HFC W GLYCOL

HEATCRAFT Worldwide Refrigeration

Cubic unit cooler

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

Commercial and semi industrial 3C-E range

3C ESSENTIAL

- The 3C-E range is designed for ommercial and semi industrial refrigeration applications or low temperature storage.
- Guard design with air stream straighteners guaranteeing excellent air flow.
- The drain pan is designed with rounded corners and a base sloping toward the drain pipe to ensure maximum safety and hygiene.
- Supplied with factory wired fans as standard.



E Solutions
Efficiency • Environment

Natural fluids:
Glycol water

1 ▁▂▃▅ 32 kW

FRIGA-BOHN

HK REFRIGERATION

Heatcraft reserves itself the right to make changes at any time without preliminary notice - Photos non-contractual

3C-E - Cubic commercial and semi industrial unit cooler

Market segments



- *Bars - Restaurants - Corner shops - Mini-markets*
- *Hard Discount - Supermarkets - Hypermarkets*
- *Refrigerated storage and transit stocking - Dispatch centres - Food processing*

Designation

3C-E(1) 3(2) 4(3) 54(4)-R(5)

(1) **ESSENTIAL** range
(2) Fan diameter: **3** = Ø 300 mm - **4** = Ø 450 mm
(3) Number of fans
(4) Model
(5) Fin spacing: **R/E** = 4 mm - **L/C** = 6 mm

Description

Casing

- The aesthetic, white pre-painted galvanized sheet steel casing enables easy cleaning of the unit.
- Articulated drain pan with rounded corners to eliminate condensate retention zones and no sharp or cutting edges to guarantee total safety.

Ventilation

- 3C-E range is fitted with permanently lubricated, axial fans, factory wired:
  - Ø 300 mm: standard type, 230 V/1/50-60 Hz, enclosed motor, class B, internal overload protection.
  - Ø 450 mm: standard type, 230-400 V/3/50 Hz, enclosed motors with drain holes, IP54, class F, internal overload protections to be connected.
  - Plastic fan guard with air stream straighteners guaranteeing maximum air throw in compliance with safety standards.

Coil

- The highly efficient and compact 3C-E range finned coils are designed with aluminium fins (fin spacing 4 or 6 mm) and internally grooved copper tubes.
- The coils are supplied via a Venturi distributor.
- Coils for using the same unit cooler in positive or negative application.
- Multi refrigerant (HFC) coil.
- CO_2 or water glycol as an option on the entire range.

Defrost

- Depending on the condition in the cold room, different level of defrost capacity are available factory wired or delivered as kits (see table below).
- Shielded electric heating elements are inserted in the sleeved tubes in the finned coil.
- One of the heaters is fastened under the intermediate drain pan. This facility enables homogenous heat distribution for fast and efficient defrosting.
- **3C-E .. E/C range:** standard, he heaters are factory wired to a terminal block in a sealed junction box and connected for 400V/3.
- **3C-E .. R/L range:** optional heaters and wiring (E1U and E2U).
- 230 V 3-phase or 230 V 1-phase connection possible.
- The condensate is recovered in an intermediate drain pan and then drained via a large drain fitting (Ø 1"G).
- Hot gas or glycol water defrost in option.

Certifications

Avantages

Installation / Entretien / Maintenance
Large space available for easy installation of the expansion valve.
Large electrical enclosure rendering maintenance tasks easier.
Easy removable side panels and articulated drain pans (interior and exterior), offering fast and easy access to all unit cooler elements (coil, fans, defrost heaters, connections...).

