





# FCY - FCY-I

## Plug and play fan coil for duct installation

The perfect solution for any installation requirement Available in various versions and configurations Horizontal installation only



# (FCY - FCY-I) Simplicity. Customisation. Sustainability. For total comfort.

FCY is a series of **ducted single-unit fan coils** that is the ideal choice **for air conditioning** in small and medium sized rooms **in both residential and commercial applications**. Also available **with a Brushless motor** (FCY-I series), FCY was designed to be **installed recessed**, in the horizontal version only, in any type of **2 or 4 pipe system and** in combination with any **heat generator**.



Compact version (C)

Universal version (U)



Compact design with opposite suction and flow for an "H" configuration.

In this version, FCY and FCY-I are supplied without openings and flanges, which can be purchased separately. The structure on the flow and suction side is designed to accommodate Ø 200 mm (or Ø 160 mm) flanges. One of the suction flanges can be replaced by a Ø 125 or 100 mm flange for external air extraction. On the side, it can accommodate Ø 125 or 100 mm flanges for external flow air input. Structure for "U" configuration with suction and flow on the same and opposite side to that of the



hydraulic connections and electric box. FCY and FCY-I, in this universal version, are supplied with Ø 200 mm flow and suction flanges. The structure on the supply and suction side is designed to accommodate Ø 200 mm (or Ø 160 mm) flanges, and one of the suction or flow flanges can be replaced by a Ø 125 or 100 mm flange for external air input.

# Features and technology

# **Electric motor**

Centrifugal fans made of antistatic plastic material with wing-shaped profile studied to obtain high flow rate and static pressure performance and low noise emission at the same time. Due to their features, they make it possible to reduce the energy consumption with respect to normal fans.

They are statically and dynamically balanced as well as directly coupled to the motor shaft.

The electric motor is single-phase and multi-speed (3 selectable) for the FCY range; features continuously variable speed (0-100%), anti-vibration supports and a permanently connected condenser for the FCY-I series . The plastic augers can be removed for easy and effective cleaning.

# Condensate drip tray

In addition to the internal tray, all units are equipped with an external condensate drip tray that can be configured during installation. The kit consists of a single element, made up of two pieces: a tray with double drainage (to be installed on either the right or left side) and a drip tray to be installed when the valve kit is fitted and may not be used for installations without valves in small plant rooms.

## Heat exchange coil

With copper tubes and aluminium louvers, the standard or oversized main coil and any secondary coil have female hydraulic gas connections, and the manifolds are equipped with air vents. Reversibility of hydraulic connections during installation only for units with standard and increased main coils, or main coils with BV accessories. Not reversible in all other configurations.





# Inspection

The unit's electric box is reversible, and can also be mounted on the same side as the hydraulic connections. The standard equipment includes only a 10-pole terminal board as an interface for electrical connections, a set-up for mounting VMF range thermostats, and the supply of a DIN guide for the installation of a third party control.





(FCY - FCY-I)

# System examples Compact version (C)

Compact design with opposite suction and flow for an "H" configuration.



## Universal version (U)

Structure for "U" configuration with suction and flow on the same and opposite side to that of the hydraulic connections and electric box.



The following system examples are schematic diagrams. To properly operate the systems, all functional elements not supplied by AERMEC must be provided with all functional elements, in compliance with the state of the art.

# (FCY - FCY-I) Options and accessories. Fan coils for every solution.

### **OPTION P: WITH PHOTOCATALYTIC DEVICE**

FCY and FCY-I can also be configured with photocatalytic devices.

The device ensures maximum safety in environments requiring a high degree of hygiene. The device, through the light emitted by the lamp, generates the phenomenon of photocatalysis, creating and releasing highly reactive and oxidising species ( $H_2O_2$  and OH-) that attack pollutants (germs, bacteria and viruses), degrading and eliminating them.

The result is a sanitising effect not only against viruses but also other dangerous enemies of our health such as VOCs (volatile organic compounds) and bacteria in the air.

