

# CTK - E

0040 D ↔ 0450 D



Refrigerant  
R410A | GWP=2.088



Refrigerant  
R407C | GWP=1.774



Axial fan

Remote air cooled condensers with axial fans



## Configuration

B - Base

## Operation

ST - Standard

LN - Low noise (with EC fans)

## Solution

FV - Vertical air flow

FO - Horizontal air flow

Capacity 14 - 145 kW

<b>Housing</b>	Frame made of peralluman to ensure total mechanical and weathering resistance.
<b>Air heat exchanger</b>	Finned coil made with copper pipes and aluminium fins offering a high exchange surface area.
<b>Fan</b>	Low speed, axial-flow fans fitted with accident-prevention protective grille; directly coupled motor with built-in thermal cutout and IP 54 protection degree; aerodynamic housing and wing profile blades increase efficiency (LN Type with EC fans).
<b>Electrical board</b>	IP55 protection degree, complete with main isolator.

## ACCESSORIES

- Modulating fan speed condensing control
- Special configuration with fan made in accordance with the ATEX directive for potentially explosive areas
- Anti-vibration mounts for vibration damping
- Grid battery protection. It protects the battery against accidental impacts during transport and operation.
- Prepainted aluminum fins
- Copper/copper coil
- Housing in stainless steel (AISI 304 - AISI 316)
- Special treatment of the coils to high level of corrosion environments. Euroklimat offers a number of solutions including Electrofin®, Blygold®, Heresite® and many others. Contact Euroklimat for more information.
- Flooding condensing control
- Fans with EC motor

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Remote air cooled condensers with axial fans

CTK.E	0040 D	0050 D	0080 D	0100 D	0120 D	0150 D	0180 D	0220 D	0300 D	0350 D	0400 D	0450 D
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ST TYPE													
Nominal capacity(1)	kW	14,8	25,0	31,8	37,3	49,7	57,5	62,5	73,6	99,1	113,1	127,4	145,3
Independent gas circuit	n°	1	1	1	1	1	1	1	1	1	1	1	1
Total air flow	m3/h	4500	8000	9200	8700	15800	15200	18000	17200	27000	25500	36000	34000
Fans type	-	Axial											
Fans quantity	n°	1	1	1	1	2	2	2	2	3	3	4	4
Fans power input (tot.)	kW	0,30	0,68	0,68	0,68	1,36	1,36	1,36	1,36	1,89	1,89	2,52	2,52
Fans absorbed current (tot.)	A	1,3	3,1	3,1	3,1	6,2	6,2	6,2	6,2	9,0	9,0	12,0	12,0
Sound pressure(2)	dB(A)	59	63	68	68	66	66	71	71	73	73	74	74

LN TYPE													
Nominal capacity(1)	kW	12,0	20,5	26,0	30,1	41,9	44,9	52,0	58,5	81,7	91,3	105,2	118,0
Independent gas circuit	n°	1	1	1	1	1	1	1	1	1	1	1	1
Total air flow	m3/h	3500	6000	7000	6700	12400	11000	14000	13000	22300	21200	29200	27600
Fans type	-	Axial											
Fans quantity	n°	1	1	1	1	2	2	2	2	3	3	4	4
Fans power input (tot.)	kW	0,14	0,33	0,33	0,33	0,66	0,66	0,66	0,66	0,93	0,93	1,24	1,24
Fans absorbed current (tot.)	A	0,7	1,6	1,6	1,6	3,2	3,2	3,2	3,2	4,7	4,7	6,2	6,2
Sound pressure(2)	dB(A)	56	60	65	65	63	63	68	68	70	70	71	71

Power supply	V/ph/Hz + T	230V/1/50Hz											
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DIMENSIONS AND WEIGHT - ST Type - FO Solution													
Lenght (L)	mm	974	1124	1374	1374	1809	1809	2489	2489	3405	3405	4140	4140
Depth (P)	mm	660	660	660	660	755	755	755	755	780	780	780	780
Height (H)	mm	740	910	1110	1110	1110	1110	1110	1110	1130	1130	1130	1130
Shipping weight	Kg	46	56	80	95	133	152	163	191	190	220	235	275

DIMENSIONS AND WEIGHT - LN Type - FO Solution													
Lenght (L)	mm	974	1124	1374	1374	1809	1809	2489	2489	3405	3405	4140	4140
Depth (P)	mm	670	720	820	820	820	820	820	820	890	890	890	890
Height (H)	mm	740	910	1110	1110	1110	1110	1110	1110	1130	1130	1130	1130
Shipping weight	Kg	47	57	76	91	125	145	155	183	190	220	235	275

DIMENSIONS AND WEIGHT - ST Type - FV Solution													
Lenght (L)	mm	974	1124	1374	1374	1809	1809	2489	2489	3215	3215	3965	3965
Depth (P)	mm	790	962	1162	1162	1162	1162	1162	1162	1130	1130	1130	1130
Height (H)	mm	1015	1055	1055	1055	1155	1155	1155	1155	900	900	900	900
Shipping weight	Kg	49	59	83	98	136	155	166	194	190	220	235	275

DIMENSIONS AND WEIGHT - LN Type - FV Solution													
Lenght (L)	mm	974	1124	1374	1374	1809	1809	2489	2489	3215	3215	3965	3965
Depth (P)	mm	790	962	1162	1162	1162	1162	1162	1162	1130	1130	1130	1130
Height (H)	mm	1070	1120	1220	1220	1220	1220	1220	1220	900	900	900	900
Shipping weight	Kg	50	60	79	94	128	148	158	186	190	220	235	275