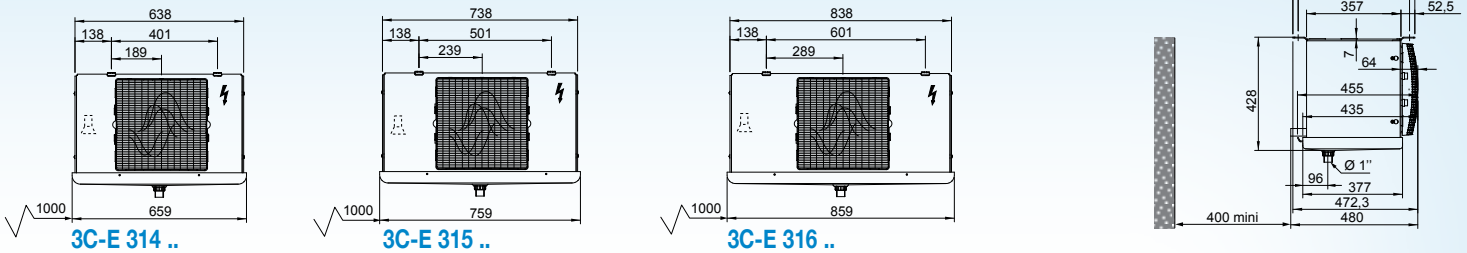
Options

Kit	Factory	
		Casing
DPK		Intermediate drain pan Kit (3C-E .. R/L).
		Ventilation
	2V5	Two-speed fan 400V/3/50Hz (Ø 450mm).
	MM5	Fan 230V/1/50Hz (Ø 450mm).
	M60	**Ø 300 mm**: 400V/3/50-60H (adapted fan blades). **Ø 450 mm**: 230-400V/3/50-60Hz (adapted fan blades).
		Coil
	BAE	Paint coil protection.
	BXT	Blygold Polual XT coil protection.
	WCO	Glycol water, coolant (please contact us for details).
		Defrost
	HG1	Hot gas (coil: hot gas, drain pan: electric heating elements).
E1K	E1U	Light electric defrost: 3 coil heaters
E2K	E2U	Intermediate electric defrost: 2 coil heaters + 1 drain pan heater + intermediate drain pan.
E3K		Full electric defrost: 5 coil heaters + 1 drain pan heater + intermediate drain pan.
2TH		Defrost and safety thermostats (5709L + 5708L).
THD		Defrost thermostat (5709L).
THS		Safety thermostat (5708L).

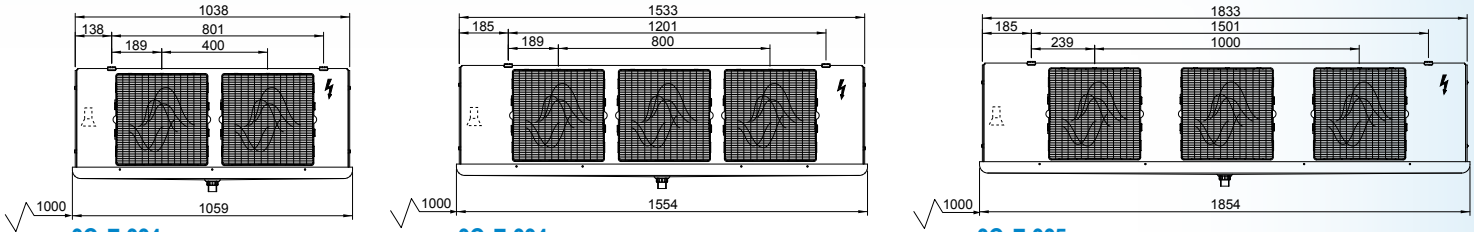
		Mounting		Number of heaters			
				Ø 300 mm		Ø 450 mm	
Defrost	Models	Kit	Factory	Coil	Drain pan	Coil	Drain pan
Light	3C-E .. R/L	E1K option	E1U option	3*	-	3	-
Intermediate	3C-E .. R/L	E2K option	-	2	1	5	1
	3C-E .. E/C	-	E2U option				
Full	3C-E .. R/L	E3K option	-	5*	1	8	1
	3C-E .. E/C	-	Standard				

** Except for model 3142 = 2 coil heaters*

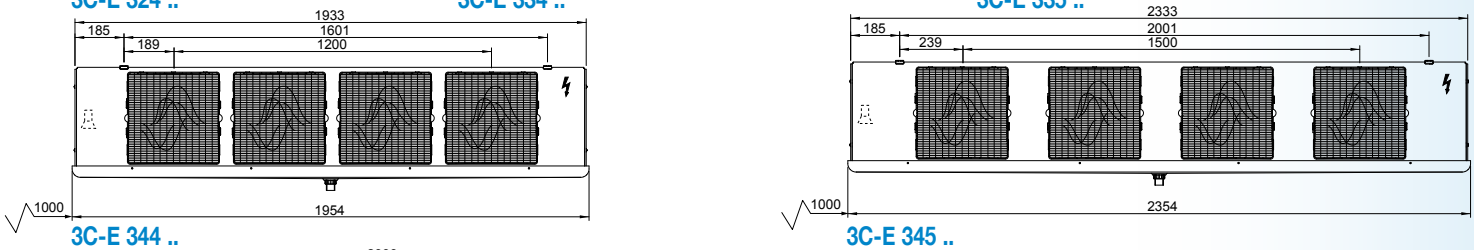
Ø 300 mm



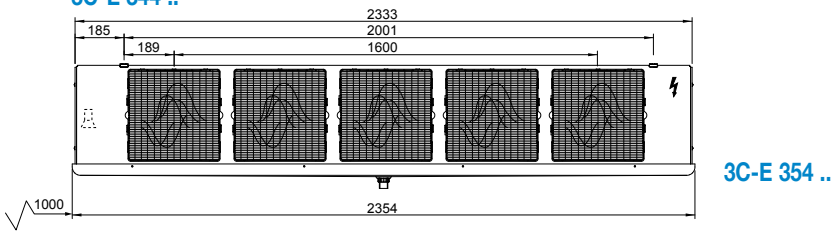
3C-E 314 .. 3C-E 315 .. 3C-E 316 ..



3C-E 324 .. 3C-E 334 .. 3C-E 335 ..