### TITANIUM DIOXIDE CATALYST

Titanium dioxide (TiO2) has high thermal and chemical stability, is nontoxic to human health, biocompatible and very sensitive to UV light. The honeycomb catalyst allows the surface area of the photocatalysis reaction to be increased, thus maximising and guaranteeing the efficiency of the system. The interaction of the catalyst with UV light (photocatalysis) creates and releases highly reactive and oxidising species ( $H_2O_2$  and OH-), which attack pollutants, degrading and eliminating them. The result is a powerful biocidal action with decomposition of VOCs (Volatile Organic Compounds) and release of harmless substances such as  $CO_2$  and  $H_2O_2$ .

> FILTER The filter retains dust, ash and "natural allergens" such as

pollen, spores, etc.

#### UV EMITTER

The light emitted by the emitter is able to generate the photocatalysis phenomenon by interacting with the titanium dioxide (TiO<sub>2</sub>) catalyst. Power consumption is 5.4W. Thanks to the germicidal action of the air purification device, FCY and FCY-I are particularly suitable for installation in environments with special hygiene requirements, such as: hospitals, clinics and healthcare facilities, private medical and dental practices, veterinary practices and analysis laboratories. It also lends itself to installation in more commonly used environments such as offices, beauty salons, homes of people

with allergies or immune

deficiencies, etc.



### **OPTION H: WITH ELECTRIC RESISTOR**

FCY and FCY-I can be equipped with a 500W electric resistor that can be installed on the units. During operation, it heats the air drawn in from the room and makes it even more comfortable to stay in.



(FCY - FCY-I)

FCY and FCY-I fan coils can be customised with a range of accessories to meet any specific installation and application requirements.



**GM - GMYC** GMYC flange. Allows the GM frame to be installed with laterally adjustable (left-right) louvers.



BRY Flange with hydraulic "spigot" connection.\*

#### AER503IR

Recessed thermostat with backlit display compatible with fan coils with both asynchronous and brushless motors. In 2-pipe systems it can control standard fan coils or those equipped with electrical resistors, with purification devices (Cold Plasma and germicidal lamp). In addition, it can control systems with radiant panels or mixed fan coil and radiant floor systems.



ТΧ

Control panel for wall installation. Allows you to control, in 2-pipe systems, standard fan coils or those equipped with electrical resistance.

\*For a correct selection of BRY accessories, please refer to our Magellan selection programme.



For further information about compatibility and models, please refer to the selection program or the technical documentation on www.aermec.com

