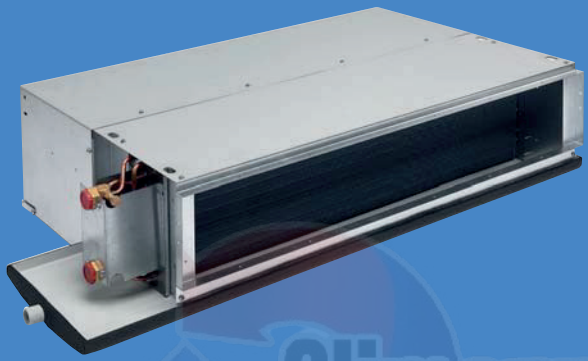
PRODUCT SELECTION DATA

DUCTABLE FAN COIL UNIT



Ductable unit for horizontal concealed ceiling applications

Air flow 222 m³/h - 2769 m³/h

Wide range of operation

Easy installation & maintenance

CE & Eurovent certified

DUCTABLE FAN COIL UNITS 42CT

The Carrier 42CT is available in different sizes with 2-pipe or 4-pipe coils, with an air flow range from 222 m³/h to 2769 m³/h. On Eurovent standard conditions, 42CT can provide heating capacity up to 15kW and cooling capacity up to 13,6kW.

CE

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

1. GENERAL

- Ductable fan coil units for horizontal concealed ceiling applications
- Reliable and economical solution for buildings, hotels, hospitals, offices or any other required commercial or residental applications
- Compact design with hydrophilic blue fan coil
- Low height for all sizes with rear plenum
- EC fan and 3-speed AC fan motor options
- Washable standard filters with easy access
- Standard supply flange
- Standard rear plenum
- Optional extra extended drain pan with stainless steel alternative
- Optional ISO Coarse %50 filter
- Factory installed electrical box
- Certified performance
- User friendly cloud base selection software for quick selections

2. MODEL NUMBER NOMENCLATURE

42CT is easy to configure with its standard features to speed up the ordering process. Standard washable filter, factory installed rear plenum and rectangular supply flange gives the advantage to create and track the coding easily.

Model Code	Description	Detail
42	Fan Coil	**42:** Fan Coil
CT	Model Name	**CT:** Horizontal Concealed Type
02	Model Size	**02, 03, 04, 05, 06, 07, 08, 10, 12, 14**
30	Coil Row	**30:** 2 pipe 3 row **40:** 2 pipe 4 row **31:** 4 pipe 3+1 row
S	Motor Type	**S:** AC Motor **E:** EC Motor
1	Power Supply	**1:** 220/240V-1Ph-50Hz **2:** 220/240V-1Ph-50/60Hz
SP	Drain Pan	**SP:**Standard Painted **EP:**Extended Painted **SS:**Standard Stainless Steel **ES:**Extended Stainless Steel
RR	Plenum	**RR:** Rear Return **BR:** Bottom Return
1	Filter	**1:** Standard Filter **2:** ISO Coarse %50 Filter
L	Connection	**L:** Left **R:** Right
F	Fresh Air Intake	**F:** Yes **N:** No
0	Version	**0:** Version

3. TECHNICAL DESCRIPTION

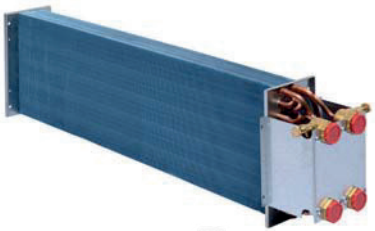
3.1. Casing

The casing is made of galvanised sheet steel with high-effiency internal lining for optimised and sound insulation of the unit.

The fan coil unit is available with Euroclass level B-s2-d0 insulation (in compliance with EN13501-1). To minimize the dimensions, the units are equipped with high-effiency heat exchangers with very high cooling capacity. The condensate drain pan height is optimised. Mounting holes and slots quickens hanging operations.

3.2. Coil

Unit coil using the latest developed wide seam blue hydrophilic aluminum fin, advanced mechanical tube expanding process, ensure copper tube optimally contacts with aluminium fin. Wide seam hydrophilic aluminium fin provide sufficient heat transfer channel for heat exchanger, wide impeller provide uniformly air velocity environment for heat transfer.



It makes the heat transfer more complete, which ensures the cooling capacity per input power of 42CT outperforms other similar products. Metal sheet casing prevents any damage on header and coil connections.

- Aluminium fins mechanically bonded by expansion onto copper tubes
- High cooling and heating capacity with minimized dimensions even in bigger size models thanks to 7 mm copper tubes and special coil design
- 3/4'' threaded female water inlet and outlet connections for all sizes
- Operating pressure of 16 bar

Maximum hot water inlet temperature:

- 4-pipe application: 90 °C
- 2-pipe application: 90 °C

3.3. Fan

42CT unit equipped with newly designed wide and large diameter impeller, low speed forward multi-blade. The fan casing is strengthened with reinforcing ribs for additional strength.

It adopts NSK bearings, ensuring small vibration and low noise in operation. One to four wheel fans depending on the unit size.

3.4. Electric Motor

3.4.1. AC Motor

It has a totally enclosed casing structure with 3-speed fan motor which has below features:

- Permanent split capacitor AC motor
- Power supply: 220/240V-1Ph-50Hz
- Level of protection: IP20
- Class B insulation

3.4.2. EC Motor

It has a totally enclosed casing structure and fully proportional operating range with 2-10VDC* control signal which provides great advantages for sound and energy saving.

- Permanent Magnet Brushless DC
- Power supply: 220/240V-1Ph-50/60Hz
- Level of protection: IP20
- Class B insulation

*Motor will operate at 2VDC and above.

3.5. Electrical Box

Electrical Box is standard in 42CT for all models. The units is factory-fitted with an electrical box connected to a terminal strip. With the electrical box, the installer can connect the unit to a terminal board. The electrical box can be opened with a screw driver. Electrical box can be mounted to both sides of the units thanks to its long wiring.

3.6. Condensate Drain Pan

Condensate drain pan is cold roll steel with powder coating and drain pan has its own angled surface so that condensate can be drain out smoothly. Drain pan design enhance the strength of drain pan, avoid drain pan deformation in transportation.

- Drain connection diameter is 3/4” threaded nippel
- 6 mm flexible elastomeric rubber foam insulation
- Fire rating B-s2-d0 incompliance with EN13501-1
- Stainless steel and extended lenght drain pans are optional

3.7. Plenums

Factory mounted rear air plenum is standard in all sizes and models of the unit for a better quality and appearance. Along with the air plenum box, filter is also supplied in standard. Unit can also be supplied with bottom plenum option.

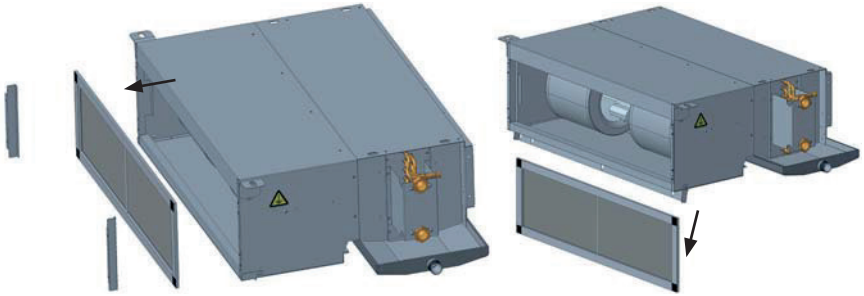
3.8. Filter

All the models are supplied with standard factory installed washable nylon mesh filter with aluminium frame. With its special design, filters can be removed on both rear or bottom side of the unit easily. The unit can also be supplied with ISO Coarse %50 filter (in compliance with ISO 16890) for a better air quality as an optional.

3.8.1. Filter Access

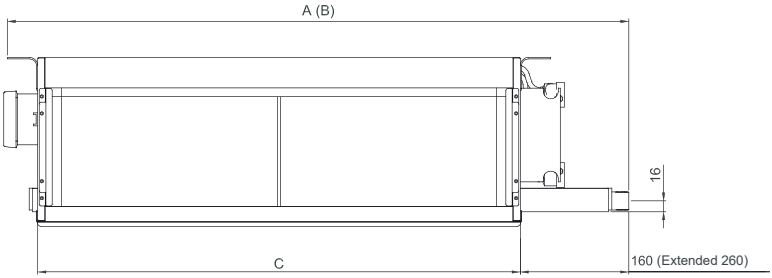
Filters can be easily removed from both the back and the bottom side of the unit without any necessity of extra equipment thanks to the clamps.

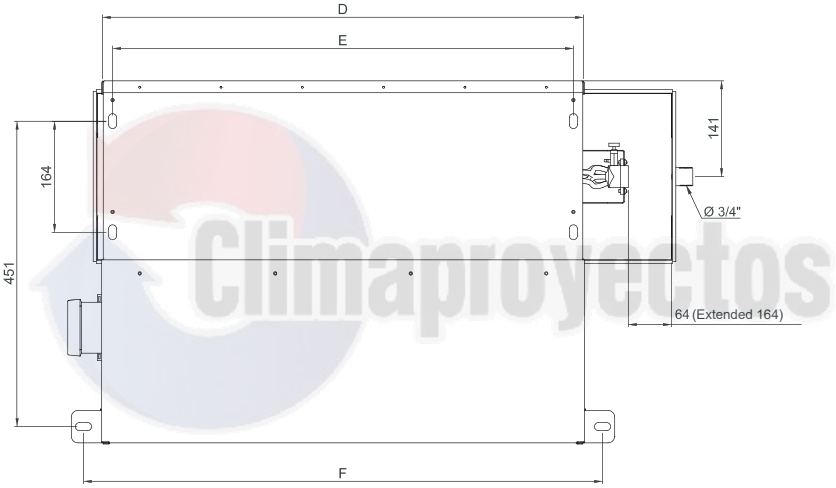
Unit with rear plenum



Unit with bottom plenum

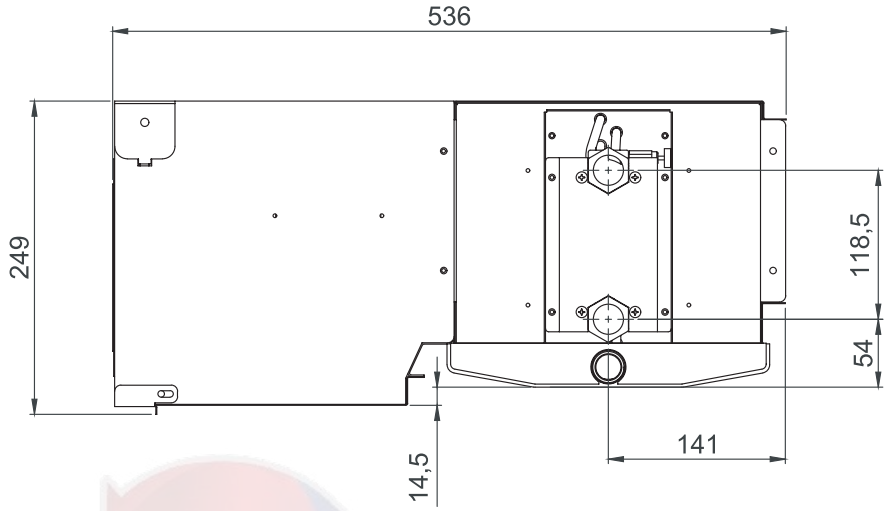
4. DIMENSIONS & WATER COIL CONNECTIONS



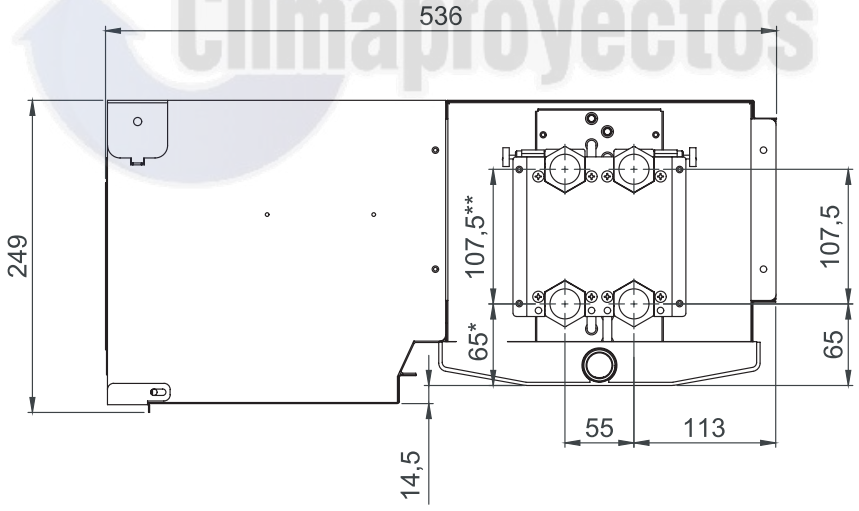


SIZE	A (Standard)	B (Extended)	C	D	E	F
02	703	803	492	490	460	546
03	843	943	632	630	600	686
04	923	1023	712	710	680	766
05	1003	1103	792	790	760	846
06	1163	1263	952	950	920	1006
07	1243	1343	1032	1030	1000	1086
08	1483	1583	1272	1270	1240	1326
10	1533	1633	1322	1320	1290	1376
12	1733	1833	1522	1520	1490	1576
14	1893	1993	1682	1680	1650	1736