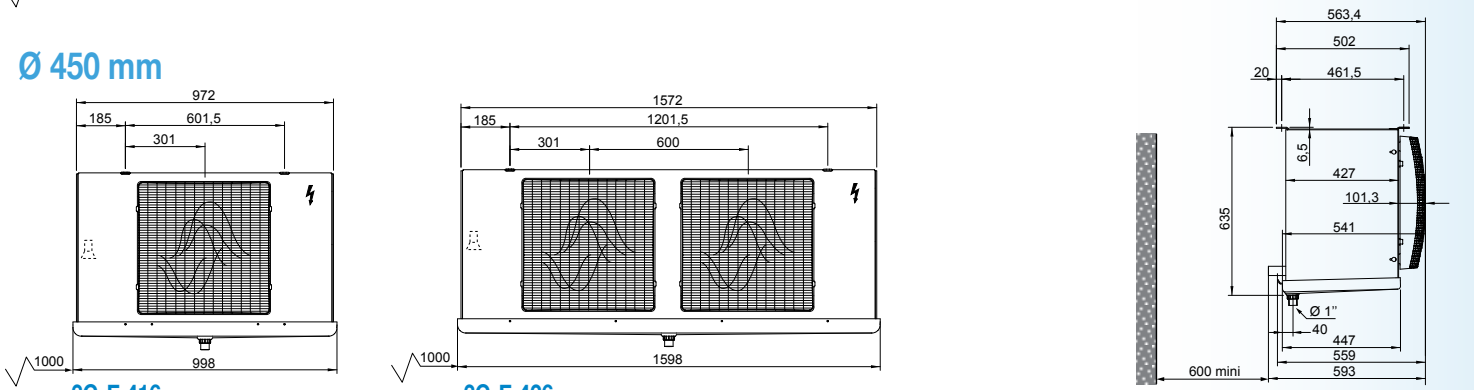


3C-E 344 .. 3C-E 345 ..

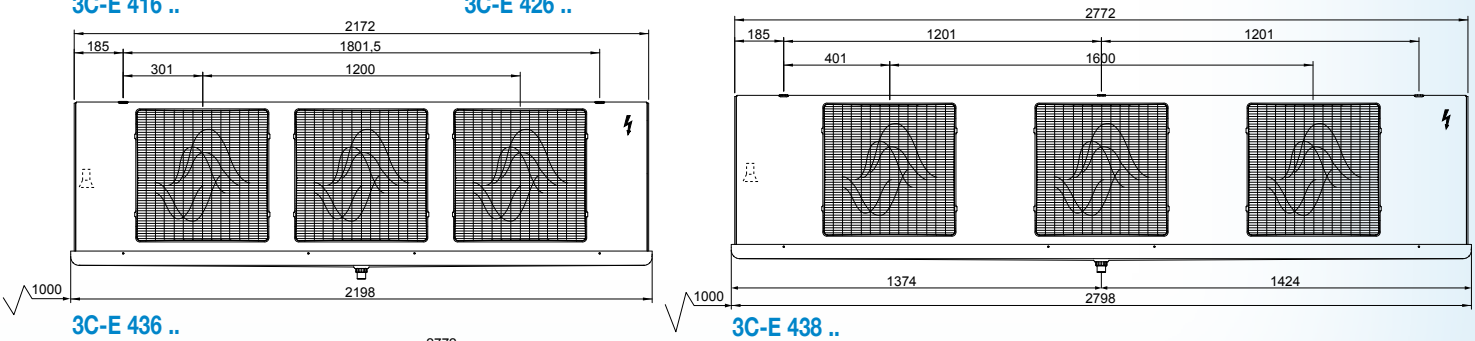


3C-E 354 ..

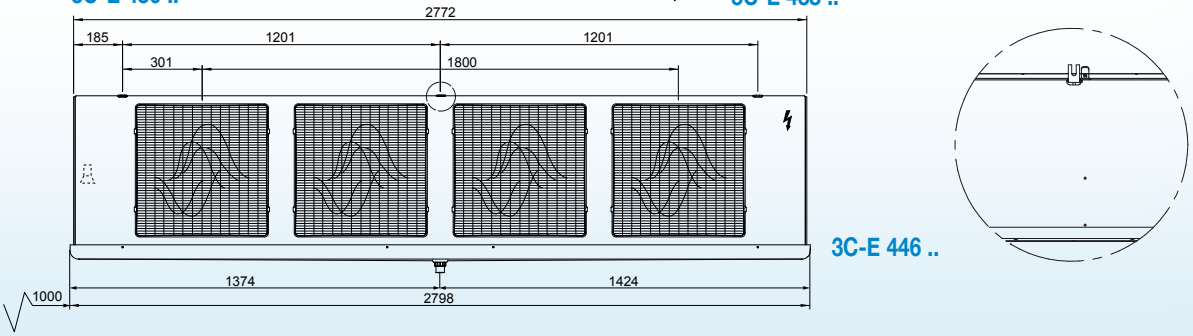
Ø 450 mm



3C-E 416 .. 3C-E 426 ..



