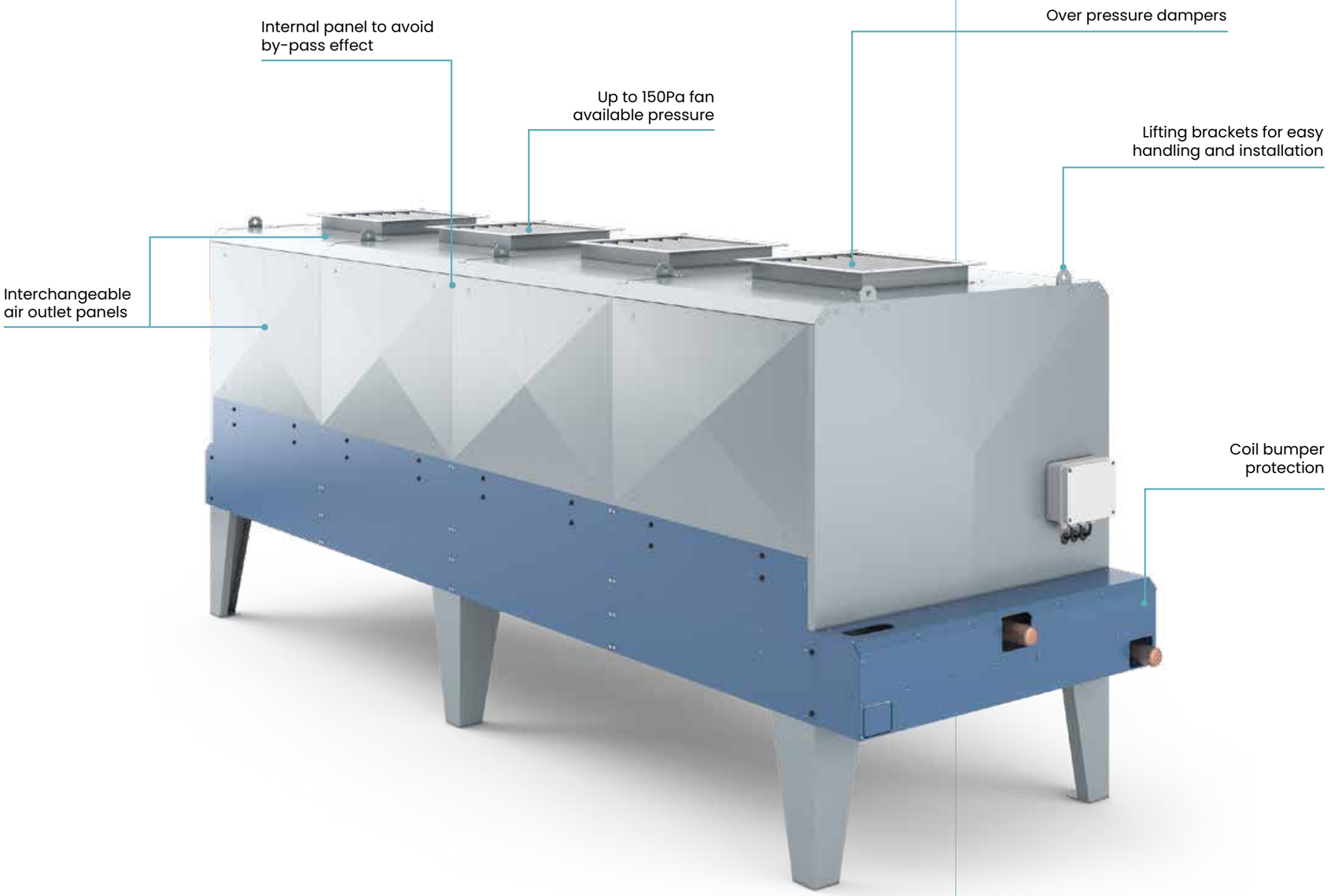
Large Fan

Fin pitch = 2,4 mm

Model	Capacity (kW)	Surface	Internal Volume	Air Flow	Noise Level	Fans Data				Inlet Ø	Outlet Ø	Weight
	SC15	m²	dm³	m³/h	dBA (10m)	Nº	kW	A	Rpm	Inch	Inch	kg
GSC-213	90,0	400,0	58,0	36.000	56	2	2,2	8,8	530	1 5/8"	1 5/8"	480
GSC-232	120,1	400,0	58,0	26.800	58	2	4,4	16,7	580	1 5/8"	1 5/8"	500
GSC-273	152,4	400,0	58,0	37.600	66	2	11,0	38,0	770	1 5/8"	1 5/8"	540
GSC-313	131,2	600,0	86,0	54.000	58	3	3,3	13,2	530	2 1/8"	2 1/8"	700
GSC-332	181,9	600,0	86,0	40.200	60	3	6,6	25,0	580	2 1/8"	2 1/8"	730
GSC-373	226,0	600,0	86,0	56.400	68	3	16,5	57,0	770	2 1/8"	2 1/8"	790
GSC-413	179,6	800,0	114,0	72.000	59	4	4,4	17,6	530	3"	3"	920
GSC-432	239,8	800,0	114,0	53.600	61	4	8,8	33,3	580	3"	3"	940
GSC-473	305,5	800,0	114,0	75.200	69	4	22,0	76,0	770	3"	3"	1.030
GSC-513	222,3	1000,0	140,0	90.000	60	5	5,5	22,1	530	3"	3"	1.100
GSC-532	298,4	1000,0	140,0	67.000	62	5	11,0	41,7	580	3"	3"	1.230