Standard 2 pipe unit with rear plenum



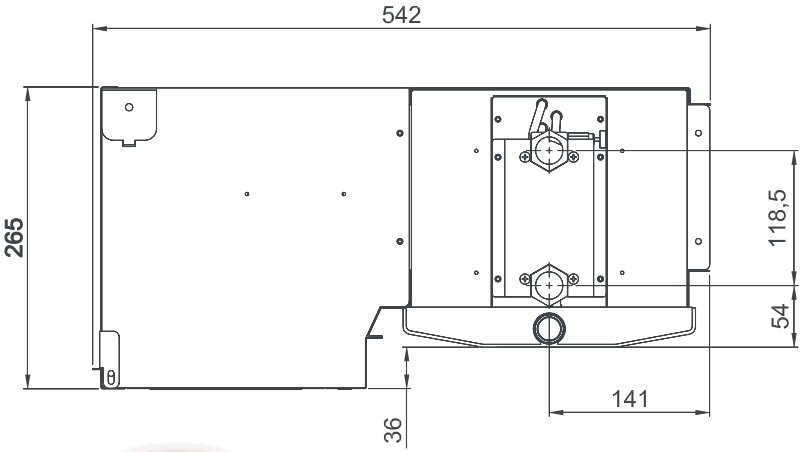
Standard 4 pipe unit with rear plenum



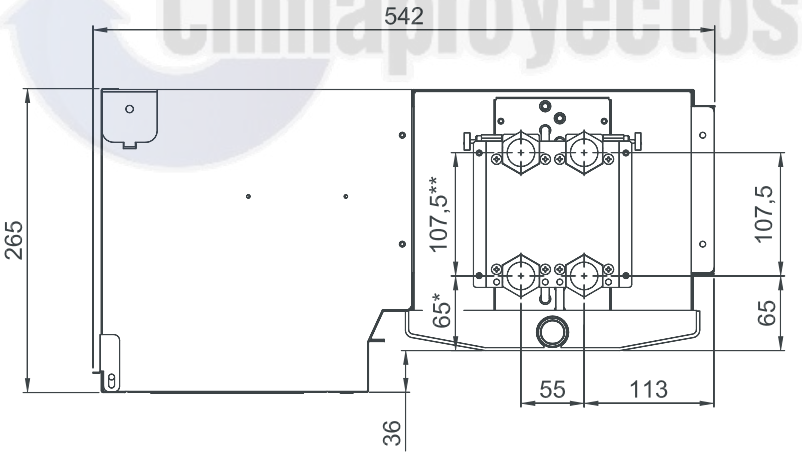
** For the unit size 14, dimension is 54 mm*

*** For the unit size 14, dimension is 118,5 mm*

Standard 2 pipe unit with bottom plenum



Standard 4 pipe unit with bottom plenum



** For the unit size 14, dimension is 54 mm*

*** For the unit size 14, dimension is 118,5 mm*

5. PERFORMANCE DATA

42CT		0230			0240			0231		
Fan speed (Eurovent certified speeds)		H	M	L	H	M	L	H	M	L
Coil type		2 Pipe*			2 Pipe*			4 Pipe**		
Air flow	l/s	133	105	62	127	102	62	128	103	63
	m^3/h	480	379	222	459	368	225	461	372	227
Available static pressure		0	0	0	0	0	0	0	0	0
Cooling mode										
Total cooling capacity	kW	2,49	2,06	1,28	2,55	2,12	1,38	2,52	2,15	1,44
Sensible cooling capacity	kW	1,87	1,53	0,94	1,88	1,55	0,99	2,03	1,71	1,12
Water flow	l/s	0,12	0,10	0,06	0,12	0,10	0,07	0,12	0,10	0,07
	l/h	431	360	225	450	371	243	438	377	253
Water pressure drop	kPa	28,9	21,6	10,6	23,6	17,6	9,6	34,4	26,8	13,8
Heating mode										
Heating capacity	kW	3,03	2,52	1,64	3,08	2,57	1,71	3,04	2,66	1,94
Water flow	l/s	0,14	0,12	0,08	0,15	0,12	0,08	0,07	0,06	0,05
	l/h	517	436	275	523	444	288	263	231	169
Water pressure drop	kPa	28,8	21,9	10,8	22,4	17,4	9,3	17,5	14,2	8,6
Sound levels										
Sound power level	dB(A)	55	51	37	55	51	37	55	51	37
Electrical data, motor										
Power input	W	51	42	32	50	42	32	50	42	32
Input current	A	0,22	0,18	0,14	0,22	0,18	0,14	0,22	0,18	0,14
Eurovent FCEER/FCCOP data class		E	E	E	E	E	E	E	E	E

Fan speed: L = Low, M = Medium, H = High

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C.

42CT		0230E				0240E				0231E			
Signal Voltage (Eurovent decleration + Maximum Speed)		3	4,5	6	7 (Max)	3	4,5	6	7 (Max)	3	4,5	6	7 (Max)
Coil type		2 Pipe*				2 Pipe*				4 Pipe**			
Air flow	l/s	92	124	154	173	87	114	141	159	85	113	140	157
	m3/h	331	447	556	622	314	411	508	572	305	406	503	566
Available static pressure	Pa	0	0	0	0	0	0	0	0	0	0	0	0
Cooling mode													
Total cooling capacity	kW	1,87	2,38	2,80	3,02	1,86	2,35	2,78	3,04	1,86	2,31	2,70	2,92
Sensible cooling capacity	kW	1,39	1,79	2,13	2,32	1,36	1,73	2,07	2,27	1,47	1,85	2,19	2,40
Water flow	l/s	0,09	0,11	0,13	0,15	0,09	0,11	0,13	0,15	0,09	0,11	0,13	0,14
	l/h	324	396	468	540	324	396	468	540	324	396	468	504
Water pressure drop	kPa	18,3	27,0	35,0	40,4	14,2	20,0	26,4	30,4	20,7	29,2	38,0	43,8
Heating mode													
Heating capacity	kW	2,23	2,84	3,37	3,67	2,23	2,79	3,32	3,66	2,32	2,79	3,19	3,43
Water flow	l/s	0,11	0,14	0,16	0,18	0,11	0,13	0,16	0,17	0,06	0,07	0,08	0,08
	l/h	396	504	576	648	396	468	576	612	216	252	288	288
Water pressure drop	kPa	18,5	26,4	34,8	40,2	14,2	19,4	25,5	29,6	11,6	15,6	19,0	21,6
Sound levels													
Sound power level	dB(A)	47	54	61	65	46	54	60	64	46	54	60	64
Electrical data, motor													
Power input	W	11	22	39	57	11	21	36	53	11	21	36	53
Input current	A	0,10	0,21	0,37	0,54	0,10	0,20	0,34	0,50	0,10	0,20	0,34	0,50
Eurovent FCEER/FCCOP data class		B/B				B/B				B/B			

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C

42CT		0330			0340			0331		
Fan speed (Eurovent certified speeds)		H	M	L	H	M	L	H	M	L
Coil type		2 Pipe*			2 Pipe*			4 Pipe**		
Air flow	l/s	195	158	123	177	144	117	177	146	119
	m^3/h	703	568	442	637	520	420	638	526	428
Available static pressure		0	0	0	0	0	0	0	0	0
Cooling mode										
Total cooling capacity	kW	3,87	3,31	2,73	3,82	3,26	2,75	3,42	2,97	2,54
Sensible cooling capacity	kW	2,82	2,37	1,92	2,71	2,29	1,90	2,77	2,38	2,00
Water flow	l/s	0,19	0,16	0,13	0,19	0,16	0,13	0,17	0,14	0,12
	l/h	673	584	476	674	573	483	602	521	445
Water pressure drop	kPa	32,1	25,2	18,0	22,7	17,3	13,2	23,5	18,5	14,2
Heating mode										
Heating capacity	kW	4,40	3,73	3,05	4,28	3,63	3,05	3,97	3,53	3,11
Water flow	l/s	0,21	0,18	0,14	0,20	0,17	0,14	0,09	0,08	0,07
	l/h	749	642	526	735	623	523	343	303	267
Water pressure drop	kPa	28,4	21,9	15,7	19,5	14,8	11,2	17,8	14,5	11,7
Sound levels										
Sound power level	dB(A)	58	53	44	58	53	44	58	53	44
Electrical data, motor										
Power input	W	77	64	55	76	63	55	76	63	55
Input current	A	0,34	0,28	0,24	0,33	0,27	0,24	0,33	0,27	0,24
Eurovent FCEER/FCCOP data class		E	E	E	E	E	E	E	E	E

Fan speed: L = Low, M = Medium, H = High

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C.

42CT		0330E				0340E				0331E			
Signal Voltage (Eurovent decleration + Maximum Speed)		2,5	3	5	7 (Max)	2,5	3	5	7 (Max)	2,5	3	5	7 (Max)
Coil type		2 Pipe*				2 Pipe*				4 Pipe**			
Air flow	l/s	103	119	187	249	103	118	183	243	101	116	180	239
	m3/h	369	427	672	896	370	426	659	873	363	418	647	861
Available static pressure	Pa	0	0	0	0	0	0	0	0	0	0	0	0
Cooling mode													
Total cooling capacity	kW	2,40	2,69	3,78	4,59	2,50	2,82	3,96	4,84	2,26	2,53	3,49	4,23
Sensible cooling capacity	kW	1,69	1,91	2,75	3,42	1,74	1,97	2,83	3,52	1,78	2,00	2,84	3,52
Water flow	l/s	0,11	0,13	0,18	0,22	0,12	0,13	0,19	0,23	0,11	0,12	0,17	0,21
	l/h	396	468	648	792	432	468	684	828	396	432	612	756
Water pressure drop	kPa	14,3	17,4	30,6	42,8	10,8	13,2	23,3	32,8	11,3	14,0	23,5	33,7
Heating mode													
Heating capacity	kW	2,60	2,93	4,21	5,26	2,70	3,05	4,36	5,45	2,76	3,02	3,97	4,73
Water flow	l/s	0,13	0,14	0,20	0,25	0,13	0,15	0,21	0,26	0,07	0,07	0,10	0,11
	l/h	468	504	720	900	468	540	756	936	252	252	360	396
Water pressure drop	kPa	12,4	14,8	26,7	38,8	9,3	11,2	20,0	29,2	9,8	11,4	17,8	23,7
Sound levels													
Sound power level	dB(A)	47	50	60	67	47	50	60	67	47	50	59	67
Electrical data, motor													
Power input	W	11	13	39	85	11	13	38	83	11	13	38	82
Input current	A	0,10	0,12	0,34	0,74	0,10	0,12	0,33	0,72	0,09	0,11	0,33	0,71
Eurovent FCEER/FCCOP data class		A/B				A/B				A/B			

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C

42CT		0430			0440			0431		
Fan speed (Eurovent certified speeds)		H	M	L	H	M	L	H	M	L
Coil type		2 Pipe*			2 Pipe*			4 Pipe**		
Air flow	l/s	232	190	130	231	188	129	219	183	129
	m^3/h	836	685	468	831	676	465	790	659	465
Available static pressure		0	0	0	0	0	0	0	0	0
Cooling mode										
Total cooling capacity	kW	4,37	3,78	2,80	4,69	4,01	2,95	3,97	3,48	2,65
Sensible cooling capacity	kW	3,25	2,77	2,00	3,40	2,87	2,07	3,30	2,85	2,12
Water flow	l/s	0,21	0,18	0,14	0,23	0,19	0,14	0,19	0,17	0,13
	l/h	763	663	495	822	701	513	696	607	461
Water pressure drop	kPa	24,2	19,2	12,0	21,7	16,7	10,2	18,5	14,7	9,5
Heating mode										
Heating capacity	kW	5,10	4,39	3,25	5,36	4,56	3,37	5,03	4,51	3,63
Water flow	l/s	0,24	0,21	0,15	0,26	0,22	0,16	0,12	0,11	0,09
	l/h	870	747	556	923	775	573	433	388	312
Water pressure drop	kPa	22,4	17,4	10,8	19,6	14,7	9,2	28,6	23,8	16,4
Sound levels										
Sound power level	dB(A)	61	57	48	61	57	48	61	56	48
Electrical data, motor										
Power input	W	87	77	65	86	76	65	85	76	65
Input current	A	0,38	0,33	0,28	0,38	0,33	0,28	0,37	0,33	0,28
Eurovent FCEER/FCCOP data class		E	E	E	E	E	E	E	E	E

Fan speed: L = Low, M = Medium, H = High

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C.