3C-E 436 .. 3C-E 438 ..



3C-E 446 ..

3C-E ... R

4 mm

		3C-E .... -R	3142	3143	3145	3155	3165	3243	3244	3245	3343	3344	4165	3354	4166
Capacity R404A (1)	DT1 = 8 K - SC2	kW	1,45	1,83	2,24	2,64	2,95	3,78	4,29	4,63	5,73	6,49	7,39	7,57	7,97
Capacity W (6)	DT1 = 8K	kW	1,49	1,93	2,77	3,29	3,57	3,88	4,58	5,30	5,43	6,55	7,88	8,56	8,56
Surface		m^2	4,1	6,1	10,2	12,8	15,4	12,3	16,4	20,5	18,4	24,6	23,0	30,7	27,6
Circuit volume		dm^3	0,6	1,0	1,6	2,0	2,4	1,9	2,6	3,2	2,9	3,9	3,6	4,8	4,4
Air flow		m^3/h	1290	1190	1010	1140	1230	2380	2190	2030	3560	3280	4250	3630	4060
Fan 1500 r.p.m.	Air throw (2)	m	15	14	12	14	15	17	16	15	20	19	28	21	27
	Num. x Ø	mm	1x300	1x300	1x300	1x300	1x300	2x300	2x300	2x300	3x300	3x300	1x450	3x300	1x450
	230 V/1/50-60 Hz	W max	100	100	100	100	100	200	200	200	300	300	-	300	-
		A max (3)	0,7	0,7	0,7	0,7	0,7	1,4	1,4	1,4	2,1	2,1	-	2,1	-
	230-400 V/3/50 Hz	W max	-	-	-	-	-	-	-	-	-	-	410	-	410
		A max (3)	-	-	-	-	-	-	-	-	-	-	0,87	-	0,87
Electric defrost E1K (4)		Nb	3	3	3	3	3	3	3	3	3	3	3	3	3
		W Total	870	870	870	1080	1290	1740	1740	1740	2580	2580	2160	3240	2160
	230 V/1/50 Hz	A Total	3,8	3,8	3,8	4,7	5,6	7,6	7,6	7,6	11,2	11,2	9,4	14,1	9,4
	400 V/3/50 Hz	A Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Net weight		kg	14	15	16	18	20	23	24	26	32	35	38	39	40
Dimensions	Length	mm	659	659	659	759	859	1059	1059	1059	1554	1554	998	1854	998
	Width	mm	435	435	435	435	435	435	435	435	435	435	541	435	541
	Height	mm	428	428	428	428	428	428	428	428	428	428	635	428	635
Connections (5) R404A	Inlet	Ø OD	3/8 ODF	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	7/8	5/8	7/8
	Outlet	Ø OD	3/8 ODF	5/8	5/8	5/8	5/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8

		3C-E .... -R	3444	3445	3454	3455	3545	4263	4264	4266	4364	4366	4386	4466
Capacity R404A (1)	DT1 = 8 K - SC2	kW	8,68	9,22	10,14	10,94	11,54	11,54	13,33	16,31	20,21	24,59	30,10	32,47
Capacity W (6)	DT1 = 8K	kW	8,16	9,61	9,74	11,22	11,72	8,27	11,73	16,01	15,72	22,48	26,36	28,15
Surface		m^2	32,8	41,0	41,0	51,2	51,2	27,6	36,9	55,3	55,3	82,9	110,6	110,6
Circuit volume		dm^3	5,2	6,5	6,5	8,1	8,1	4,4	5,8	8,7	8,7	13,1	17,4	17,4
Air flow		m^3/h	4380	4050	4840	4580	5060	9340	8910	8120	13360	12170	13540	16230
Fan 1500 r.p.m.	Air throw (2)	m	22	21	24	23	24	35	34	33	38	36	38	39
	Num. x Ø	mm	4x300	4x300	4x300	4x300	5x300	2x450	2x450	2x450	3x450	3x450	3x450	4x450
	230 V/1/50-60 Hz	W max	400	400	400	400	500	-	-	-	-	-	-	-
		A max (3)	2,8	2,8	2,8	2,8	3,5	-	-	-	-	-	-	-
	230-400 V/3/50 Hz	W max	-	-	-	-	-	820	820	820	1230	1230	1230	1640
		A max (3)	-	-	-	-	-	1,74	1,74	1,74	2,61	2,61	2,61	3,48
Electric defrost E1K (4)		Nb	3	3	3	3	3	3	3	3	3	3	3	3
		W Total	3450	3450	4320	4320	4320	4320	4320	4320	6480	6480	7920	7920
	230 V/1/50 Hz	A Total	-	-	-	-	-	-	-	-	-	-	-	-
	400 V/3/50 Hz	A Total	5,0	5,0	6,2	6,2	6,2	6,2	6,2	6,2	9,4	9,4	11,4	11,4
Net weight		kg	44	47	50	54	57	52	56	63	76	87	105	113
Dimensions	Length	mm	1954	1954	2354	2354	2354	1598	1598	1598	2198	2198	2798	2798
	Width	mm	435	435	435	435	435	541	541	541	541	541	541	541
	Height	mm	428	428	428	428	428	635	635	635	635	635	635	635
Connections (5) R404A	Inlet	Ø OD	5/8	7/8	1'' 1/8	7/8	7/8	7/8	1'' 1/8	1'' 1/8	1'' 1/8	1'' 3/8	1'' 3/8	1'' 3/8
	Outlet	Ø OD	7/8	1'' 1/8	1'' 1/8	1'' 3/8	1'' 3/8	1'' 3/8	1'' 3/8	1'' 3/8	1'' 5/8	2'' 1/8	2'' 1/8	2'' 1/8

