

EUROCOIL
HEAT EXCHANGERS

Condensatori Remoti / *Remote Condensers*

PDC | PEC



Condensatori Remoti / Remote Condensers

PDC 3 - PEC 3
PDC 5 - PEC 5

Alta efficienza / High Efficiency



PDC 6 - PEC 6
PDC 8 - PEC 8

Elevata qualità costruttiva / High Quality Construction



DESCRIPTION

Eurocoil PEC and PDC are the new range of remote condensers for commercial and A/C applications with high efficiency axial fans, covering a range of capacity up to 900kW. They guarantee high performances and reliability, thanks to an accurate design and to the Eurocoil's experience in the finned block heat exchangers manufacturing. The wide range of models proposed, allows to find the optimal solution for every applications, in terms of performance and noise level; each model can be customized in order to satisfy every demand.

FINNED BLOCK

It is made by inner grooved copper tubes, and louvered aluminium fins except for models of serie 8, where fins are corrugated. This solution allows to maximize the heat transfer and to achieve excellent performances. The standard fin spacing is 2mm. Before final assembling, each heat exchanger is tested with a pressure 10% higher than the design pressure and charged with 2 bar of dry air.

FRAME

Models of series 3 and 5 are made with aluminium frame, it is the optimal compromise to give corrosion resistance, protection of the copper tubes and strength. Models of series 6 and 8 are made with aluminium and galvanized steel parts, in order to create a strong frame and ensure protection of the copper tubes. External casing is always made of galvanized steel, polyester powder coated, corrosion and UV resistant. Standard color is RAL 9002.

FANS

There are single phase asynchronous fans with built-in thermal protection.

Ø350mm – 1 ph – 4, 6 poles

Ø500mm – 3 ph – 4, 6, 8 poles

Ø630mm – 3 ph – 4, 6, 8 poles

Ø800mm – 3 ph – 6, 8 poles

If required, each condenser can be supplied with electronic controlled fans.

The correct combination of fan, baffle and heat exchanger position are important in order to obtain the best performance in terms of airflow, power consumption and noise.

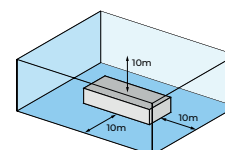
DESIGN PRESSURE

Each product is manufactured in according with CE and PED regulation.

R404A (PDC)	30 bars
R410A (PEC)	45 bars

SOUND LEVEL

Data in the catalogue indicate the sound pressure calculated on the parallelepiped surface with faces at 10m distance, on a reflecting plane.



PERFORMANCES

Nominal capacities are calculated and checked with following operating conditions:

T ambient	25°C
T condensing	40°C
Refrigerant	R404A (PDC)
	R410A (PEC)

CORRECTION FACTOR

Performance of PDC are calculated for working with R404A, according to EN327. At the same operating conditions, performances with other refrigerants can be calculated using the correction factor listed here below

R404A - R507A	R22	R134a	R407C
1	0,96	0,93	0,9

PRODUCT CODE

PEC 3 - 1 1 2 N 1 - R V

1 2 3 4 5 6 7 8 9 10 11

1 Function

PDC = Condenser For R404A

PEC = Condenser For R410A

2 Ø Fans

3 = Ø 350mm

5 = Ø 500mm

6 = Ø 630mm

8 = Ø 800mm

3 Installation

H = Horizontal

V = Vertical

- = Standard

4 Total Number Of Fans

5 Fan Rows

6 Coil Size

7 Noise Level

N = Normal

S = Silent

Q = Quiet

8 Circuits

1 = Single Circuit

2 = Double Circuit

9 Fins

- = Aluminium

P = Pre Coated

10 Regulation Options

- = Without Controller

R = Cut-Phase Speed Controller (Master)

S = Cut-Phase Speed Controller (Slave)

E = Electronic Fans

11 Electric Features

V = 230V 1Ph 50Hz

W = 230V 1Ph 60Hz

D = 400V 3Ph 50Hz (Delta)