42CT		0430E				0440E				0431E			
Signal Voltage (Eurovent decleration + Maximum Speed)		2,5	3	5	7 (Max)	2,5	3	5	7 (Max)	2,5	3	5	7 (Max)
Coil type		2 Pipe*				2 Pipe*				4 Pipe**			
Air flow	l/s	133	155	220	292	130	150	210	274	126	146	207	271
	m3/h	478	557	792	1050	467	538	756	987	453	525	745	975
Available static pressure	Pa	0	0	0	0	0	0	0	0	0	0	0	0
Cooling mode													
Total cooling capacity	kW	2,89	3,27	4,24	5,12	3,01	3,39	4,41	5,32	2,64	2,97	3,84	4,60
Sensible cooling capacity	kW	2,09	2,38	3,15	3,89	2,13	2,41	3,19	3,91	2,13	2,41	3,19	3,89
Water flow	l/s	0,14	0,16	0,20	0,25	0,14	0,16	0,21	0,26	0,13	0,14	0,18	0,22
	l/h	504	576	720	900	504	576	756	936	468	504	648	792
Water pressure drop	kPa	12,0	14,7	22,5	31,7	10,4	12,4	19,4	26,6	9,3	11,4	17,0	23,6
Heating mode													
Heating capacity	kW	3,26	3,69	4,87	6,03	3,33	3,74	4,94	6,11	3,52	3,86	4,81	5,68
Water flow	l/s	0,16	0,18	0,23	0,29	0,16	0,18	0,24	0,29	0,09	0,09	0,12	0,14
	l/h	576	648	828	1044	576	648	864	1044	324	324	432	504
Water pressure drop	kPa	11,2	13,4	21,0	30,0	9,2	11,2	17,3	24,0	16,1	18,9	27,1	35,5
Sound levels													
Sound power level	dB(A)	47	50	59	66	47	50	59	66	47	50	59	66
Electrical data, motor													
Power input	W	13	16	46	102	13	16	44	97	12	16	43	95
Input current	A	0,11	0,14	0,39	0,87	0,11	0,14	0,37	0,82	0,10	0,14	0,37	0,81
Eurovent FCEER/FCCOP data class		A/B				A/B				A/B			

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C

42CT		0530			0540			0531		
Fan speed (Eurovent certified speeds)		H	M	L	H	M	L	H	M	L
Coil type		2 Pipe*			2 Pipe*			4 Pipe**		
Air flow	l/s	284	230	174	283	230	173	278	229	174
	m^3/h	1.024	827	625	1.019	828	624	999	825	625
Available static pressure		0	0	0	0	0	0	0	0	0
Cooling mode										
Total cooling capacity	kW	5,44	4,67	3,78	5,65	4,83	3,85	5,07	4,43	3,60
Sensible cooling capacity	kW	4,21	3,55	2,82	4,33	3,65	2,86	4,17	3,58	2,86
Water flow	l/s	0,26	0,23	0,18	0,28	0,24	0,19	0,25	0,22	0,17
	l/h	954	819	663	990	849	677	886	774	629
Water pressure drop	kPa	39,4	30,5	21,5	22,8	17,8	12,4	30,9	24,7	17,5
Heating mode										
Heating capacity	kW	6,21	5,28	4,25	6,50	5,53	4,41	6,20	5,53	4,66
Water flow	l/s	0,29	0,25	0,20	0,31	0,26	0,21	0,15	0,13	0,11
	l/h	1.060	903	724	1.108	951	747	536	478	402
Water pressure drop	kPa	34,9	26,7	18,5	20,5	16,0	11,0	46,5	38,2	28,4
Sound levels										
Sound power level	dB(A)	62	57	51	62	57	51	62	57	51
Electrical data, motor										
Power input	W	118	103	88	118	103	88	117	103	88
Input current	A	0,51	0,45	0,38	0,51	0,45	0,38	0,51	0,45	0,38
Eurovent FCEER/FCCOP data class		E	E	E	E	E	E	E	E	E

Fan speed: L = Low, M = Medium, H = High

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C.

42CT		0530E				0540E				0531E			
Signal Voltage (Eurovent decleration + Maximum Speed)		2,5	3,5	6	7 (Max)	2,5	3,5	6	7 (Max)	2,5	3,5	6	7 (Max)
Coil type		2 Pipe*				2 Pipe*				4 Pipe**			
Air flow	l/s	156	188	288	327	152	181	272	307	151	180	266	299
	m3/h	560	676	1037	1178	546	653	979	1104	544	648	959	1077
Available static pressure	Pa	0	0	0	0	0	0	0	0	0	0	0	0
Cooling mode													
Total cooling capacity	kW	3,54	4,09	5,55	6,03	3,52	4,07	5,54	6,03	3,31	3,77	4,98	5,38
Sensible cooling capacity	kW	2,64	3,08	4,32	4,74	2,62	3,05	4,25	4,66	2,61	3,01	4,09	4,46
Water flow	l/s	0,17	0,20	0,26	0,29	0,17	0,20	0,27	0,29	0,16	0,18	0,24	0,26
	l/h	612	720	936	1044	612	720	972	1044	576	648	864	936
Water pressure drop	kPa	18,6	23,9	39,4	45,8	10,5	13,4	21,7	25,2	15,0	18,5	29,6	33,6
Heating mode													
Heating capacity	kW	3,82	4,46	6,22	6,85	3,89	4,51	6,25	6,87	4,21	4,70	6,00	6,44
Water flow	l/s	0,19	0,21	0,30	0,33	0,19	0,22	0,30	0,33	0,10	0,11	0,15	0,16
	l/h	684	756	1080	1188	684	792	1080	1188	360	396	540	576
Water pressure drop	kPa	16,2	20,4	35,5	41,3	9,3	11,7	19,6	23,0	24,3	29,5	44,5	49,9
Sound levels													
Sound power level	dB(A)	48	53	62	65	48	53	61	65	48	53	61	64
Electrical data, motor													
Power input	W	14	21	63	89	14	21	60	84	14	21	59	83
Input current	A	0,12	0,19	0,56	0,79	0,12	0,18	0,53	0,75	0,12	0,18	0,52	0,74
Eurovent FCEER/FCCOP data class		A/B				A/B				A/B			

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C

42CT		0630			0640			0631		
Fan speed (Eurovent certified speeds)		H	M	L	H	M	L	H	M	L
Coil type		2 Pipe*			2 Pipe*			4 Pipe**		
Air flow	l/s	322	257	162	319	255	164	299	243	159
	m^3/h	1.159	924	585	1.149	917	591	1.078	875	573
Available static pressure		0	0	0	0	0	0	0	0	0
Cooling mode										
Total cooling capacity	kW	6,10	5,18	3,62	6,38	5,37	3,74	5,49	4,72	3,40
Sensible cooling capacity	kW	4,99	4,16	2,82	5,15	4,27	2,91	4,52	3,82	2,68
Water flow	l/s	0,30	0,25	0,18	0,31	0,26	0,18	0,27	0,23	0,17
	l/h	1.064	903	634	1.114	935	657	956	822	600
Water pressure drop	kPa	33,2	25,3	14,3	22,5	17,0	9,9	24,7	19,3	11,6
Heating mode										
Heating capacity	kW	7,02	5,92	4,13	7,34	6,16	4,32	6,72	5,93	4,56
Water flow	l/s	0,33	0,28	0,20	0,35	0,29	0,20	0,16	0,14	0,11
	l/h	1.205	1.017	708	1.248	1.051	729	576	508	394
Water pressure drop	kPa	30,4	23,0	12,8	20,3	15,4	8,8	19,9	16,2	10,6
Sound levels										
Sound power level	dB(A)	63	58	49	63	58	49	63	58	49
Electrical data, motor										
Power input	W	130	115	97	129	114	98	127	113	97
Input current	A	0,56	0,50	0,42	0,56	0,50	0,43	0,55	0,49	0,42
Eurovent FCEER/FCCOP data class		E	E	E	E	E	E	E	E	E

Fan speed: L = Low, M = Medium, H = High
*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,
*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,
**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C.

42CT		0630E				0640E				0631E			
Signal Voltage (Eurovent decleration + Maximum Speed)		2,5	3,5	6	7 (Max)	2,5	3,5	6	7 (Max)	2,5	3,5	6	7 (Max)
Coil type		2 Pipe*				2 Pipe*				4 Pipe**			
Air flow	l/s	170	212	321	367	167	207	310	353	152	192	296	339
	m3/h	613	764	1156	1320	600	743	1116	1271	548	692	1067	1220
Available static pressure	Pa	0	0	0	0	0	0	0	0	0	0	0	0
Cooling mode													
Total cooling capacity	kW	3,84	4,56	6,15	6,71	3,88	4,62	6,30	6,91	3,36	4,03	5,51	6,02
Sensible cooling capacity	kW	3,02	3,64	5,04	5,57	3,03	3,65	5,08	5,62	2,66	3,23	4,54	5,02
Water flow	l/s	0,18	0,22	0,30	0,33	0,18	0,22	0,30	0,33	0,16	0,19	0,27	0,29
	l/h	648	792	1080	1188	648	792	1080	1188	576	684	972	1044
Water pressure drop	kPa	15,2	20,5	33,2	39,0	10,1	13,1	21,9	25,5	11,0	14,9	24,7	28,9
Heating mode													
Heating capacity	kW	4,20	5,03	6,95	7,68	4,29	5,13	7,12	7,88	4,35	5,05	6,61	7,17
Water flow	l/s	0,20	0,24	0,33	0,37	0,21	0,25	0,34	0,38	0,11	0,12	0,16	0,17
	l/h	720	864	1188	1332	756	900	1224	1368	396	432	576	612
Water pressure drop	kPa	13,5	17,8	29,8	35,7	9,1	11,9	19,8	23,2	10,1	12,8	19,9	22,7
Sound levels													
Sound power level	dB(A)	49	53	63	66	49	53	62	66	48	53	62	65
Electrical data, motor													
Power input	W	14	24	69	98	14	24	67	96	14	23	65	93
Input current	A	0,12	0,20	0,58	0,82	0,12	0,20	0,56	0,80	0,12	0,19	0,54	0,78
Eurovent FCEER/FCCOP data class		A/B				A/B				A/B			

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,
*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,
**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C

42CT		0730			0740			0731		
Fan speed (Eurovent certified speeds)		H	M	L	H	M	L	H	M	L
Coil type		2 Pipe*			2 Pipe*			4 Pipe**		
Air flow	l/s	372	328	192	354	294	185	324	261	168
	m^3/h	1.338	1.179	692	1.274	1.060	667	1.168	938	605
Available static pressure		0	0	0	0	0	0	0	0	0
Cooling mode										
Total cooling capacity	kW	6,98	6,38	4,23	7,44	6,48	4,46	6,09	5,18	3,67
Sensible cooling capacity	kW	5,72	5,17	3,31	5,88	5,06	3,39	5,23	4,38	3,02
Water flow	l/s	0,34	0,31	0,21	0,36	0,31	0,22	0,30	0,25	0,18
	l/h	1.210	1.116	739	1.311	1.132	791	1.069	912	645
Water pressure drop	kPa	32,1	28,1	14,5	32,9	25,8	14,6	23,3	18,0	10,5
Heating mode										
Heating capacity	kW	8,12	7,38	4,87	8,55	7,38	5,03	7,57	6,63	5,02
Water flow	l/s	0,39	0,35	0,23	0,41	0,35	0,24	0,18	0,16	0,12
	l/h	1.390	1.265	826	1.463	1.266	854	649	569	434
Water pressure drop	kPa	30,1	25,8	13,0	29,5	23,3	12,4	27,8	22,2	14,2
Sound levels										
Sound power level	dB(A)	66	61	53	66	60	52	66	60	52
Electrical data, motor										
Power input	W	138	127	102	135	122	101	131	116	98
Input current	A	0,60	0,55	0,45	0,59	0,53	0,44	0,57	0,50	0,43
Eurovent FCEER/FCCOP data class		E	E	E	E	E	E	E	E	E

Fan speed: L = Low, M = Medium, H = High

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C.