(1) See page 12.
(2) Residual air speed: 0.25 m/s.
(3) Setting of overload protection levels. For air temperatures "ti" other than +20 °C, multiply the currents in relation to 293/(273 + "ti") in order to obtain an approximate current value after the chamber temperature is attained.
(4) Electric defrost option.
(5) OD : Male connector - ODF: Female to receive a tube of the same diameter.
(6) Glycol water: Fluid: Percentage of glycol = 30% - Fluid inlet temperature = -8°C – Fluid outlet temperature = -4°C – Air: Inlet dry temp. = +2°C - Relative humidity = 85%
Other conditions: please contact us.

DPK	2V5	MM5	M60	BAE	BXT	WCO	HG1	E1K	E1U	E2K	E2U	E3K	2TH	THD	THS
O	O	O	O	O	O	+1	-	O	O	O	-	O	O	O	O

3C-E ... L

6 mm

		3C-E .... -L	3143	3144	3145	3155	3165	3243	3244	3245	3343	3344	4165	3354
Capacity R404A (1)	DT1 = 8 K - SC2	kW	**1,59**	**1,88**	**2,21**	**2,55**	**2,84**	**3,42**	**3,86**	**4,35**	**4,95**	**6,05**	**6,67**	**6,84**
Capacity W (6)	DT1 = 8K	kW	**1,71**	**2,17**	**2,55**	**3,00**	**3,37**	**3,42**	**4,12**	**4,87**	**4,83**	**5,93**	**7,11**	**7,00**
Surface		m^2	4,2	5,7	7,1	8,9	10,6	8,5	11,3	14,2	12,7	17,0	15,9	21,2
Circuit volume		dm^3	1,0	1,3	1,6	2,0	2,4	1,9	2,6	3,2	2,9	3,9	3,6	4,8
Air flow		m^3/h	1260	1180	1110	1220	1290	2520	2360	2220	3770	3550	4490	3830
Fan 1500 r.p.m.	Air throw (2)	m	15	14	13	15	16	18	17	16	21	20	29	22
	Num. x Ø	mm	1x300	1x300	1x300	1x300	1x300	2x300	2x300	2x300	3x300	3x300	1x450	3x300
	230 V/1/50-60 Hz	W max	100	100	100	100	100	200	200	200	300	300	-	300
		A max (3)	0,7	0,7	0,7	0,7	0,7	1,4	1,4	1,4	2,1	2,1	-	2,1
	230-400 V/3/50 Hz	W max	-	-	-	-	-	-	-	-	-	-	410	-
		A max (3)	-	-	-	-	-	-	-	-	-	-	0,87	-
Electric defrost **E1K** (4)		Nb	3	3	3	3	3	3	3	3	3	3	3	3
		W Total	870	870	870	1080	1290	1740	1740	1740	2580	2580	2160	3240
	230 V/1/50 Hz	A Total	3,8	3,8	3,8	4,7	5,6	7,6	7,6	7,6	11,2	11,2	9,4	14,1
	400 V/3/50 Hz	A Total	-	-	-	-	-	-	-	-	-	-	-	-
Net weight		kg	14	15	16	17	19	22	23	25	31	33	36	37
Dimensions	Length	mm	659	659	659	759	859	1059	1059	1059	1554	1554	998	1854
	Width	mm	435	435	435	435	435	435	435	435	435	435	541	435
	Height	mm	428	428	428	428	428	428	428	428	428	428	635	428
Connections (5) R404A	Inlet	Ø OD	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Outlet	Ø OD	5/8	5/8	5/8	5/8	5/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8