### PERFORMANCE DATA - FCY\_C AND FCY\_U (H-NOZZLE CONFIGURATION) 2 PIPES

2 pipes																			
			FCY2000		FCY250C				FCY300	(		FCY350	0		FCY400	[		FCY4500	-
		2	4	6	2	4	6	1	4	6	1	4	6	1	3	6	1	3	6
		L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н
Performance in heating mode 70 °C / 60 °C (1)																			
Heating capacity	kW	2.11	3.00	3.32	2.29	3.24	3.60	3.50	5.03	5.45	3.80	5.59	6.10	4.49	6.02	6.74	4.79	6.62	7.40
Utility water flow rate	l/h	182	258	285	197	179	310	301	433	469	327	481	524	386	517	580	412	569	637
Utility side pressure drop	kPa	7	12	15	9	16	19	8	15	18	9	18	21	11	18	22	7	12	15
Performance in heating mode 45 °C / 40 °C (2)					1												1		
Heating capacity	kW	1.05	1.49	1.65	1.14	1.61	1.79	1.74	2.50	2.71	1.89	2.78	3.03	2.23	2.99	3.35	2.38	3.29	3.68
Utility water flow rate	l/h	160	224	248	196	277	308	299	430	466	325	478	521	383	514	576	409	566	633
Utility side pressure drop	kPa	7	12	15	9	16	19	8	15	18	9	17	20	11	18	22	7	12	15
Performance in cooling mode 7 °C / 12 °C (3)																			
Cooling capacity	kW	0.93	1.30	1.44	1.11	1.59	1./4	1./0	2.40	2.63	1.91	2.//	3.00	2.29	3.06	3.41	2.51	3.37	3.79
Sensitive cooling capacity	kW	0.74	1.14	1.18	0.83	1.23	1.36	1.27	1.86	2.03	1.34	1.99	2.16	1.66	2.24	2.52	1.76	2.42	2.73
Utility water flow rate	l/h	160	224	248	191	273	299	292	413	452	328	476	516	394	526	586	432	580	652
Utility side pressure drop	kPa	8	13	15	10	18	21	9	16	18	11	21	25	11	18	22	11	16	20
Fan										(= -									
lype	type						Cer	ntrifugal	Asynchro	nous (FC	Y) / Cent	rifugal In	verter (F	CYI)					
Air flow rate	m³/h	148	226	254	148	226	254	263	404	446	263	404	446	346	487	559	346	487	559
High static pressure	Pa	21	50	63	21	50	63	21	50	61	21	50	61	25	50	66	25	50	66
Sound power level (inlet + radiated)	dB(A)	41.0	56.0	59.0	41.0	56.0	59.0	39.0	51.0	54.0	39.0	51.0	54.0	44.0	54.0	55.0	44.0	54.0	55.0
Sound power level (outlet)	dB(A)	37.0	52.0	55.0	37.0	52.0	55.0	35.0	47.0	49.0	35.0	47.0	49.0	40.0	50.0	52.0	40.0	50.0	52.0
Input power	W	28	41	74	28	41	74	38	55	78	38	55	78	53	63	102	53	63	102
Water coil																			
Water content			0.50			0.70			0.80			1.00			1.00			1.40	
Fittings diameter	~		4 /0 //			4 /0//			2/1/			2/1/			2/1/			2/4/	
Main coil	Ø		1/2″			1/2″			3/4″			3/4″			3/4″			3/4″	
Power supply																			
Voworcupply										2301/	/////-								
										2301	~30HZ								
			FCY500C			FCY5500	(		FCY600	2307	~30HZ	FCY650	(		FCY700	[		FCY7500	
		1	<b>FCY500C</b> 5	6	1	FCY5500	<b>C</b> 6	1	<b>FCY600</b>	230V	~50HZ	<b>FCY650</b>	<b>C</b> 7	2	<b>FCY700</b>	7	2	<b>FCY750C</b> 5	7
		1 L	FCY500C 5 M	6 H	1 L	FCY5500 5 M	с 6 Н	1 L	<b>FCY600</b> 4 M	7 H		<b>FCY650</b> 4 M	с 7 Н	2 L	<b>FCY700</b> 5 M	с 7 Н	2 L	FCY7500 5 M	7 H
Performance in heating mode 70 °C / 60 °C (1)		1 L	FCY500C 5 M	6 H	1 L	FCY5500	6 H	1 L	<b>FCY600</b> 4 M	230V	- 20HZ	<b>FCY650</b> 4 M	С 7 Н	2 L	<b>FCY7000</b> 5 M	7 H	2 L	FCY750C 5 M	7 H
Performance in heating mode 70 °C / 60 °C (1) Heating capacity	kW	1 L 5.27	FCY500C 5 M 7.22	6 H 7.59	1 L 5.81	FCY5500 5 M 8.25	6 H 8.67	1 L 6.86	FCY600 4 M 8.55	2300 7 H 10.00	1 L 7.63	<b>FCY650</b> 4 M 9.72	с 7 Н 11.51	2 L 8.77	FCY7000 5 M 10.10	7 H 10.52	2 L 10.02	FCY750C 5 M 11.65	7 H 12.09