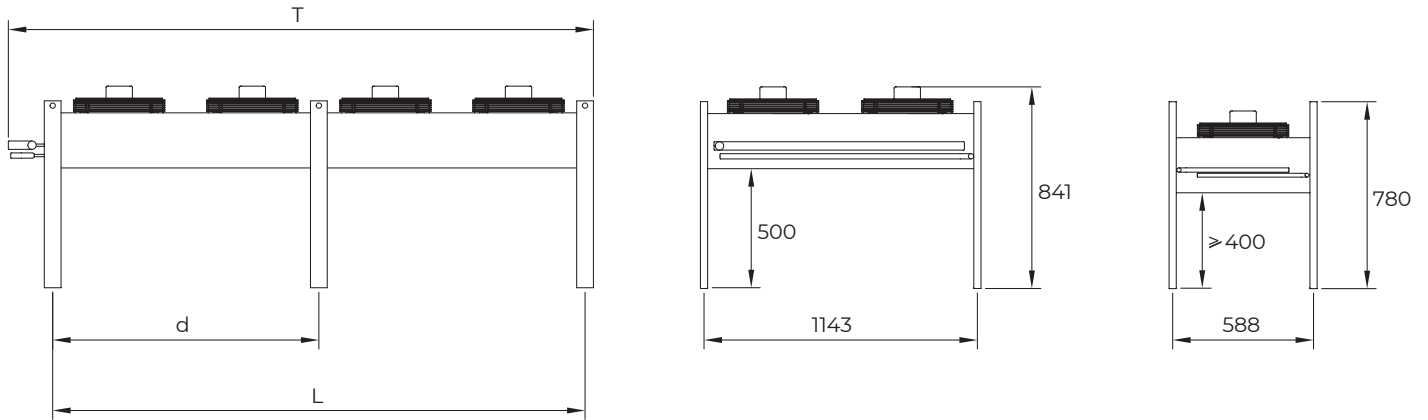
Y = 400V 3Ph 50Hz (Star)

T = 400V 3Ph 60Hz (Delta)

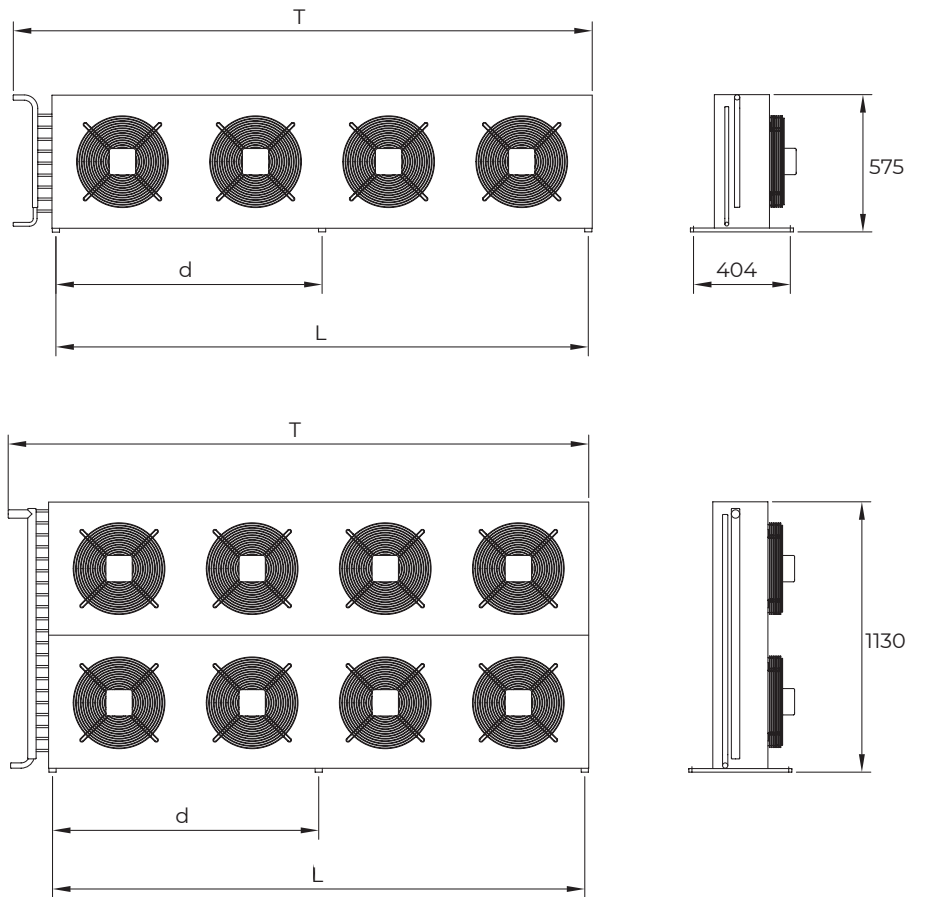
Z = 400V 3Ph 60Hz (Star)