		3C-E .... -L	4166	3444	3445	3454	3545	4264	4266	4364	4366	4386	4466
Capacity R404A (1)	DT1 = 8 K - SC2	kW	**7,42**	**7,86**	**8,73**	**9,09**	**10,81**	**11,58**	**14,84**	**17,64**	**22,41**	**27,32**	**30,55**
Capacity W (6)	DT1 = 8K	kW	**7,82**	**7,44**	**9,11**	**8,77**	**11,11**	**10,86**	**14,69**	**15,13**	**20,78**	**24,16**	**26,07**
Surface		m^2	19,1	22,7	28,3	28,3	35,4	25,5	38,2	38,2	57,4	76,5	76,5
Circuit volume		dm^3	4,4	5,2	6,5	6,5	8,1	5,8	8,7	8,7	13,1	17,4	17,4
Air flow		m^3/h	4330	4730	4440	5100	5560	9310	8660	13970	13000	14110	17330
Fan 1500 r.p.m.	Air throw (2)	m	28	23	22	25	25	35	34	39	37	39	40
	Num. x Ø	mm	1x450	4x300	4x300	4x300	5x300	2x450	2x450	3x450	3x450	3x450	4x450
	230 V/1/50-60 Hz	W max	-	400	400	400	500	-	-	-	-	-	-
		A max (3)	-	2,8	2,8	2,8	3,5	-	-	-	-	-	-
	230-400 V/3/50 Hz	W max	410	-	-	-	-	820	820	1230	1230	1230	1640
		A max (3)	0,87	-	-	-	-	1,74	1,74	2,61	2,61	2,61	3,48
Electric defrost **E1K** (4)		Nb	3	3	3	3	3	3	3	3	3	3	3
		W Total	2160	3450	3450	4320	4320	4320	4320	6480	6480	7920	7920
	230 V/1/50 Hz	A Total	9,4	-	-	-	-	-	-	-	-	-	-
	400 V/3/50 Hz	A Total	-	5,0	5,0	6,2	6,2	6,2	6,2	9,4	9,4	11,4	11,4
Net weight		kg	38	42	44	47	54	54	60	73	82	99	106
Dimensions	Length	mm	998	1954	1954	2354	2354	1598	1598	2198	2198	2798	2798
	Width	mm	541	435	435	435	435	541	541	541	541	541	541
	Height	mm	635	428	428	428	428	635	635	635	635	635	635
Connections (5) R404A	Inlet	Ø OD	7/8	5/8	7/8	1'' 1/8	7/8	1'' 1/8	1'' 1/8	1'' 1/8	1'' 3/8	1'' 3/8	1'' 3/8
	Outlet	Ø OD	7/8	7/8	1'' 1/8	1'' 1/8	1'' 3/8	1'' 3/8	1'' 3/8	1'' 5/8	2'' 1/8	2'' 1/8	2'' 1/8

(1) See page 12.
(2) Residual air speed: 0.25 m/s.
(3) Setting of overload protection levels. For air temperatures "ti" other than +20 °C, multiply the currents in relation to 293/(273 + "ti") in order to obtain an approximate current value after the chamber temperature is attained.
(4) Electric defrost option.
(5) OD : Male connector - ODF: Female to receive a tube of the same diameter.
(6) Glycol water: Fluid: Percentage of glycol = 30% - Fluid inlet temperature = -8°C – Fluid outlet temperature = -4°C – Air: Inlet dry temp. = +2°C - Relative humidity = 85%
Other conditions: please contact us.

DPK	2V5	MM5	M60	BAE	BXT	WCO	HG1	E1K	E1U	E2K	E2U	E3K	2TH	THD	THS
O	O	O	O	O	O	+1	-	O	O	O	-	O	O	O	O

3C-E ... E

4 mm

		3C-E .... -E	3142	3143	3145	3155	3165	3243	3244	3245	3343	3344	4165	3354
Capacity R404A (1)	DT1 = 7 K - SC3	kW	1,07	1,38	1,77	2,02	2,27	2,85	3,35	3,65	4,26	5,15	5,61	5,95
Surface		m^2	4,1	6,1	10,2	12,8	15,4	12,3	16,4	20,5	18,4	24,6	23,0	30,7
Circuit volume		dm^3	0,6	1,0	1,6	2,0	2,4	1,9	2,6	3,2	2,9	3,9	3,6	4,8
Air flow		m^3/h	1290	1190	1010	1140	1230	2380	2190	2030	3560	3280	4250	3630
Fan 1500 r.p.m.	Air throw (2)	m	15	14	12	14	15	17	16	15	20	19	28	21
	Num. x Ø	mm	1x300	1x300	1x300	1x300	1x300	2x300	2x300	2x300	3x300	3x300	1x450	3x300
	230 V/1/50-60 Hz	W max	100	100	100	100	100	200	200	200	300	300	-	300
		A max (3)	0,7	0,7	0,7	0,7	0,7	1,4	1,4	1,4	2,1	2,1	-	2,1
	230-400 V/3/50 Hz	W max	-	-	-	-	-	-	-	-	-	-	410	-
		A max (3)	-	-	-	-	-	-	-	-	-	-	0,87	-
Electric defrost	Coil	Nb	2	5	5	5	5	5	5	5	5	5	8	5
	Drain pan	Nb	1	1	1	1	1	1	1	1	1	1	1	1
		W Total	870	1740	1740	2160	2580	3480	3480	3480	5160	5160	3240	6480
	230 V/1/50 Hz	A Total	3,8	7,6	7,6	9,4	11,2	15,1	15,1	15,1	-	-	-	-
	400 V/3/50 Hz	A Total	-	-	-	-	-	-	-	-	7,4	7,4	4,7	9,4
Net weight		kg	14	15	16	18	20	23	24	26	32	35	38	39
Dimensions	Length	mm	659	659	659	759	859	1059	1059	1059	1554	1554	998	1854
	Width	mm	435	435	435	435	435	435	435	435	435	435	541	435
	Height	mm	428	428	428	428	428	428	428	428	428	428	635	428
Connections (5) R404A	Inlet	Ø OD	3/8 ODF	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	7/8	5/8
	Outlet	Ø OD	3/8 ODF	5/8	5/8	5/8	5/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8