GSC-573	376,8	1000,0	140,0	94.000	70	5	27,5	95,0	770	3"	3"	1.345
GSC-613	262,7	1200,0	167,0	108.000	61	6	6,6	26,5	530	3"	3"	1.350
GSC-632	359,7	1200,0	167,0	80.400	63	6	13,2	50,0	580	3"	3"	1.450
GSC-673	458,4	1200,0	167,0	112.800	71	6	33,0	114,0	770	3"	3"	1.605
GSC-713	312,2	1400,0	195,0	126.000	61	7	7,7	30,9	530	4 1/4"	4 1/4"	1.580
GSC-732	418,1	1400,0	195,0	93.800	63	7	15,4	58,3	580	4 1/4"	4 1/4"	1.680
GSC-773	535,4	1400,0	195,0	131.600	71	7	38,5	133,0	770	4 1/4"	4 1/4"	1.860

Technical data calculated with 150Pa available air pressure. For other available air pressure, please see our selection software.

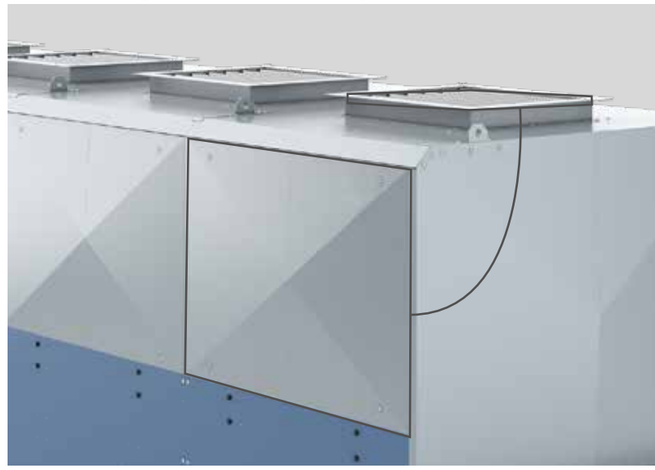
DISTINCTIVE TECHNOLOGICAL CHOICES OF THE RANGE



HFC-HFO CONDENSERS
CENTRIFUGAL CONDENSER- GPC/GMC/GSC

Over pressure dampers

Interchangeable air outlet panels



Internal panel to avoid the by-pass effect

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