42CT		0730E				0740E				0731E			
Signal Voltage (Eurovent decleration + Maximum Speed)		2,5	3,5	6	7 (Max)	2,5	3,5	6	7 (Max)	2,5	3,5	6	7 (Max)
Coil type		2 Pipe*				2 Pipe*				4 Pipe**			
Air flow	l/s	176	223	333	386	173	218	323	373	175	218	319	367
	m3/h	633	803	1199	1390	622	784	1164	1342	628	784	1150	1320
Available static pressure	Pa	0	0	0	0	0	0	0	0	0	0	0	0
Cooling mode													
Total cooling capacity	kW	4,02	4,85	6,51	7,20	4,29	5,19	7,02	7,77	3,86	4,60	6,08	6,68
Sensible cooling capacity	kW	3,15	3,84	5,30	5,93	3,27	4,00	5,53	6,18	3,20	3,85	5,22	5,80
Water flow	l/s	0,19	0,23	0,31	0,35	0,20	0,25	0,34	0,37	0,18	0,22	0,29	0,32
	l/h	684	828	1116	1260	720	900	1224	1332	648	792	1044	1152
Water pressure drop	kPa	13,1	17,5	28,7	34,2	13,1	17,8	29,3	34,4	10,9	14,2	22,8	26,8
Heating mode													
Heating capacity	kW	4,44	5,40	7,42	8,31	4,66	5,69	7,91	8,88	5,07	5,85	7,43	8,09
Water flow	l/s	0,22	0,26	0,36	0,39	0,22	0,27	0,38	0,42	0,12	0,14	0,18	0,20
	l/h	792	936	1296	1404	792	972	1368	1512	432	504	648	720
Water pressure drop	kPa	11,9	15,8	26,3	31,3	11,3	15,4	26,0	31,3	14,6	18,4	27,8	31,7
Sound levels													
Sound power level	dB(A)	49	54	63	67	49	54	63	66	49	54	63	66
Electrical data, motor													
Power input	W	15	27	70	104	15	27	69	101	15	27	69	100
Input current	A	0,12	0,22	0,55	0,82	0,12	0,21	0,55	0,80	0,12	0,21	0,54	0,79
Eurovent FCEER/FCCOP data class		A/B				A/B				A/B			

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C

42CT		0830			0840			0831		
Fan speed (Eurovent certified speeds)		H	M	L	H	M	L	H	M	L
Coil type		2 Pipe*			2 Pipe*			4 Pipe**		
Air flow	l/s	466	348	255	442	337	252	447	338	248
	m^3/h	1.679	1.254	917	1.593	1.214	907	1.610	1.215	893
Available static pressure		0	0	0	0	0	0	0	0	0
Cooling mode										
Total cooling capacity	kW	8,76	7,12	5,60	9,14	7,45	5,91	8,18	6,71	5,30
Sensible cooling capacity	kW	6,79	5,39	4,15	6,89	5,52	4,30	6,37	5,11	3,96
Water flow	l/s	0,42	0,34	0,27	0,44	0,36	0,29	0,40	0,32	0,26
	l/h	1.526	1.239	988	1.594	1.303	1.034	1.436	1.168	935
Water pressure drop	kPa	41,0	29,1	20,2	32,6	23,6	16,4	33,2	23,6	16,5
Heating mode										
Heating capacity	kW	10,21	8,19	6,39	10,35	8,34	6,59	9,98	8,42	6,95
Water flow	l/s	0,49	0,39	0,30	0,49	0,40	0,31	0,24	0,20	0,17
	l/h	1.750	1.391	1.087	1.762	1.426	1.112	857	723	597
Water pressure drop	kPa	38,5	26,4	17,7	29,0	20,6	14,0	24,3	18,3	13,4
Sound levels										
Sound power level	dB(A)	63	57	49	63	57	49	63	57	49
Electrical data, motor										
Power input	W	185	149	128	181	148	127	182	148	127
Input current	A	0,80	0,65	0,56	0,79	0,64	0,55	0,79	0,64	0,55
Eurovent FCEER/FCCOP data class		E	E	E	E	E	E	E	E	E

Fan speed: L = Low, M = Medium, H = High

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C.

42CT		0830E				0840E				0831E			
Signal Voltage (Eurovent decleration + Maximum Speed)		2,5	3,5	6	8 (Max)	2,5	3,5	6	8 (Max)	2,5	3,5	6	8 (Max)
Coil type		2 Pipe*				2 Pipe*				4 Pipe**			
Air flow	l/s	303	365	524	641	288	349	499	614	281	343	492	608
	m3/h	1090	1316	1887	2309	1035	1256	1795	2212	1011	1233	1771	2190
Available static pressure	Pa	0	0	0	0	0	0	0	0	0	0	0	0
Cooling mode													
Total cooling capacity	kW	6,52	7,48	9,56	10,86	6,69	7,75	10,05	11,53	5,95	6,88	8,81	10,05
Sensible cooling capacity	kW	4,91	5,70	7,50	8,66	4,93	5,78	7,67	8,94	4,50	5,27	6,94	8,06
Water flow	l/s	0,31	0,36	0,46	0,52	0,32	0,37	0,48	0,56	0,28	0,33	0,42	0,49
	l/h	1116	1296	1656	1872	1152	1332	1728	2016	1008	1188	1512	1764
Water pressure drop	kPa	25,1	31,2	47,6	58,4	19,3	24,9	37,3	48,2	19,1	24,2	36,7	47,3
Heating mode													
Heating capacity	kW	7,22	8,38	11,05	12,89	7,23	8,46	11,26	13,25	7,40	8,39	10,47	11,91
Water flow	l/s	0,35	0,40	0,53	0,61	0,35	0,41	0,54	0,63	0,18	0,20	0,25	0,29
	l/h	1260	1440	1908	2196	1260	1476	1944	2268	648	720	900	1044
Water pressure drop	kPa	22,1	28,1	44,6	56,4	16,7	21,6	33,9	44,2	15,4	18,7	26,9	32,9
Sound levels													
Sound power level	dB(A)	50	55	65	71	50	55	64	71	50	54	64	71
Electrical data, motor													
Power input	W	25	45	122	230	25	42	116	219	24	42	114	216
Input current	A	0,20	0,36	0,98	1,85	0,20	0,34	0,93	1,76	0,20	0,34	0,92	1,74
Eurovent FCEER/FCCOP data class		A/B				A/B				A/B			

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C.

42CT		1030			1040			1031		
Fan speed (Eurovent certified speeds)		H	M	L	H	M	L	H	M	L
Coil type		2 Pipe*			2 Pipe*			4 Pipe**		
Air flow	l/s	553	413	296	515	401	296	529	409	297
	m^3/h	1.992	1.487	1.067	1.854	1.445	1.064	1.906	1.473	1.070
Available static pressure		0	0	0	0	0	0	0	0	0
Cooling mode										
Total cooling capacity	kW	10,20	8,31	6,49	10,55	8,77	6,91	9,50	7,94	6,27
Sensible cooling capacity	kW	8,36	6,63	5,05	8,39	6,84	5,28	8,22	6,71	5,17
Water flow	l/s	0,49	0,40	0,31	0,52	0,43	0,34	0,46	0,39	0,31
	l/h	1.777	1.454	1.132	1.862	1.549	1.213	1.669	1.400	1.114
Water pressure drop	kPa	45,9	32,9	21,8	38,8	28,6	19,3	44,0	32,8	22,6
Heating mode										
Heating capacity	kW	11,75	9,46	7,31	11,76	9,71	7,60	10,90	9,38	7,73
Water flow	l/s	0,56	0,45	0,35	0,56	0,46	0,36	0,26	0,22	0,18
	l/h	2.001	1.606	1.248	2.008	1.650	1.291	938	803	660
Water pressure drop	kPa	41,9	29,0	19,2	33,0	23,9	16,2	29,2	22,5	16,3
Sound levels										
Sound power level	dB(A)	68	61	54	67	61	54	68	61	54
Electrical data, motor										
Power input	W	217	197	173	208	192	173	212	195	173
Input current	A	0,95	0,86	0,75	0,91	0,83	0,75	0,92	0,85	0,75
Eurovent FCEER/FCCOP data class		E	E	E	E	E	E	E	E	E

Fan speed: L = Low, M = Medium, H = High

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C.

42CT		1030E				1040E				1031E			
Signal Voltage (Eurovent decleration + Maximum Speed)		2,5	3,5	6	8 (Max)	2,5	3,5	6	8 (Max)	2,5	3,5	6	8 (Max)
Coil type		2 Pipe*				2 Pipe*				4 Pipe**			
Air flow	l/s	294	375	541	696	290	362	507	633	283	352	499	623
	m3/h	1057	1351	1947	2505	1045	1302	1826	2278	1017	1269	1796	2243
Available static pressure	Pa	0	0	0	0	0	0	0	0	0	0	0	0
Cooling mode													
Total cooling capacity	kW	6,58	7,89	10,13	11,87	6,95	8,25	10,54	12,20	6,18	7,27	9,22	10,60
Sensible cooling capacity	kW	5,15	6,28	8,30	9,96	5,34	6,41	8,38	9,88	5,10	6,09	7,93	9,31
Water flow	l/s	0,31	0,38	0,49	0,57	0,33	0,39	0,50	0,59	0,29	0,35	0,44	0,51
	l/h	1116	1368	1764	2052	1188	1404	1800	2124	1044	1260	1584	1836
Water pressure drop	kPa	21,8	29,6	45,2	59,1	18,8	24,7	37,2	48,5	20,8	27,5	40,9	52,2
Heating mode													
Heating capacity	kW	7,12	8,65	11,46	13,85	7,35	8,80	11,54	13,72	7,35	8,43	10,44	11,95
Water flow	l/s	0,34	0,42	0,55	0,66	0,35	0,42	0,55	0,65	0,18	0,21	0,25	0,29
	l/h	1224	1512	1980	2376	1260	1512	1980	2340	648	756	900	1044
Water pressure drop	kPa	18,7	25,9	40,6	55,3	15,7	20,9	32,4	42,7	15,6	19,7	27,3	34,0
Sound levels													
Sound power level	dB(A)	51	56	66	72	51	56	65	72	51	56	65	71
Electrical data, motor													
Power input	W	27	45	127	249	27	44	120	228	26	43	118	224
Input current	A	0,21	0,35	0,99	1,94	0,21	0,34	0,94	1,78	0,21	0,34	0,92	1,75
Eurovent FCEER/FCCOP data class		A/B				A/B				A/B			

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C

42CT		1230			1240			1231		
Fan speed (Eurovent certified speeds)		H	M	L	H	M	L	H	M	L
Coil type		2 Pipe*			2 Pipe*			4 Pipe**		
Air flow	l/s	685	594	439	653	532	399	618	517	396
	m^3/h	2.466	2.138	1.581	2.351	1.915	1.436	2.226	1.861	1.425
Available static pressure		0	0	0	0	0	0	0	0	0
Cooling mode										
Total cooling capacity	kW	12,03	10,94	8,83	12,95	11,17	8,97	11,12	9,86	8,13
Sensible cooling capacity	kW	9,93	8,91	7,01	10,41	8,83	6,95	9,60	8,37	6,75
Water flow	l/s	0,59	0,53	0,43	0,63	0,55	0,43	0,54	0,48	0,40
	l/h	2.120	1.918	1.555	2.262	1.966	1.563	1.958	1.717	1.434
Water pressure drop	kPa	53,1	44,9	31,7	41,1	32,6	22,6	49,3	39,6	29,4
Heating mode										
Heating capacity	kW	14,00	12,63	10,08	14,26	12,21	9,77	12,79	11,52	9,82
Water flow	l/s	0,66	0,60	0,48	0,68	0,58	0,46	0,31	0,28	0,24
	l/h	2.392	2.150	1.727	2.437	2.087	1.657	1.099	991	848
Water pressure drop	kPa	48,7	40,7	28,3	35,1	27,3	18,9	43,4	36,5	28,1
Sound levels										
Sound power level	dB(A)	68	64	59	68	63	58	68	63	58
Electrical data, motor										
Power input	W	253	237	216	247	221	201	242	217	201
Input current	A	1,10	1,03	0,94	1,08	0,96	0,88	1,05	0,94	0,87
Eurovent FCEER/FCCOP data class		E	E	E	E	E	E	E	E	E

Fan speed: L = Low, M = Medium, H = High

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C.