		3C-E .... -E	4166	3445	3454	4263	3455	3545	4264	4266	4364	4366	4386	4466
Capacity R404A (1)	DT1 = 7 K - SC3	kW	6,20	7,20	7,75	8,38	8,50	8,66	10,19	12,72	15,65	19,15	22,95	24,05
Surface		m^2	27,6	41,0	41,0	27,6	51,2	51,2	36,9	55,3	55,3	82,9	110,6	110,6
Circuit volume		dm^3	4,4	6,5	6,5	4,4	8,1	8,1	5,8	8,7	8,7	13,1	17,4	17,4
Air flow		m^3/h	4060	4050	4840	9340	4580	5060	8910	8120	13360	12170	13540	16230
Fan 1500 r.p.m.	Air throw (2)	m	27	21	24	35	23	24	34	33	38	36	38	39
	Num. x Ø	mm	1x450	4x300	4x300	2x450	4x300	5x300	2x450	2x450	3x450	3x450	3x450	4x450
	230 V/1/50-60 Hz	W max	-	400	400	-	400	500	-	-	-	-	-	-
		A max (3)	-	2,8	2,8	-	2,8	3,5	-	-	-	-	-	-
	230-400 V/3/50 Hz	W max	410	-	-	820	-	-	820	820	1230	1230	1230	1640
		A max (3)	0,87	-	-	1,74	-	-	1,74	1,74	2,61	2,61	2,61	3,48
Electric defrost	Coil	Nb	8	5	5	8	5	5	8	8	8	8	8	8
	Drain pan	Nb	1	1	1	1	1	1	1	1	1	1	1	1
		W Total	3240	6900	8640	6480	8640	8640	6480	6480	9720	9720	11880	11880
	230 V/1/50 Hz	A Total	-	-	-	-	-	-	-	-	-	-	-	-
	400 V/3/50 Hz	A Total	4,7	10,0	12,5	9,4	12,5	12,5	9,4	9,4	14,0	14,0	17,1	17,1
Net weight		kg	40	47	50	52	54	57	56	63	76	87	105	113
Dimensions	Length	mm	998	1954	2354	1598	2354	2354	1598	1598	2198	2198	2798	2798
	Width	mm	541	435	435	541	435	435	541	541	541	541	541	541
	Height	mm	635	428	428	635	428	428	635	635	635	635	635	635
Connections (5) R404A	Inlet	Ø OD	7/8	7/8	1'' 1/8	7/8	7/8	7/8	1'' 1/8	1'' 1/8	1'' 1/8	1'' 3/8	1'' 3/8	1'' 3/8
	Outlet	Ø OD	7/8	1'' 1/8	1'' 1/8	1'' 3/8	1'' 3/8	1'' 3/8	1'' 3/8	1'' 3/8	1'' 5/8	2'' 1/8	2'' 1/8	2'' 1/8

(1) See page 12.
(2) Residual air speed: 0.25 m/s.
(3) Setting of overload protection levels. For air temperatures "ti" other than +20 °C, multiply the currents in relation to 293/(273 + "ti") in order to obtain an approximate current value after the chamber temperature is attained.
(4) Electric defrost option.
(5) OD : Male connector - ODF: Female to receive a tube of the same diameter.