**Note:**

- (1) External air 35°C - Condensation temperature 52°C (Dew point)
- (2) Sound pressure measured at 5 m in open field conditions

# CTK - C

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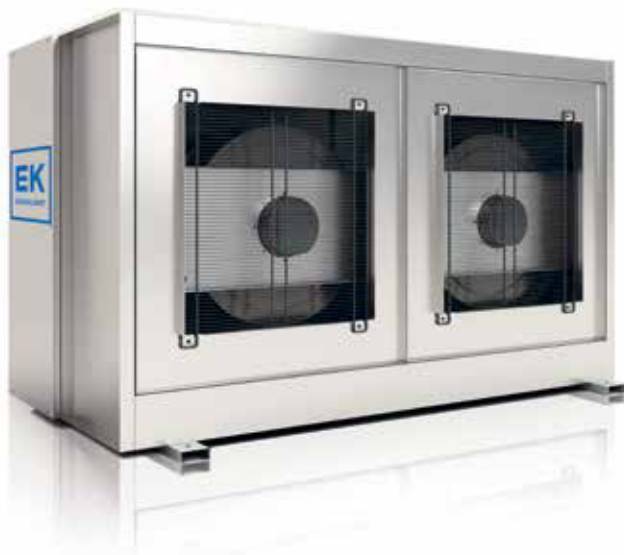


Refrigerant  
R407C | GWP=1.774



PLUG FAN

Remote air cooled condensers with radial fans



## Configuration

B - Base

## Operation

ST - Standard

LN - Low noise

## Solution

FV - Vertical air flow

FO - Horizontal air flow

Capacity 14 - 145 kW

<b>Housing</b>	Frame made of peralluman to ensure total mechanical and weathering resistance.
<b>Air heat exchanger</b>	Finned coil made with copper pipes and aluminium fins offering a high exchange surface area.
<b>Fan</b>	Fan units are new-generation; plug fan type with "EC" motor with electronic commutation in order to maximize energy savings and adjust the amount of air necessary to the environment.
<b>Electrical board</b>	IP55 protection degree, complete with main isolator.

## ACCESSORIES

- Modulating fan speed condensing control
- Special configuration with fan made in accordance with the ATEX directive for potentially explosive areas
- Anti-vibration mounts for vibration damping
- Grid battery protection. It protects the battery against accidental impacts during transport and operation.
- Prepainted aluminum fins
- Copper/copper coil
- Housing in stainless steel (AISI 304 - AISI 316)
- Special treatment of the coils to high level of corrosion environments. Euroklimat offers a number of solutions including Electrofin®, Blygold®, Heresite® and many others. Contact Euroklimat for more information.

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Remote air cooled condensers with radial fans

CTK.C	0040 D	0050 D	0080 D	0100 D	0120 D	0150 D	0180 D	0220 D	0300 D	0350 D	0400 D	0450 D
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ST TYPE													
Nominal capacity(1)	kW	14,8	25,0	31,8	37,3	49,7	57,5	62,5	73,6	99,1	113,1	127,4	145,3
Indipendent gas circuit	n°	1	1	1	1	1	1	1	1	1	1	1	1
Total air flow	m3/h	4500	8000	9200	8700	15800	15200	18000	17200	27000	25500	36000	34000
External static pressure	Pa	30-300	30-300	30-300	30-300	30-300	30-300	30-300	30-300	30-300	30-300	30-300	30-300
Fans type	-	Plug Fan											
Fans quantity	n°	1	1	1	1	2	2	2	2	3	3	4	4
Fans power input	kW	1,1	1,3	1,4	1,4	2,5	2,6	2,9	3,0	4,3	4,32	5,8	5,8
Sound pressure(2)	dB(A)	80	75	78	77	78	78	81	80	82	80	84	83

LN TYPE													
Nominal capacity(1)	kW	12,0	20,5	26,0	30,1	41,9	44,9	52,0	58,5	81,7	91,3	105,2	118,0
Indipendent gas circuit	n°	1	1	1	1	1	1	1	1	1	1	1	1
Total air flow	m3/h	3500	6000	7000	6700	12400	11000	14000	13000	22300	21200	29200	27600
External static pressure	Pa	30-300	30-300	30-300	30-300	30-300	30-300	30-300	30-300	30-300	30-300	30-300	30-300
Fans type	-	Plug Fan											
Fans quantity	n°	1	1	1	1	2	2	2	2	3	3	4	4
Fans power input	kW	0,7	0,9	1,1	1,1	2,4	2,3	2,2	2,0	3,3	3,1	4,4	4,1
Sound pressure(2)	dB(A)	76	70	68	59	76	77	76	75	78	78	80	79

Power supply	V/ph/Hz + T	400/3/50											
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DIMENSIONS AND WEIGHT - ST/LN Type - FO Solution													
Lenght (L)	mm	974	1124	1374	1374	1809	1809	2489	2489	3289	3289	4389	4389
Depth (P)	mm	830	950	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050
Height (H)	mm	740	910	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110
Shipping weight	Kg	62	104	107	122	175	194	216	244	296	381	386	426

DIMENSIONS AND WEIGHT - ST/LN Type - FV Solution													
Lenght (L)	mm	974	1124	1374	1374	1809	1809	2489	2489	3289	3289	4389	4389
Depth (P)	mm	950	950	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050
Height (H)	mm	780	780	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
Shipping weight	Kg	64	104	107	122	175	194	216	244	296	381	386	426

**Note:**

- (1) External air 35°C - Condensation temperature 52°C (Dew point)
- (2) Sound pressure measured at 1 m in open field conditions