42CT		1230E				1240E				1231E			
Signal Voltage (Eurovent decleration + Maximum Speed)		2,5	3,5	6	8 (Max)	2,5	3,5	6	8 (Max)	2,5	3,5	6	8 (Max)
Coil type		2 Pipe*				2 Pipe*				4 Pipe**			
Air flow	l/s	328	407	603	757	319	387	549	684	309	376	537	673
	m3/h	1182	1466	2169	2723	1150	1393	1976	2464	1114	1355	1935	2423
Available static pressure	Pa	0	0	0	0	0	0	0	0	0	0	0	0
Cooling mode													
Total cooling capacity	kW	7,26	8,52	11,16	12,87	7,66	8,91	11,55	13,40	6,90	7,99	10,23	11,79
Sensible cooling capacity	kW	5,68	6,76	9,12	10,73	5,89	6,92	9,17	10,83	5,66	6,63	8,73	10,27
Water flow	l/s	0,35	0,41	0,54	0,62	0,37	0,43	0,55	0,65	0,33	0,38	0,49	0,58
	l/h	1260	1476	1944	2232	1332	1548	1980	2340	1188	1368	1764	2088
Water pressure drop	kPa	22,3	29,0	45,7	58,2	17,4	22,0	33,4	43,5	21,8	27,4	41,9	54,5
Heating mode													
Heating capacity	kW	7,90	9,36	12,65	15,00	8,02	9,38	12,40	14,74	8,28	9,37	11,68	13,40
Water flow	l/s	0,38	0,45	0,60	0,71	0,39	0,45	0,59	0,70	0,20	0,23	0,28	0,32
	l/h	1368	1620	2160	2556	1404	1620	2124	2520	720	828	1008	1152
Water pressure drop	kPa	19,3	25,6	41,3	55,0	14,4	18,4	28,5	37,1	21,5	26,6	38,2	47,1
Sound levels													
Sound power level	dB(A)	52	56	65	70	52	56	64	70	52	56	64	70
Electrical data, motor													
Power input	W	28	47	128	251	27	45	119	230	27	44	117	226
Input current	A	0,21	0,35	0,96	1,89	0,21	0,34	0,90	1,73	0,20	0,33	0,88	1,71
Eurovent FCEER/FCCOP data class		A/B				A/B				A/B			

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C

42CT		1430			1440			1431		
Fan speed (Eurovent certified speeds)		H	M	L	H	M	L	H	M	L
Coil type		2 Pipe*			2 Pipe*			4 Pipe**		
Air flow	l/s	717	580	432	667	545	417	636	531	411
	m^3/h	2.581	2.088	1.553	2.402	1.963	1.502	2.291	1.913	1.480
Available static pressure		0	0	0	0	0	0	0	0	0
Cooling mode										
Total cooling capacity	kW	13,04	11,28	9,10	13,59	11,74	9,58	12,04	10,63	8,81
Sensible cooling capacity	kW	10,16	8,63	6,79	10,78	9,16	7,34	10,29	8,93	7,25
Water flow	l/s	0,64	0,55	0,44	0,67	0,58	0,46	0,59	0,52	0,43
	l/h	2.288	1.974	1.594	2.396	2.074	1.671	2.131	1.862	1.549
Water pressure drop	kPa	51,9	40,6	28,5	48,5	38,2	26,9	48,8	39,1	28,9
Heating mode										
Heating capacity	kW	15,21	13,00	10,37	14,95	12,80	10,38	13,68	12,30	10,54
Water flow	l/s	0,72	0,61	0,49	0,71	0,61	0,49	0,33	0,29	0,25
	l/h	2.590	2.210	1.762	2.544	2.195	1.765	1.179	1.054	902
Water pressure drop	kPa	48,0	36,8	25,4	40,5	31,8	22,3	53,7	44,4	34,1
Sound levels										
Sound power level	dB(A)	71	66	58	70	65	57	70	65	57
Electrical data, motor										
Power input	W	286	251	222	275	242	220	268	239	218
Input current	A	1,24	1,09	0,97	1,19	1,05	0,95	1,16	1,04	0,95
Eurovent FCEER/FCCOP data class		E	E	E	E	E	E	E	E	E

Fan speed: L = Low, M = Medium, H = High

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C.

42CT		1430E				1440E				1431E			
Signal Voltage (Eurovent decleration + Maximum Speed)		2,5	3,5	6	8 (Max)	2,5	3,5	6	8 (Max)	2,5	3,5	6	8 (Max)
Coil type		2 Pipe*				2 Pipe*				4 Pipe**			
Air flow	l/s	320	411	617	769	310	394	588	737	300	385	579	729
	m3/h	1154	1479	2221	2769	1115	1420	2116	2653	1081	1385	2083	2625
Available static pressure	Pa	0	0	0	0	0	0	0	0	0	0	0	0
Cooling mode													
Total cooling capacity	kW	7,39	8,93	11,90	13,70	7,70	9,32	12,54	14,62	7,06	8,54	11,40	13,25
Sensible cooling capacity	kW	5,46	6,69	9,18	10,77	5,84	7,16	9,87	11,70	5,72	7,03	9,68	11,48
Water flow	l/s	0,36	0,43	0,57	0,67	0,37	0,45	0,61	0,71	0,34	0,41	0,55	0,64
	l/h	1296	1548	2052	2412	1332	1620	2196	2556	1224	1476	1980	2304
Water pressure drop	kPa	20,1	27,2	43,7	56,2	18,6	25,5	41,5	54,1	19,5	26,9	43,8	55,9
Heating mode													
Heating capacity	kW	8,02	9,81	13,48	15,96	7,97	9,75	13,43	16,05	8,48	9,94	12,80	14,76
Water flow	l/s	0,38	0,47	0,64	0,76	0,39	0,47	0,65	0,77	0,21	0,24	0,31	0,35
	l/h	1368	1692	2304	2736	1404	1692	2340	2772	756	864	1116	1260
Water pressure drop	kPa	17,2	23,8	40,0	52,2	15,4	20,7	35,0	46,3	24,5	31,9	49,0	60,9
Sound levels													
Sound power level	dB(A)	53	57	66	72	53	57	66	71	53	57	66	71
Electrical data, motor													
Power input	W	27	47	130	255	27	45	125	245	26	45	124	243
Input current	A	0,20	0,35	0,97	1,90	0,20	0,34	0,94	1,83	0,20	0,33	0,92	1,81
Eurovent FCEER/FCCOP data class		A/B				A/B				A/B			

*Eurovent standard cooling conditions: air inlet temperature 27°C dry bulb/19°C wet bulb, water inlet/outlet temperature 7°C/12°C,

*Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 45°C/40°C,

**Eurovent standard heating conditions: air inlet temperature 20°C dry bulb/15°C wet bulb, water inlet/outlet temperature 65°C/55°C.

6. ELECTRICAL DATA

Fan operation 230V/1ph/50Hz and values are given for units with standard filter.

42CT 2 Pipe 3 Rows Models

42CT0230S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,14	31,80	222	0
	0,14	31,15	196	10
	0,13	30,74	180	15
	0,13	29,55	142	25
	0,12	28,51	114	30
	0,12	27,30	88	40
Medium Speed	0,18	41,94	379	0
	0,18	41,31	351	10
	0,18	40,97	336	15
	0,17	39,76	288	30
	0,17	38,75	253	40
	0,16	37,49	214	50
High Speed	0,22	50,69	480	0
	0,22	50,08	451	10
	0,22	49,73	436	15
	0,21	48,53	390	30
	0,20	46,56	326	50
	0,20	45,39	294	60

42CT 2 Pipe 4 Rows Models

42CT0240S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,14	31,86	225	0
	0,14	31,29	201	10
	0,13	30,94	188	15
	0,13	30,03	156	25
	0,13	29,39	137	30
	0,12	27,08	83	40
Medium Speed	0,18	41,70	368	0
	0,18	41,11	342	10
	0,18	40,79	329	15
	0,17	39,67	285	30
	0,17	38,77	254	40
	0,16	37,67	219	50
High Speed	0,22	50,25	459	0
	0,22	49,64	432	10
	0,21	49,30	418	15
	0,21	48,15	376	30
	0,20	46,32	319	50
	0,20	45,25	290	60

42CT 4 Pipe 3+1 Rows Models

42CT0231S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,14	31,91	227	0
	0,14	31,34	203	10
	0,13	30,98	189	15
	0,13	30,02	156	25
	0,13	29,31	135	30
	0,12	27,26	87	40
Medium Speed	0,18	41,79	372	0
	0,18	41,21	347	10
	0,18	40,90	333	15
	0,17	39,79	290	30
	0,17	38,89	258	40
	0,16	37,79	223	50
High Speed	0,22	50,31	461	0
	0,22	49,72	435	10
	0,21	49,39	422	15
	0,21	48,28	381	30
	0,20	46,48	324	50
	0,20	45,42	295	60

42CT0230E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,54	57,02	622	0
	0,51	53,61	580	10
	0,49	52,00	558	15
	0,45	47,33	487	30
	0,38	40,64	373	50
	0,35	36,50	302	60
6 Volt	0,37	38,63	556	0
	0,34	35,91	504	10
	0,33	34,62	476	15
	0,29	30,72	384	30
	0,23	24,30	229	50
4,5 Volt	0,21	22,47	447	0
	0,19	20,44	379	10
	0,18	19,45	343	15
	0,15	16,13	218	30
3 Volt	0,10	11,02	331	0
	0,09	9,58	234	10
	0,08	8,28	172	15

42CT0240E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,50	53,02	572	0
	0,48	50,35	534	10
	0,46	49,04	515	15
	0,43	45,11	451	30
	0,37	39,38	351	50
	0,34	35,94	292	60
6 Volt	0,34	36,12	508	0
	0,32	34,00	462	10
	0,31	32,95	438	15
	0,28	29,73	360	30
	0,23	24,61	236	50
4,5 Volt	0,20	21,34	411	0
	0,19	19,76	355	10
	0,18	18,97	325	15
	0,15	16,39	228	30
3 Volt	0,10	10,82	314	0
	0,09	9,70	240	10
	0,08	8,87	198	15

42CT0231E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,50	52,58	566	0
	0,47	50,00	529	10
	0,46	48,73	510	15
	0,42	44,85	446	30
	0,37	39,04	345	50
	0,33	35,38	283	60
6 Volt	0,34	35,87	503	0
	0,32	33,79	457	10
	0,31	32,75	433	15
	0,28	29,50	354	30
	0,23	23,96	221	50
4,5 Volt	0,20	21,19	406	0
	0,19	19,60	349	10
	0,18	18,78	318	15
	0,15	15,97	213	30
3 Volt	0,10	10,71	305	0
	0,09	9,39	224	10
	0,08	8,33	174	15

42CT 2 Pipe 3 Rows Models

42CT0330S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,24	55,22	442	0
	0,24	54,31	372	10
	0,23	53,79	341	15
	0,23	52,26	286	25
	0,23	51,84	260	30
	0,22	50,15	213	40
Medium Speed	0,28	64,33	568	0
	0,27	61,46	489	10
	0,26	60,11	454	15
	0,25	56,74	358	30
	0,24	55,14	302	40
	0,23	54,03	250	50
High Speed	0,34	77,45	703	0
	0,33	76,31	637	10
	0,33	75,75	604	15
	0,32	74,01	509	30
	0,31	71,54	386	50
	0,31	70,16	326	60

42CT 2 Pipe 4 Rows Models

42CT0340S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,24	54,97	420	0
	0,24	54,20	364	10
	0,23	53,75	339	15
	0,23	52,69	291	25
	0,23	52,07	268	30
	0,23	50,64	226	40
Medium Speed	0,27	62,62	520	0
	0,26	60,35	460	10
	0,26	59,30	432	15
	0,25	56,59	354	30
	0,24	55,21	305	40
	0,24	54,20	259	50
High Speed	0,33	76,33	637	0
	0,33	75,39	584	10
	0,33	74,92	558	15
	0,32	73,46	480	30
	0,31	71,33	377	50
	0,31	70,16	326	60

42CT 4 Pipe 3+1 Rows Models

42CT0331S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,24	55,07	428	0
	0,24	54,30	371	10
	0,23	53,85	344	15
	0,23	52,78	294	25
	0,23	52,14	271	30
	0,22	50,65	226	40
Medium Speed	0,27	62,87	526	0
	0,26	60,64	468	10
	0,26	59,58	439	15
	0,25	56,78	359	30
	0,24	55,32	309	40
	0,24	54,24	261	50
High Speed	0,33	76,33	638	0
	0,33	75,45	588	10
	0,33	75,00	562	15
	0,32	73,58	486	30
	0,31	71,48	383	50
	0,31	70,29	331	60

42CT0330E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,74	85,15	896	0
	0,69	79,61	830	10
	0,67	76,73	794	15
	0,59	67,36	676	30
	0,44	51,16	472	50
	0,33	38,32	319	60
5 Volt	0,34	38,95	672	0
	0,30	34,49	579	10
	0,28	32,20	529	15
	0,21	24,54	358	30
3 Volt	0,12	13,46	427	0
	0,10	11,27	319	10
2,5 Volt	0,10	11,06	369	0
	0,08	8,65	263	10