SERIE N

FANS	MODEL	AIRFLOW [m³/h]	CAPACITY [kW]	CONNECTION		SOUND LEVEL [dBA]	POWER CONSUMPTION [W]
				Ø in [mm]	Ø out [mm]		
●	PEC3-112-N	2.560	8	16	12	39	170
	PEC3-113-N	2.400	9,8	16	12	39	170
	PEC3-114-N	2.260	10,4	16	12	39	170
●●	PEC3-212-N	5.120	15,8	18	16	42	340
	PEC3-213-N	4.800	19,5	18	16	42	340
	PEC3-214-N	4.520	20,8	18	16	42	340
●●●	PEC3-312-N	7.680	24,5	22	16	44	510
	PEC3-313-N	7.200	29,4	22	16	44	510
	PEC3-314-N	6.780	31,2	22	16	44	510
●●●●	PEC3-412-N	10.240	32,4	22	16	45	680
	PEC3-413-N	9.600	39,2	22	16	45	680
	PEC3-414-N	9.040	41,7	22	16	45	680
●●●●●	PEC3-422-N	10.240	31,7	22	16	45	680
	PEC3-423-N	9.600	39,1	22	16	45	680
	PEC3-424-N	9.040	41,6	22	16	45	680
●●●●●●	PEC3-622-N	15.360	49,1	28	18	47	1.020
	PEC3-623-N	14.400	58,7	28	18	47	1.020
	PEC3-624-N	13.560	62,4	28	18	47	1.020
●●●●●●●	PEC3-822-N	20.480	64,7	28	18	49	1.360
	PEC3-823-N	19.200	78,4	35	22	49	1.360
	PEC3-824-N	18.080	83,4	35	22	49	1.360



Installazione orizzontale / Horizontal Installation



Installazione verticale / Vertical Installation

	•	••	•••	••••	••	•••	••••
A [mm]	748	1303	1858	2413	1303	1858	2413
B [mm]	555	1111	1667	2222	1111	1167	2222
C [mm]	-	-	-	1111	-	-	1111



L'AZIENDA

Eurocoil, nata nel 1995 dall'esperienza ventennale dei suoi fondatori, è cresciuta in questi anni qualitativamente e quantitativamente grazie al contributo razionale e creativo di un gruppo di collaboratori qualificati e dinamici.

La nostra organizzazione, infatti, ha saputo mettere a disposizione della Clientela non solo flessibilità e supporto tecnico, ma anche capacità nel proporre soluzioni alle problematiche che quotidianamente scaturiscono dal mercato.

Eurocoil ha dimostrato, in questi vent'anni, di essere un partner affidabile e qualificato per tutte le aziende che operano nei settori del riscaldamento, condizionamento civile e industriale, refrigerazione o dove sia richiesto un trattamento termico dell'aria.

THE COMPANY

Eurocoil was born in 1995 thanks to the twenty-year old experience of its founders. In a short time it increased its size and though the cooperation of a qualified and skillful team it improved its quality and it managed to rise a noteworthy position on the European market.

Such achievement was the result of an organization which always put flexibility and technical support at customer's disposal, but also capability to solve everyday problems by remarkable ability.

That's why Eurocoil has shown in these twenty years to be a reliable and eligible partner for all operators on heating sector, private and industrial air conditioning, refrigeration and wherever an air heat treatment is required.



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