DPK	2V5	MM5	M60	BAE	BXT	WCO	HG1	E1K	E1U	E2K	E2U	E3K	2TH	THD	THS
-	O	O	O	O	O	-		-	-	-	O	-	O	O	O

3C-E ... C

6 mm

		3C-E .... -C	3143	3144	3145	3155	3165	3243	3244	3245	3343	3344	4165	3354
Capacity R404A (1)	DT1 = 7 K - SC3	kW	1,18	1,40	1,65	1,93	2,15	2,56	3,07	3,42	3,85	4,62	4,92	5,40
Surface		m^2	4,2	5,7	7,1	8,9	10,6	8,5	11,3	14,2	12,7	17,0	15,9	21,2
Circuit volume		dm^3	1,0	1,3	1,6	2,0	2,4	1,9	2,6	3,2	2,9	3,9	3,6	4,8
Air flow		m^3/h	1260	1180	1110	1220	1290	2520	2360	2220	3770	3550	4490	3830
Fan 1500 r.p.m.	Air throw (2)	m	15	14	13	15	16	18	17	16	21	20	29	22
	Num. x Ø	mm	1x300	1x300	1x300	1x300	1x300	2x300	2x300	2x300	3x300	3x300	1x450	3x300
	230 V/1/50-60 Hz	W max	100	100	100	100	100	200	200	200	300	300	-	300
		A max (3)	0,7	0,7	0,7	0,7	0,7	1,4	1,4	1,4	2,1	2,1	-	2,1
	230-400 V/3/50 Hz	W max	-	-	-	-	-	-	-	-	-	-	410	-
		A max (3)	-	-	-	-	-	-	-	-	-	-	0,87	-
Electric defrost	Coil	Nb	5	5	5	5	5	5	5	5	5	5	8	5
	Drain pan	Nb	1	1	1	1	1	1	1	1	1	1	1	1
		W Total	1740	1740	1740	2160	2580	3480	3480	3480	5160	5160	3240	6480
	230 V/1/50 Hz	A Total	7,6	7,6	7,6	9,4	11,2	15,1	15,1	15,1	-	-	-	-
	400 V/3/50 Hz	A Total	-	-	-	-	-	-	-	-	7,4	7,4	4,7	9,4
Net weight		kg	14	15	16	17	19	22	23	25	31	33	36	37
Dimensions	Length	mm	659	659	659	759	859	1059	1059	1059	1554	1554	998	1854
	Width	mm	435	435	435	435	435	435	435	435	435	435	541	435
	Height	mm	428	428	428	428	428	428	428	428	428	428	635	428
Connections (5) R404A	Inlet	Ø OD	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Outlet	Ø OD	5/8	5/8	5/8	5/8	5/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8

		3C-E .... -C	4166	3444	3445	3454	3545	4264	4266	4364	4366	4386	4466
Capacity R404A (1)	DT1 = 7 K - SC3	kW	5,68	6,15	6,70	7,12	8,15	8,84	11,43	13,62	17,45	20,63	22,23
Surface		m^2	19,1	22,7	28,3	28,3	35,4	25,5	38,2	38,2	57,4	76,5	76,5
Circuit volume		dm^3	4,4	5,2	6,5	6,5	8,1	5,8	8,7	8,7	13,1	17,4	17,4
Air flow		m^3/h	4330	4730	4440	5100	5560	9310	8660	13970	13000	14110	17330
Fan 1500 r.p.m.	Air throw (2)	m	28	23	22	25	25	35	34	39	37	39	40
	Num. x Ø	mm	1x450	4x300	4x300	4x300	5x300	2x450	2x450	3x450	3x450	3x450	4x450
	230 V/1/50-60 Hz	W max	-	400	400	400	500	-	-	-	-	-	-
		A max (3)	-	2,8	2,8	2,8	3,5	-	-	-	-	-	-
	230-400 V/3/50 Hz	W max	410	-	-	-	-	820	820	1230	1230	1230	1640
		A max (3)	0,87	-	-	-	-	1,74	1,74	2,61	2,61	2,61	3,48
Electric defrost	Coil	Nb	8	5	5	5	5	8	8	8	8	8	8
	Drain pan	Nb	1	1	1	1	1	1	1	1	1	1	1
		W Total	3240	6900	6900	8640	8640	6480	6480	9720	9720	11880	11880
	230 V/1/50 Hz	A Total	-	-	-	-	-	-	-	-	-	-	-
	400 V/3/50 Hz	A Total	4,7	10,0	10,0	12,5	12,5	9,4	9,4	14,0	14,0	17,1	17,1
Net weight		kg	38	42	44	47	54	54	60	73	82	99	106
Dimensions	Length	mm	998	1954	1954	2354	2354	1598	1598	2198	2198	2798	2798
	Width	mm	541	435	435	435	435	541	541	541	541	541	541
	Height	mm	635	428	428	428	428	635	635	635	635	635	635
Connections (5) R404A	Inlet	Ø OD	7/8	5/8	7/8	1'' 1/8	7/8	1'' 1/8	1'' 1/8	1'' 1/8	1'' 3/8	1'' 3/8	1'' 3/8
	Outlet	Ø OD	7/8	7/8	1'' 1/8	1'' 1/8	1'' 3/8	1'' 3/8	1'' 3/8	1'' 5/8	2'' 1/8	2'' 1/8	2'' 1/8

(1) See page 12.
(2) Residual air speed: 0.25 m/s.
(3) Setting of overload protection levels. For air temperatures "ti" other than +20 °C, multiply the currents in relation to 293/(273 + "ti") in order to obtain an approximate current value after the chamber temperature is attained.
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DPK	2V5	MM5	M60	BAE	BXT	WCO	HG1	E1K	E1U	E2K	E2U	E3K	2TH	THD	THS
-	O	O	O	O	O	-		-	-	-	O	-	O	O	O