42CT0340E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,72	83,19	873	0
	0,68	77,98	810	10
	0,65	75,26	776	15
	0,58	66,36	664	30
	0,44	50,89	469	50
	0,34	38,55	322	60
5 Volt	0,33	38,32	659	0
	0,30	34,13	571	10
	0,28	31,96	524	15
	0,21	24,59	359	30
3 Volt	0,12	13,44	426	0
	0,10	11,31	322	10
2,5 Volt	0,10	11,08	370	0
	0,08	8,69	265	10

42CT0331E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,71	82,18	861	0
	0,67	76,99	798	10
	0,65	74,28	764	15
	0,57	65,39	651	30
	0,43	49,84	456	50
	0,32	37,35	308	60
5 Volt	0,33	37,71	647	0
	0,29	33,58	559	10
	0,27	31,44	512	15
	0,21	24,13	349	30
3 Volt	0,11	13,22	418	0
	0,10	11,14	310	10
2,5 Volt	0,09	10,83	363	0
	0,07	8,57	257	10

42CT 2 Pipe 3 Rows Models

42CT0430S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,28	64,58	468	0
	0,28	63,60	433	10
	0,27	62,88	415	15
	0,27	61,01	375	25
	0,26	59,83	353	30
	0,25	56,83	302	40
Medium Speed	0,33	76,79	685	0
	0,33	74,90	646	10
	0,32	73,95	626	15
	0,31	70,86	558	30
	0,30	68,48	507	40
	0,29	65,61	447	50
High Speed	0,38	86,64	836	0
	0,37	84,90	798	10
	0,37	84,03	778	15
	0,35	81,36	714	30
	0,34	77,28	612	50
	0,32	74,74	550	60

42CT 2 Pipe 4 Rows Models

42CT0440S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,28	64,51	465	0
	0,28	63,53	432	10
	0,27	62,85	414	15
	0,27	61,14	377	25
	0,26	60,10	357	30
	0,25	57,57	314	40
Medium Speed	0,33	76,33	676	0
	0,32	74,44	636	10
	0,32	73,48	616	15
	0,31	70,41	548	30
	0,30	68,09	499	40
	0,28	65,39	443	50
High Speed	0,38	86,43	831	0
	0,37	84,60	791	10
	0,36	83,70	770	15
	0,35	80,92	703	30
	0,33	76,73	599	50
	0,32	74,19	537	60

42CT 4 Pipe 3+1 Rows Models

42CT0431S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,28	64,52	465	0
	0,28	63,57	433	10
	0,27	62,90	416	15
	0,27	61,21	379	25
	0,26	60,16	358	30
	0,25	57,54	314	40
Medium Speed	0,33	75,50	659	0
	0,32	73,83	623	10
	0,32	72,97	604	15
	0,31	70,17	543	30
	0,30	68,01	497	40
	0,28	65,46	444	50
High Speed	0,37	84,54	790	0
	0,36	83,06	755	10
	0,36	82,30	737	15
	0,35	79,92	678	30
	0,33	76,23	586	50
	0,32	73,94	531	60

42CT0430E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,87	101,82	1050	0
	0,82	96,68	988	10
	0,80	93,94	957	15
	0,72	85,00	857	30
	0,61	71,08	709	50
	0,54	63,06	626	60
5 Volt	0,39	45,78	792	0
	0,35	41,42	714	10
	0,33	39,21	670	15
	0,27	31,72	506	30
3 Volt	0,14	16,42	557	0
	0,12	13,89	411	10
	0,10	11,33	299	15
2,5 Volt	0,11	12,87	478	0
	0,08	9,31	298	10

42CT0440E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,82	96,51	987	0
	0,78	91,78	932	10
	0,76	89,27	904	15
	0,69	81,10	814	30
	0,58	68,43	681	50
	0,52	61,10	606	60
5 Volt	0,37	43,69	756	0
	0,34	39,89	684	10
	0,32	37,92	643	15
	0,27	31,10	492	30
3 Volt	0,14	16,16	538	0
	0,12	13,74	404	10
	0,10	11,28	297	15
2,5 Volt	0,11	12,61	467	0
	0,08	9,28	296	10

42CT0431E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,81	95,49	975	0
	0,77	90,73	920	10
	0,75	88,21	892	15
	0,68	80,03	803	30
	0,57	67,35	670	50
	0,51	60,03	596	60
5 Volt	0,37	43,05	745	0
	0,33	39,29	672	10
	0,32	37,34	631	15
	0,26	30,49	478	30
3 Volt	0,14	15,95	525	0
	0,11	13,41	388	10
	0,09	10,78	277	15
2,5 Volt	0,10	12,31	453	0
	0,08	8,96	279	10

42CT 2 Pipe 3 Rows Models

42CT0530S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,38	87,96	625	0
	0,37	86,08	574	10
	0,37	85,08	548	15
	0,36	82,93	498	25
	0,36	81,79	473	30
	0,34	79,35	423	40
Medium Speed	0,45	102,86	827	0
	0,43	100,01	777	10
	0,43	98,61	752	15
	0,41	94,40	671	30
	0,40	91,47	613	40
	0,38	88,33	551	50
High Speed	0,51	117,87	1024	0
	0,50	115,27	967	10
	0,50	114,00	937	15
	0,48	110,20	841	30
	0,46	104,81	692	50
	0,44	101,67	604	60

42CT 2 Pipe 4 Rows Models

42CT0540S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,38	87,92	624	0
	0,37	85,94	570	10
	0,37	84,87	543	15
	0,36	82,55	489	25
	0,35	81,29	462	30
	0,34	78,56	408	40
Medium Speed	0,45	102,98	828	0
	0,44	100,16	780	10
	0,43	98,73	754	15
	0,41	94,43	672	30
	0,40	91,37	611	40
	0,38	88,00	545	50
High Speed	0,51	117,65	1019	0
	0,50	115,19	965	10
	0,50	113,98	936	15
	0,48	110,30	843	30
	0,46	104,87	694	50
	0,44	101,53	601	60

42CT 4 Pipe 3+1 Rows Models

42CT0531S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,38	87,97	625	0
	0,37	85,84	568	10
	0,37	84,68	539	15
	0,36	82,13	480	25
	0,35	80,73	451	30
	0,34	77,64	391	40
Medium Speed	0,45	102,75	825	0
	0,43	99,79	773	10
	0,43	98,31	746	15
	0,41	93,72	658	30
	0,39	90,34	591	40
	0,38	86,44	514	50
High Speed	0,51	116,73	999	0
	0,50	114,22	942	10
	0,49	112,97	911	15
	0,48	109,05	810	30
	0,45	102,73	634	50
	0,43	97,91	503	60

42CT0530E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,79	88,79	1178	0
	0,75	84,30	1102	10
	0,73	81,99	1062	15
	0,66	74,65	933	30
	0,56	63,28	735	50
	0,50	56,33	619	60
6 Volt	0,56	62,67	1037	0
	0,52	58,25	953	10
	0,50	56,04	908	15
	0,44	49,06	759	30
	0,33	37,31	500	50
	0,25	27,64	305	60
3,5 Volt	0,19	21,06	676	0
	0,17	19,47	559	10
	0,16	18,45	493	15
	0,12	13,34	237	30
2,5 Volt	0,12	13,77	560	0
	0,11	11,87	415	10
	0,09	10,50	323	15

42CT0540E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,75	84,40	1104	0
	0,71	80,46	1035	10
	0,70	78,41	999	15
	0,64	71,86	884	30
	0,55	61,53	706	50
	0,49	55,15	599	60
6 Volt	0,53	59,55	979	0
	0,49	55,76	902	10
	0,48	53,82	862	15
	0,42	47,59	726	30
	0,33	36,79	489	50
	0,25	27,62	305	60
3,5 Volt	0,18	20,77	653	0
	0,17	19,27	545	10
	0,16	18,30	484	15
	0,12	13,34	236	30
2,5 Volt	0,12	13,60	546	0
	0,10	11,81	410	10
	0,09	10,49	322	15

42CT0531E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,74	82,87	1077	0
	0,70	79,15	1012	10
	0,69	77,21	978	15
	0,63	70,96	869	30
	0,54	61,07	698	50
	0,49	54,93	596	60
6 Volt	0,52	58,53	959	0
	0,49	54,97	886	10
	0,47	53,13	847	15
	0,42	47,19	717	30
	0,33	36,78	488	50
	0,25	27,69	306	60
3,5 Volt	0,18	20,70	648	0
	0,17	19,24	543	10
	0,16	18,30	483	15
	0,12	13,31	235	30
2,5 Volt	0,12	13,58	544	0
	0,10	11,82	411	10
	0,09	10,51	324	15

42CT 2 Pipe 3 Rows Models

42CT0630S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,42	97,37	585	0
	0,41	93,17	520	10
	0,40	91,16	488	15
	0,38	87,11	426	25
	0,37	85,05	395	30
	0,35	80,76	335	40
Medium Speed	0,50	114,56	924	0
	0,49	112,52	869	10
	0,48	111,32	840	15
	0,47	106,99	747	30
	0,45	103,37	678	40
	0,43	98,96	602	50
High Speed	0,56	129,69	1159	0
	0,55	127,38	1099	10
	0,55	126,08	1068	15
	0,53	121,48	967	30
	0,49	113,19	808	50
	0,47	107,55	713	60

42CT 2 Pipe 4 Rows Models

42CT0640S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,43	97,82	591	0
	0,41	93,83	530	10
	0,40	91,92	500	15
	0,38	88,09	441	25
	0,37	86,13	411	30
	0,36	82,07	353	40
Medium Speed	0,50	114,33	917	0
	0,49	112,37	865	10
	0,48	111,24	838	15
	0,47	107,18	750	30
	0,45	103,83	686	40
	0,43	99,81	616	50
High Speed	0,56	129,32	1149	0
	0,55	127,18	1094	10
	0,55	125,98	1066	15
	0,53	121,81	973	30
	0,50	114,49	831	50
	0,48	109,66	747	60

42CT 4 Pipe 3+1 Rows Models

42CT0631S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,42	96,60	573	0
	0,40	92,99	517	10
	0,40	91,22	489	15
	0,38	87,63	434	25
	0,37	85,79	406	30
	0,36	81,94	351	40
Medium Speed	0,49	112,75	875	0
	0,48	110,70	825	10
	0,48	109,54	800	15
	0,46	105,49	717	30
	0,44	102,22	657	40
	0,43	98,33	592	50
High Speed	0,55	126,51	1078	0
	0,54	124,26	1026	10
	0,53	123,03	999	15
	0,52	118,81	913	30
	0,48	111,54	779	50
	0,46	106,81	701	60

42CT0630E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,82	98,22	1320	0
	0,79	94,26	1246	10
	0,77	92,12	1206	15
	0,71	84,89	1075	30
	0,60	71,99	853	50
	0,52	62,26	696	60
6 Volt	0,58	68,85	1156	0
	0,55	65,35	1073	10
	0,53	63,42	1028	15
	0,47	56,61	875	30
	0,35	41,73	567	50
3,5 Volt	0,20	23,87	764	0
	0,18	21,61	622	10
	0,17	20,14	537	15
2,5 Volt	0,12	14,49	613	0
	0,10	12,32	420	10
	0,09	10,21	272	15

42CT0640E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,80	95,58	1271	0
	0,77	91,73	1199	10
	0,75	89,66	1161	15
	0,69	82,66	1036	30
	0,59	70,18	823	50
	0,51	60,80	673	60
6 Volt	0,56	67,18	1116	0
	0,53	63,79	1037	10
	0,52	61,93	994	15
	0,46	55,34	847	30
	0,34	41,03	554	50
3,5 Volt	0,20	23,55	743	0
	0,18	21,39	609	10
	0,17	19,99	529	15
2,5 Volt	0,12	14,36	600	0
	0,10	12,29	418	10
	0,09	10,32	278	15

42CT0631E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,78	92,85	1220	0
	0,74	88,90	1148	10
	0,73	86,77	1109	15
	0,66	79,53	981	30
	0,56	66,41	762	50
	0,47	56,14	602	60
6 Volt	0,54	65,09	1067	0
	0,52	61,61	987	10
	0,50	59,68	943	15
	0,44	52,83	793	30
	0,31	37,26	483	50
3,5 Volt	0,19	22,75	692	0
	0,17	20,50	558	10
	0,16	19,03	477	15
2,5 Volt	0,12	13,82	548	0
	0,10	11,60	365	10
	0,08	9,40	224	15