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate	kW I/h	1 L 5.27 453	FCY5000 5 M 7.22 621	6 H 7.59 652	1 L 5.81 500	FCY5500 5 M 8.25 709	6 H 8.67 746	1 L 6.86 590	FCY6000 4 M 8.55 735	2300 7 H 10.00 860	1 L 7.63 656	FCY6500 4 M 9.72 836	7 H 11.51 990	2 L 8.77 754	FCY7000 5 M 10.10 868	7 H 10.52 905	2 L 10.02 862	FCY750C 5 M 11.65 1002	7 H 12.09 1040
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop	kW I/h kPa	1 L 5.27 453 12	FCY500C 5 M 7.22 621 21	6 H 7.59 652 23	1 L 5.81 500 10	FCY5500 5 M 8.25 709 19	6 H 8.67 746 21	1 L 6.86 590 13	FCY6000 4 M 8.55 735 20	2307 7 H 10.00 860 26	1 L 7.63 656 15	FCY6500 4 M 9.72 836 23	7 H 11.51 990 31	2 L 8.77 754 19	FCY7000 5 M 10.10 868 25	7 H 10.52 905 27	2 L 10.02 862 12	FCY7500 5 M 11.65 1002 15	7 H 12.09 1040 16
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2)	kW I/h kPa	1 L 5.27 453 12	FCY5000 5 M 7.22 621 21	6 H 7.59 652 23	1 L 5.81 500 10	FCY5500 5 M 8.25 709 19	6 H 8.67 746 21	1 L 6.86 590 13	FCY6000 4 M 8.55 735 20	2307 7 H 10.00 860 26	1 L 7.63 656 15	FCY6500 4 M 9.72 836 23	C 7 H 11.51 990 31	2 L 8.77 754 19	FCY7000 5 M 10.10 868 25	7 H 10.52 905 27	2 L 10.02 862 12	FCY7500 5 M 11.65 1002 15	7 H 12.09 1040 16
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity	kW I/h kPa kW	1 L 5.27 453 12 2.62	FCY500C 5 M 7.22 621 21 3.59	6 H 7.59 652 23 3.77	1 L 5.81 500 10 2.89	FCY5500 5 M 8.25 709 19 4.10	6 H 8.67 746 21 4.31	1 L 6.86 590 13 3.41	FCY6000 4 M 8.55 735 20 4.25	2307 7 H 10.00 860 26 4.97	1 L 7.63 656 15 3.79	FCY6500 4 M 9.72 836 23 4.83	C 7 H 11.51 990 31 5.72	2 L 8.77 754 19 4.36	FCY7000 5 M 10.10 868 25 5.02	7 H 10.52 905 27 5.23	2 L 10.02 862 12 4.98	FCY750C 5 M 11.65 1002 15 5.79	7 H 12.09 1040 16 6.01
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate	kW I/h kPa kW I/h	1 L 5.27 453 12 2.62 451	FCY500C 5 M 7.22 621 21 3.59 617	6 H 7.59 652 23 3.77 648	1 L 5.81 500 10 2.89 497	FCY5500 5 M 8.25 709 19 4.10 705	6 H 8.67 746 21 4.31 741	1 L 6.86 590 13 3.41 586	FCY6000 4 M 8.55 735 20 4.25 731	2307 7 H 10.00 860 26 4.97 855	1 L 7.63 656 15 3.79 652	FCY6500 4 M 9.72 836 23 4.83 831	C 7 H 11.51 990 31 5.72 984	2 L 8.77 754 19 4.36 750	FCY7000 5 M 10.10 868 25 5.02 863 25	7 H 10.52 905 27 5.23 899	2 L 10.02 862 12 4.98 856	FCY7500 5 M 11.65 1002 15 5.79 996	7 H 12.09 1040 16 6.01 1034
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Deformance in a kine water 2006 (2006)	kW I/h kPa kW I/h kPa	1 L 5.27 453 12 2.62 451 12	FCY500C 5 M 7.22 621 21 3.59 617 21	6 H 7.59 652 23 3.77 648 23	1 L 5.81 500 10 2.89 497 10	FCY5500 5 M 8.25 709 19 4.10 705 19	6 H 8.67 746 21 4.31 741 21	1 L 6.86 590 13 3.41 586 13	FCY6000 4 M 8.55 735 20 4.25 731 19	2307 7 H 10.00 860 26 4.97 855 25	1 L 7.63 656 15 3.79 652 15	FCY6500 4 M 9.72 836 23 4.83 831 23	C 7 H 11.51 990 31 5.72 984 31	2 L 8.77 754 19 4.36 750 19	FCY7000 5 M 10.10 868 25 5.02 863 25	C 7 H 10.52 905 27 5.23 899 27	2 L 10.02 862 12 4.98 856 12	FCY7500 5 M 11.65 1002 15 5.79 996 15	7 H 12.09 1040 16 6.01 1034 16