42CT 2 Pipe 3 Rows Models

42CT0730S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,45	102,46	692	0
	0,41	95,4	565	10
	0,4	92,45	521	15
	0,38	87,29	446	25
	0,37	84,97	414	30
	0,35	80,67	356	40
Medium Speed	0,55	127,37	1179	0
	0,52	120,02	1026	10
	0,51	116,91	964	15
	0,47	108,58	806	30
	0,45	103,41	716	40
	0,43	98,35	635	50
High Speed	0,6	138,26	1338	0
	0,59	135,72	1280	10
	0,58	134,34	1249	15
	0,56	129,62	1147	30
	0,53	121,06	976	50
	0,50	114,59	857	60

42CT 2 Pipe 4 Rows Models

42CT0740S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,44	101,30	667	0
	0,41	95,44	566	10
	0,40	92,82	526	15
	0,38	88,09	457	25
	0,37	85,93	427	30
	0,36	81,89	372	40
Medium Speed	0,53	121,64	1060	0
	0,51	116,39	954	10
	0,50	113,94	906	15
	0,46	106,94	777	30
	0,45	102,42	700	40
	0,43	97,91	628	50
High Speed	0,59	135,45	1274	0
	0,58	132,85	1216	10
	0,57	131,44	1186	15
	0,55	126,63	1085	30
	0,51	117,93	918	50
	0,48	111,45	803	60

42CT 4 Pipe 3+1 Rows Models

42CT0731S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,43	97,88	605	0
	0,41	93,77	540	10
	0,4	91,84	511	15
	0,38	88,19	459	25
	0,38	86,47	435	30
	0,36	83,17	389	40
Medium Speed	0,5	115,62	938	0
	0,49	112,32	875	10
	0,48	110,71	845	15
	0,46	105,93	759	30
	0,45	102,77	706	40
	0,43	99,61	655	50
High Speed	0,57	130,61	1168	0
	0,56	128,26	1119	10
	0,55	127	1093	15
	0,53	122,73	1008	30
	0,5	115,31	870	50
	0,48	110,16	782	60

42CT0730E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,82	103,95	1390	0
	0,79	99,89	1317	10
	0,77	97,73	1278	15
	0,72	90,49	1148	30
	0,61	77,47	920	50
	0,53	66,89	745	60
6 Volt	0,55	70,10	1199	0
	0,54	67,68	1118	10
	0,52	66,19	1073	15
	0,48	60,37	923	30
	0,37	46,37	627	50
3,5 Volt	0,22	27,28	803	0
	0,18	23,12	656	10
	0,17	21,23	573	15
	0,12	14,70	251	30
2,5 Volt	0,12	15,05	633	0
	0,10	13,22	458	10
	0,09	11,90	353	15

42CT0740E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,80	101,31	1342	0
	0,77	97,43	1272	10
	0,75	95,36	1235	15
	0,70	88,38	1110	30
	0,60	75,74	891	50
	0,52	65,30	719	60
6 Volt	0,55	69,12	1164	0
	0,53	66,63	1086	10
	0,51	65,13	1044	15
	0,47	59,37	899	30
	0,36	45,56	612	50
3,5 Volt	0,21	26,66	784	0
	0,18	22,82	644	10
	0,17	21,01	563	15
	0,11	14,17	228	30
2,5 Volt	0,12	14,94	622	0
	0,10	13,11	449	10
	0,09	11,73	340	15

42CT0731E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
7 Volt	0,79	100,10	1320	0
	0,76	96,33	1252	10
	0,75	94,32	1216	15
	0,69	87,56	1096	30
	0,60	75,39	885	50
	0,52	65,55	723	60
6 Volt	0,54	68,69	1150	0
	0,52	66,22	1074	10
	0,51	64,75	1033	15
	0,47	59,15	894	30
	0,36	46,05	621	50
3,5 Volt	0,21	26,65	784	0
	0,18	22,96	650	10
	0,17	21,20	572	15
	0,12	14,60	246	30
2,5 Volt	0,12	15,00	628	0
	0,10	13,26	462	10
	0,09	11,95	356	15

42CT 2 Pipe 3 Rows Models

42CT0830S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,56	127,72	917	0
	0,53	122,40	781	10
	0,53	121,03	743	15
	0,52	118,93	686	25
	0,51	118,05	662	30
	0,51	116,49	620	40
Medium Speed	0,65	149,49	1254	0
	0,64	147,09	1186	10
	0,63	145,94	1153	15
	0,62	142,56	1057	30
	0,61	140,34	995	40
	0,60	138,12	935	50
High Speed	0,80	184,52	1679	0
	0,79	181,29	1600	10
	0,78	179,75	1560	15
	0,76	175,21	1434	30
	0,73	168,96	1254	50
	0,72	165,57	1158	60

42CT 2 Pipe 4 Rows Models

42CT0840S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,55	127,31	907	0
	0,53	122,25	777	10
	0,53	121,01	743	15
	0,52	119,03	689	25
	0,51	118,19	666	30
	0,51	116,68	625	40
Medium Speed	0,64	148,06	1214	0
	0,63	145,91	1152	10
	0,63	144,86	1122	15
	0,62	141,75	1034	30
	0,61	139,69	978	40
	0,60	137,62	922	50
High Speed	0,79	181,01	1593	0
	0,78	178,26	1519	10
	0,77	176,90	1481	15
	0,75	172,81	1365	30
	0,73	167,05	1199	50
	0,71	163,92	1112	60

42CT 4 Pipe 3+1 Rows Models

42CT0831S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,55	126,70	893	0
	0,53	122,16	774	10
	0,53	120,94	741	15
	0,52	118,99	688	25
	0,51	118,16	665	30
	0,51	116,67	625	40
Medium Speed	0,64	148,10	1215	0
	0,63	145,91	1152	10
	0,63	144,84	1122	15
	0,62	141,70	1033	30
	0,61	139,62	976	40
	0,60	137,54	920	50
High Speed	0,79	181,67	1610	0
	0,78	178,75	1533	10
	0,77	177,32	1493	15
	0,75	173,05	1372	30
	0,73	167,10	1201	50
	0,71	163,89	1111	60

42CT0830E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
8 Volt	1,85	229,85	2309	0
	1,76	218,79	2214	10
	1,72	213,26	2165	15
	1,58	196,57	2010	30
	1,40	173,54	1785	50
	1,30	161,42	1663	60
6 Volt	0,98	121,93	1887	0
	0,91	113,02	1751	10
	0,87	108,61	1680	15
	0,77	95,25	1453	30
	0,61	76,02	1104	50
	0,52	64,96	900	60
3,5 Volt	0,36	44,50	1316	0
	0,31	38,58	1129	10
	0,29	35,69	1018	15
	0,18	22,79	459	30
2,5 Volt	0,20	25,16	1090	0
	0,18	22,50	828	10
	0,16	20,40	651	15

42CT0840E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
8 Volt	1,76	218,54	2212	0
	1,68	208,38	2120	10
	1,64	203,27	2073	15
	1,51	187,74	1925	30
	1,34	166,10	1710	50
	1,25	154,63	1593	60
6 Volt	0,93	115,85	1795	0
	0,87	107,82	1667	10
	0,84	103,80	1600	15
	0,74	91,48	1386	30
	0,59	73,44	1057	50
	0,51	62,96	863	60
3,5 Volt	0,34	42,41	1256	0
	0,30	37,13	1075	10
	0,28	34,46	968	15
	0,18	21,74	417	30
2,5 Volt	0,20	24,64	1035	0
	0,18	22,01	784	10
	0,16	19,91	613	15

42CT0831E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
8 Volt	1,74	216,09	2190	0
	1,66	206,02	2099	10
	1,62	200,96	2051	15
	1,49	185,53	1904	30
	1,32	164,01	1689	50
	1,23	152,59	1572	60
6 Volt	0,92	114,28	1771	0
	0,86	106,37	1643	10
	0,82	102,40	1577	15
	0,73	90,21	1363	30
	0,58	72,32	1036	50
	0,50	61,91	844	60
3,5 Volt	0,34	41,67	1233	0
	0,29	36,52	1051	10
	0,27	33,88	943	15
	0,17	20,63	375	30
2,5 Volt	0,20	24,40	1011	0
	0,17	21,71	758	10
	0,16	19,56	586	15

42CT 2 Pipe 3 Rows Models

42CT1030S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,75	173,02	1067	0
	0,74	169,10	1034	10
	0,73	167,30	1016	15
	0,71	163,76	976	25
	0,70	161,94	953	30
	0,69	157,90	900	40
Medium Speed	0,86	196,72	1487	0
	0,83	190,53	1434	10
	0,82	187,53	1406	15
	0,78	178,54	1314	30
	0,75	172,23	1245	40
	0,72	165,32	1166	50
High Speed	0,95	217,38	1992	0
	0,92	211,72	1907	10
	0,91	208,96	1863	15
	0,87	200,83	1733	30
	0,83	190,13	1555	50
	0,80	184,74	1465	60

42CT 2 Pipe 4 Rows Models

42CT1040S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,75	172,64	1064	0
	0,73	168,99	1033	10
	0,73	167,30	1016	15
	0,71	164,00	979	25
	0,71	162,32	958	30
	0,69	158,72	911	40
Medium Speed	0,83	191,74	1445	0
	0,81	186,32	1394	10
	0,80	183,65	1368	15
	0,76	175,50	1282	30
	0,74	169,77	1217	40
	0,71	163,54	1146	50
High Speed	0,91	208,35	1854	0
	0,89	203,73	1780	10
	0,88	201,44	1743	15
	0,85	194,62	1630	30
	0,81	185,48	1477	50
	0,79	180,84	1400	60

42CT 4 Pipe 3+1 Rows Models

42CT1031S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,75	173,39	1070	0
	0,74	169,48	1037	10
	0,73	167,69	1020	15
	0,71	164,21	981	25
	0,71	162,43	959	30
	0,69	158,54	908	40
Medium Speed	0,85	194,97	1473	0
	0,82	189,24	1422	10
	0,81	186,44	1395	15
	0,77	177,98	1308	30
	0,75	172,02	1243	40
	0,72	165,51	1168	50
High Speed	0,92	211,68	1906	0
	0,90	207,00	1832	10
	0,89	204,67	1795	15
	0,86	197,70	1681	30
	0,82	188,28	1524	50
	0,80	183,44	1443	60

42CT1030E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
8 Volt	1,94	248,77	2505	0
	1,86	237,56	2384	10
	1,81	231,96	2323	15
	1,68	215,23	2144	30
	1,51	193,02	1907	50
	1,42	181,93	1790	60
6 Volt	0,99	126,35	1947	0
	0,93	119,33	1816	10
	0,90	115,67	1748	15
	0,81	103,93	1535	30
	0,67	86,04	1220	50
	0,59	75,76	1045	60
3,5 Volt	0,35	45,18	1351	0
	0,31	39,92	1133	10
	0,29	37,24	1020	15
	0,22	28,75	656	30
2,5 Volt	0,21	27,22	1057	0
	0,18	22,88	833	10
	0,16	20,87	709	15
	0,11	13,90	261	30

42CT1040E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
8 Volt	1,78	227,71	2278	0
	1,71	219,07	2185	10
	1,68	214,71	2138	15
	1,57	201,42	1996	30
	1,43	183,24	1804	50
	1,36	173,93	1706	60
6 Volt	0,94	119,90	1826	0
	0,89	113,89	1716	10
	0,86	110,74	1658	15
	0,79	100,53	1474	30
	0,66	84,61	1195	50
	0,59	75,17	1036	60
3,5 Volt	0,34	43,97	1302	0
	0,31	39,42	1113	10
	0,29	37,01	1010	15
	0,22	28,70	654	30
2,5 Volt	0,21	26,95	1045	0
	0,18	22,88	833	10
	0,16	20,87	709	15

42CT1031E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
8 Volt	1,75	224,46	2243	0
	1,69	215,95	2151	10
	1,65	211,65	2105	15
	1,55	198,57	1966	30
	1,41	180,66	1777	50
	1,34	171,49	1681	60
6 Volt	0,92	118,24	1796	0
	0,88	112,26	1686	10
	0,85	109,11	1628	15
	0,77	98,96	1446	30
	0,65	83,12	1170	50
	0,58	73,74	1012	60
3,5 Volt	0,34	43,16	1269	0
	0,30	38,70	1082	10
	0,28	36,34	981	15
	0,22	28,17	632	30
2,5 Volt	0,21	26,35	1017	0
	0,18	22,46	807	10
	0,16	20,50	685	15

42CT 2 Pipe 3 Rows Models

42CT1230S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,94	215,73	1581	0
	0,89	196,81	1375	10
	0,84	193,48	1326	15
	0,82	188,65	1248	25
	0,81	186,73	1215	30
	0,80	183,46	1157	40
Medium Speed	1,03	236,72	2138	0
	0,96	221,02	1920	10
	0,94	216,37	1846	15
	0,90	206,75	1672	30
	0,88	202,33	1578	40
	0,86	198,86	1495	50
High Speed	1,10	252,77	2466	0
	1,10	252,77	2466	10
	1,07	246,37	2332	15
	1,04	238,19	2149	30
	1,01	232,07	2007	50
	1,00	229,66	1951	60

42CT 2 Pipe 4 Rows Models

42CT1240S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,88	201,38	1436	0
	0,84	194,07	1355	10
	0,83	191,56	1296	15
	0,82	187,57	1230	25
	0,81	185,89	1201	30
	0,80	182,96	1148	40
Medium Speed	0,96	220,74	1915	0
	0,93	213,26	1793	10
	0,91	210,33	1741	15
	0,88	203,50	1604	30
	0,87	200,08	1525	40
	0,86	197,30	1453	50
High Speed	1,08	247,29	2351	0
	1,05	241,18	2217	10
	1,04	239,13	2171	15
	1,02	234,35	2061	30
	1,00	229,53	1948	50
	0,99	227,48	1899	60

42CT 4 Pipe 3+1 Rows Models

42CT1231S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,87	200,50	1425	0
	0,84	193,74	1330	10
	0,83	191,33	1292	15
	0,81	187,42	1227	25
	0,81	185,76	1198	30
	0,79	182,85	1146	40
Medium Speed	0,94	217,33	1861	0
	0,92	211,39	1760	10
	0,91	208,91	1714	15
	0,88	202,85	1590	30
	0,87	199,68	1516	40
	0,86	197,05	1446	50
High Speed	1,05	241,57	2226	0
	1,04	238,08	2147	10
	1,03	236,60	2113	15
	1,01	232,75	2023	30
	0,99	228,52	1924	50
	0,99	226,65	1880	60

42CT1230E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
8 Volt	1,89	251,44	2723	0
	1,83	242,56	2618	10
	1,79	237,98	2563	15
	1,68	223,42	2386	30
	1,51	201,11	2109	50
	1,41	187,81	1943	60
6 Volt	0,96	127,84	2169	0
	0,91	120,73	2012	10
	0,88	117,00	1927	15
	0,79	104,65	1646	30
	0,62	82,36	1149	50
	0,47	62,88	755	60
3,5 Volt	0,35	46,59	1466	0
	0,31	41,19	1236	10
	0,29	38,44	1106	15
	0,21	27,92	595	30
2,5 Volt	0,21	27,83	1182	0
	0,18	23,94	903	10
	0,16	21,51	725	15

42CT1240E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
8 Volt	1,73	229,77	2464	0
	1,67	222,24	2371	10
	1,64	218,31	2323	15
	1,55	205,75	2167	30
	1,40	186,22	1923	50
	1,31	174,49	1777	60
6 Volt	0,90	119,16	1976	0
	0,85	113,36	1845	10
	0,83	110,28	1775	15
	0,75	99,93	1538	30
	0,61	80,75	1115	50
	0,47	62,94	756	60
3,5 Volt	0,34	44,77	1393	0
	0,30	40,32	1195	10
	0,29	37,94	1081	15
	0,21	27,75	587	30
2,5 Volt	0,21	27,35	1150	0
	0,18	23,87	897	10
	0,16	21,52	726	15

42CT1231E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
8 Volt	1,71	226,47	2423	0
	1,65	218,95	2330	10
	1,62	215,02	2282	15
	1,52	202,42	2125	30
	1,38	182,73	1879	50
	1,29	170,82	1731	60
6 Volt	0,88	117,31	1935	0
	0,84	111,55	1803	10
	0,82	108,48	1733	15
	0,74	98,12	1497	30
	0,59	78,72	1072	50
	0,45	60,14	704	60
3,5 Volt	0,33	43,87	1355	0
	0,30	39,54	1158	10
	0,28	37,19	1045	15
	0,20	26,90	550	30
2,5 Volt	0,20	26,84	1114	0
	0,18	23,38	861	10
	0,16	20,99	688	15

42CT 2 Pipe 3 Rows Models

42CT1430S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,97	222,15	1553	0
	0,95	217,61	1465	10
	0,93	214,97	1418	15
	0,91	208,82	1315	25
	0,89	205,22	1258	30
	0,85	196,46	1129	40
Medium Speed	1,09	250,61	2088	0
	1,06	242,97	1976	10
	1,04	239,29	1919	15
	0,99	228,59	1750	30
	0,96	221,61	1637	40
	0,93	214,64	1523	50
High Speed	1,24	285,54	2581	0
	1,21	277,80	2451	10
	119,00	273,55	2384	15
	1,13	258,99	2166	30
	1,02	234,06	1828	50
	0,95	217,96	1628	60

42CT 2 Pipe 4 Rows Models

42CT1440S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,95	219,56	1502	0
	0,93	212,78	1380	10
	0,92	210,51	1343	15
	0,90	206,69	1281	25
	0,89	205,00	1255	30
	0,88	201,91	1208	40
Medium Speed	1,05	242,16	1963	0
	1,03	237,03	1884	10
	1,02	234,50	1844	15
	0,99	226,98	1724	30
	0,97	221,98	1643	40
	0,94	216,95	1561	50
High Speed	1,19	274,69	2402	0
	1,16	266,19	2271	10
	1,14	261,70	2205	15
	1,07	247,24	2002	30
	0,98	225,49	1720	50
	0,93	213,44	1574	60

42CT 4 Pipe 3+1 Rows Models

42CT1431S				
	Current	Power Consumption	Air Flow	ESP
	A	W	m^3/h	Pa
Low Speed	0,95	218,43	1480	0
	0,93	213,87	1399	10
	0,92	211,31	1356	15
	0,89	205,53	1263	25
	0,88	202,25	1213	30
	0,85	194,63	1103	40
Medium Speed	1,04	238,87	1913	0
	1,01	232,81	1818	10
	1,00	229,83	1770	15
	0,96	221,02	1627	30
	0,94	215,17	1532	40
	0,91	209,30	1437	50
High Speed	1,16	267,50	2291	0
	1,13	259,30	2170	10
	1,11	254,91	2108	15
	1,04	240,33	1910	30
	0,94	216,80	1615	50
	0,88	202,62	1449	60

42CT1430E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
8 Volt	1,90	255,37	2769	0
	1,84	246,52	2665	10
	1,80	241,95	2611	15
	1,70	227,45	2435	30
	1,53	205,13	2159	50
	1,43	191,72	1991	60
6 Volt	0,97	130,25	2221	0
	0,92	122,91	2061	10
	0,89	119,04	1974	15
	0,79	106,04	1678	30
	0,60	80,18	1103	50
	0,33	44,31	435	60
3,5 Volt	0,35	46,94	1479	0
	0,30	40,78	1217	10
	0,28	37,46	1058	15
2,5 Volt	0,20	27,41	1154	0
	0,17	22,27	780	10
	0,12	16,32	394	15

42CT1440E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
8 Volt	1,83	245,47	2653	0
	1,77	237,06	2552	10
	1,74	232,69	2499	15
	1,63	218,74	2328	30
	1,47	197,06	2058	50
	1,37	183,90	1894	60
6 Volt	0,94	125,43	2116	0
	0,88	118,60	1964	10
	0,86	114,97	1882	15
	0,77	102,68	1601	30
	0,58	78,01	1057	50
	0,32	43,29	419	60
3,5 Volt	0,34	45,42	1420	0
	0,30	39,84	1173	10
	0,27	36,76	1024	15
2,5 Volt	0,20	26,86	1115	0
	0,16	22,04	763	10
	0,12	16,65	412	15

42CT1431E2				
	Current	Power Consumption	Air Flow	ESP
	A	W	m3/h	Pa
8 Volt	1,81	243,08	2625	0
	1,75	234,65	2523	10
	1,72	230,27	2470	15
	1,61	216,23	2297	30
	1,45	194,31	2024	50
	1,35	180,91	1856	60
6 Volt	0,92	123,91	2083	0
	0,87	117,08	1929	10
	0,85	113,45	1847	15
	0,75	101,07	1564	30
	0,57	75,86	1012	50
	0,31	41,49	392	60
3,5 Volt	0,33	44,59	1385	0
	0,29	39,10	1138	10
	0,27	36,04	988	15
2,5 Volt	0,20	26,38	1081	0
	0,16	21,50	725	10
	0,12	15,43	346	15

7. OPERATING LIMITS

	Cooling mode	Heating mode
Water Circuit	Min. inlet temperature > 5°C	Max. inlet temperature < 90°C
	<50% ethylene / propylene glycol	< 50% ethylene / propylene glycol
	Water side pressure < 16 bar	Water side pressure < 16 bar
Ambient Temperature and Humidity	T < 30 °C / 60% relative humidity	T < 30 °C
Supply Air Temperature	T > 12 °C with maximum ambient humidity conditions (14.7 g/kg dry air)	T < 60 °C
AC Motor - Electrical Input	220/240V-1Ph-50Hz	220/240V-1Ph-50Hz
EC Motor - Electrical Input	220/240V-1Ph-50/60Hz	220/240V-1Ph-50/60Hz

GUIDE SPECIFICATION

1. General

1.1. System Description

The Carrier 42CT is a hydraulic ductable fan coil unit suitable for all kind of applications with horizontal installation and available in 2 and 4 pipe versions.

Unit should be factory assembled, horizontal type fan coil for suspended ceiling or/and ducted installations. Unit shall be complete with water coil, fan(s), motor(s), drain pan and all required electrical wiring.

1.2. Quality Assurance

The unit must be designed, manufactured and tested in a facility with an ISO 9001 certified quality assurance system, an ISO 14001 certified environmental management system and an ISO 45001 occupational health and safety management system.

The unit must be certified by Eurovent and the ongoing validity of the certificate can be checked in Eurovent website. The unit must comply with the requirements of European regulations and must bear the CE mark.

The unit must be tested in operation at the factory before shipment.

1.3. Performance

On variable conditions (external pressure, filter options, return plenum options etc.), unit performance should be calculated with Eurovent approved selection software and should be presented on the technical sheets with information of all conditions. On Eurovent standard conditions, models should provide heating capacity up to 15kW and cooling capacity up to 13,6kW.

The power sound levels of the units should be tested according to ISO 3741 requirements and sound power levels should be indicated on the selection sheets generated in the Eurovent approved selection software. Sound pressure levels which is changed according to the location of the unit in the room and the distance between, should be calculated with diffirent conditions in the selection software and they should be presented on the technical sheets.

1.4. Delivery, storage and handling

Each unit shall be individually packaged from point of manufacture. Unit shall be handled and stored in accordance with the manufacturer’s instructions.

2. Technical Details

2.1. Casing

Galvanised sheet steel casing with high efficiency insulation. The insulation used in the fan coil unit should comply with EN13501-1, Euroclass level B-s2-d0.

Condensing drain pan is cold roll steel with powder coating with angled surface. Drain connection diameter is 3/4'' threaded nippel and the insulation is 6 mm flexible elastomeric rubber foam with fire rating B-s2-d0 incompliance with EN13501-1.

2.2. Fan and Motor

Unit is equipped with wide diameter impeller with low speed forward multi-blade and strenghtened fan casing. Unit can contain one to four wheel fans depending in size.

Low energy consumption EC fan motors are permanent magnet brushless DC motors which has 220/240V-1Ph-50/60Hz power supply, class B motor insulation and IP20 level of protection.

3 speed asynchronous fan motors have permenant split capacitor with interval overload protection. Its power supply is 220-240V/1Ph/50 Hz. Motor insulation grade is class B, level of protection is IP20.

2.3. Coil

Units coil made of 7 mm copper pipes and wide seam blue hydrophilic coated aluminium fins that ensures the maximum capacity within the compact design.

Metal sheet, casing for the protection of header and coil connections. 3/4'' threaded female water inlet and outlet connections for all sizes. Operating pressure of 16 bar. Maximum hot water inlet temperature is 90 °C for both 2 and 4 pipe applications.

2.4. Filter

Factory installed washable nylon mesh filter with aluminium frame with standard rear air plenum. Filters can be removed on both rear or bottom side of the unit easily.

ISO Coarse %50 filter is optional.

2.5. Electrical Box

Factory fitted electrical box should be connected to a terminal strip with 3 standard speed for AC motor models and 2-10V proportional controlled speed for EC motor models. It should be easly mounted on both sides of the unit with its long wiring.

Order No: 10117, 08.2023 – Supersedes Order No: 10016, 08.2023

Manufactured by: Alarko-Carrier, Gebze, Turkey.