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3)	kW I/h kPa kW I/h kPa	1 L 5.27 453 12 2.62 451 12	FCY500C 5 M 7.22 621 21 3.59 617 21	6 H 7.59 652 23 3.77 648 23	1 L 5.81 500 10 2.89 497 10	FCY5500 5 M 8.25 709 19 4.10 705 19	6 H 8.67 746 21 4.31 741 21	1 L 6.86 590 13 3.41 586 13	FCY6000 4 M 8.55 735 20 4.25 731 19	2307 7 H 10.00 860 26 4.97 855 25	1 L 7.63 656 15 3.79 652 15	FCY6500 4 M 9.72 836 23 4.83 831 23	C 7 H 11.51 990 31 5.72 984 31	2 L 8.77 754 19 4.36 750 19	FCY7000 5 M 10.10 868 25 5.02 863 25	C 7 H 10.52 905 27 5.23 899 27	2 L 10.02 862 12 4.98 856 12	FCY7500 5 M 11.65 1002 15 5.79 996 15	7 H 12.09 1040 16 6.01 1034 16
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity	kW I/h kPa kW I/h kPa kW	1 L 5.27 453 12 2.62 451 12 2.68	FCY500C 5 M 7.22 621 21 3.59 617 21 3.65	6 H 7.59 652 23 3.77 648 23 3.82 3.82	1 L 5.81 500 10 2.89 497 10 2.91 2.91	FCY5500 5 M 8.25 709 19 4.10 705 19 4.08	6 H 8.67 746 21 4.31 741 21 4.28	1 L 6.86 590 13 3.41 586 13 3.37	FCY6000 4 M 8.55 735 20 4.25 731 19 4.08 2.24	2307 7 H 10.00 860 26 4.97 855 25 25 4.65	1 L 7.63 656 15 3.79 652 15 4.15	FCY6500 4 M 9.72 836 23 4.83 831 23 5.02	C 7 H 11.51 990 31 5.72 984 31 5.67	2 L 8.77 754 19 4.36 750 19	FCY7000 5 M 10.10 868 25 5.02 863 25 4.97	7 H 10.52 905 27 5.23 899 27 27 5.18	2 L 10.02 862 12 4.98 856 12 4.69	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53	7 H 12.09 1040 16 6.01 1034 16 5.80
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity	kW I/h kPa kW I/h kPa kW kW	1 L 5.27 453 12 2.62 451 12 2.68 1.94	FCY500C 5 M 7.22 621 21 3.59 617 21 3.65 2.70	6 H 7.59 652 23 3.77 648 23 3.82 2.83	1 L 5.81 500 10 2.89 497 10 2.91 2.07	FCY5500 5 M 8.25 709 19 4.10 705 19 4.08 2.94	6 H 8.67 746 21 4.31 741 21 4.28 3.09	1 L 6.86 590 13 3.41 586 13 3.37 2.70	FCY6000 4 M 8.55 735 20 4.25 731 19 4.08 3.34 702	2307 7 H 10.00 860 26 4.97 855 25 4.65 3.92	1 L 7.63 656 15 3.79 652 15 4.15 2.93 714	FCY6500 4 M 9.72 836 23 4.83 831 23 5.02 3.60	C 7 H 11.51 990 31 5.72 984 31 5.67 4.12	2 L 8.77 754 19 4.36 750 19 4.24 3.24	FCY7000 5 M 10.10 868 25 5.02 863 25 4.97 3.83	7 H 10.52 905 27 5.23 899 27 5.18 4.02	2 L 10.02 862 12 4.98 856 12 4.69 3.53	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53 4.20	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate	kW I/h kPa kW I/h kPa kW kW I/h	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461	FCY500C 5 M 7.22 621 21 3.59 617 21 3.65 2.70 628 2.70	6 H 7.59 652 23 3.77 648 23 3.82 2.83 657 24	1 L 5.81 500 10 2.89 497 10 2.91 2.07 500	FCY5500 5 M 8.25 709 19 4.10 705 19 4.08 2.94 702	6 H 8.67 746 21 4.31 741 21 4.28 3.09 736	1 L 6.86 590 13 3.41 586 13 3.37 2.70 580	FCY6000 4 M 8.55 735 20 4.25 731 19 4.08 3.34 702 21	2307 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26	1 L 7.63 656 15 3.79 652 15 4.15 2.93 714	FCY6500 4 M 9.72 836 23 4.83 831 23 5.02 3.60 863 23	C 7 H 11.51 990 31 5.72 984 31 5.67 4.12 975 29	2 L 8.77 754 19 4.36 750 19 4.24 3.24 729 20	FCY7000 5 M 10.10 868 25 5.02 863 25 4.97 3.83 855	C 7 H 10.52 905 27 5.23 899 27 5.18 4.02 891	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53 4.20 951	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41 997
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate Utility side pressure drop	kW I/h kPa kW I/h kPa kW kW I/h kPa	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461 13	FCY500C 5 M 7.22 621 21 3.59 617 21 3.65 2.70 628 22	6       H       7.59       652       23       3.77       648       23       3.82       2.83       657       24	1 L 5.81 500 10 2.89 497 10 2.91 2.07 500 12	FCY5500 5 M 8.25 709 19 4.10 705 19 4.08 2.94 702 21	6 H 8.67 746 21 4.31 741 21 4.28 3.09 736 23	1 L 6.86 590 13 3.41 586 13 3.37 2.70 580 15	FCY6000 4 M 8.55 735 20 4.25 731 19 4.08 3.34 702 21	2307 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26	1       L       7.63       656       15       3.79       652       15       4.15       2.93       714       16	FCY6500 4 M 9.72 836 23 4.83 831 23 5.02 3.60 863 23	C 7 H 11.51 990 31 5.72 984 31 5.67 4.12 975 28	2 L 8.77 754 19 4.36 750 19 4.24 3.24 729 20	FCY7000 5 M 10.10 868 25 5.02 863 25 863 25 4.97 3.83 855 26	7 H 905 27 5.23 899 27 5.18 4.02 891 28	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807 12	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53 4.20 951 16	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41 997 17
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate Utility side pressure drop Fan	kW I/h kPa kW I/h kPa kW kW I/h kPa	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461 13	FCY500C 5 M 7.22 621 21 3.59 617 21 3.65 2.70 628 22	6 H 7.59 652 23 3.77 648 23 3.82 2.83 657 24	1 L 5.81 500 10 2.89 497 10 2.91 2.07 500 12	FCY5500 5 M 8.25 709 19 4.10 705 19 4.08 2.94 2.94 702 21	6 H 8.67 746 21 4.31 741 21 4.28 3.09 736 23	1 L 6.86 590 13 3.41 586 13 3.37 2.70 580 15	FCY6000 4 M 8.55 735 20 4.25 731 19 4.08 3.34 702 21 4.09 4.00	2.50V 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26 20 26	1     L       7.63     656       15     3.79       652     15       4.15     2.93       714     16	FCY6500 4 M 9.72 836 23 4.83 831 23 5.02 3.60 863 23 ei6/wall/8	C 7 H 11.51 990 31 5.72 984 31 5.67 4.12 975 28	2 L 8.77 754 19 4.36 750 19 4.24 3.24 729 20	FCY7000 5 M 10.10 868 25 5.02 863 25 4.97 3.83 855 26	10.52 905 27 5.23 899 27 5.18 4.02 891 28	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807 12	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53 4.20 951 16	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41 997 17
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate Utility side pressure drop Fan Type	kW I/h kPa kW I/h kPa kW kW I/h kPa type	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461 13 400	FCY5000 5 M 7.22 621 21 3.59 617 21 3.65 2.70 628 22	6 H 7.59 652 23 3.77 648 23 3.82 2.83 657 24	1 L 5.81 500 10 2.89 497 10 2.91 2.07 500 12	FCY5500 5 M 8.25 709 19 4.10 705 19 4.08 2.94 702 2.1	6 H 8.67 746 21 4.31 741 21 4.28 3.09 736 23 Cerr	1 L 6.86 590 13 3.41 586 13 3.37 2.70 580 15 trifugal	FCY600 4 M 8.55 735 20 4.25 731 19 4.08 3.34 702 21 Asynchroo	2307 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26 nous (FC	1 L 7.63 656 15 3.79 652 15 4.15 2.93 714 16 Y) / Cent	FCY6500 4 M 9.72 836 23 4.83 831 23 5.02 3.60 863 23 rifugal In	c 7 H 11.51 990 31 5.72 984 31 5.67 4.12 975 28 verter (F	2 L 8.77 754 19 4.36 750 19 4.24 3.24 729 20	FCY7000 5 M 10.10 868 25 5.02 863 25 4.97 3.83 855 26	2 7 H 10.52 905 27 5.23 899 27 5.18 4.02 891 28	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807 12	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53 4.20 951 16	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41 997 17
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate Utility side pressure drop Fan Type Air flow rate	kW I/h kPa kW I/h kPa kW kW I/h kPa type m <sup>3</sup> /h	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461 13 	FCY500C 5 M 7.22 621 21 3.59 617 21 3.65 2.70 628 22 22	6 H 7.59 652 23 3.77 648 23 3.82 2.83 657 24	1 L 5.81 500 10 2.89 497 10 2.91 2.07 500 12 400 2.2	FCY5500 5 M 8.25 709 19 4.10 705 19 4.08 2.94 702 21	6 H 8.67 746 21 4.31 741 21 4.28 3.09 736 23 Cer 627	1 L 6.86 590 13 3.41 586 13 3.37 2.70 580 15 trifugal 567 2.72	FCY600 4 M 8.55 735 20 4.25 731 19 4.08 3.34 702 21 Asynchro 770 50 50 50 50 50 50 50 50 50 5	2507 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26 nous (FC 920	1 L 7.63 656 15 3.79 652 15 4.15 2.93 714 16 Y) / Cent 567	FCY6500 4 M 9.72 836 23 4.83 831 23 5.02 3.60 863 23 rifugal In 770 50	c 7 H 990 31 5.72 984 31 5.67 4.12 975 28 verter (F 920	2 L 8.777 754 19 4.36 750 19 4.24 3.24 729 20 C(YI) 785 22	FCY7000 5 M 10.10 868 25 5.02 863 25 4.97 3.83 855 26 	2 7 H 10.52 905 27 5.23 899 27 5.18 4.02 891 28 891 28	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807 12	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53 4.20 951 16 16	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41 997 17 1050
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate Utility side pressure drop Fan Type Air flow rate High static pressure	kW I/h kPa kW I/h kPa kW kW I/h kPa type m <sup>3</sup> /h Pa	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461 13 400 22 24 5.27 453 12 12 12 12 12 12 12 12 12 12	FCY500C 5 M 7.22 621 21 3.59 617 21 3.65 2.70 628 22 2.70 628 22 592 592	6 H 7.59 652 23 3.77 648 23 3.82 2.83 657 24 627 56 22	1 L 5.81 500 10 2.89 497 10 2.91 2.07 500 12 400 22 400	FCY5500 5 M 8.25 709 19 4.10 705 19 4.08 2.94 702 21 21	6 H 8.67 746 21 4.31 741 21 4.28 3.09 736 23 Cer 627 56	1 L 6.86 590 13 3.41 586 13 3.37 2.70 580 15 ttrifugal 567 27 46 6	FCY600 4 M 8.55 735 20 4.25 731 19 4.08 3.34 702 21 Asynchroo 770 50 56 6	2507 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26 7 1 nous (FC 920 71	1 L 7.63 656 15 3.79 652 15 4.15 2.93 714 16 Y) / Cent 567 27 4.62	FCY6500 4 M 9.72 836 23 4.83 831 23 5.02 3.60 863 23 trifugal In 770 50 56 6	c 7 H 11.51 990 31 5.72 984 31 5.67 4.12 975 28 verter (F 920 71	2 L 8.777 754 19 4.36 750 19 4.24 3.24 729 20 (YI) 785 32 20	FCY7000 5 M 10.10 868 25 5.02 863 25 4.97 3.83 855 26 978 50 0	2 7 H 10.52 905 27 5.23 899 27 5.18 4.02 891 28 891 28 1050 58	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807 12 785 32	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53 4.20 951 16 951 16	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41 997 17 1050 58
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate Utility water flow rate Utility side pressure drop Fan Type Air flow rate High static pressure Sound power level (inlet + radiated) Senadoewa low (acutet)	kW I/h kPa kW I/h kPa kW kW I/h kPa type m <sup>3</sup> /h Pa dB(A)	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461 13 400 22 45.0	FCY500C 5 M 7.22 621 21 3.59 617 21 3.65 2.70 628 22 2.70 628 22 50 55.0	7.59 652 23 3.77 648 23 3.82 2.83 657 24 627 56 627 55,0	1 L 5.81 500 10 2.89 497 10 2.91 2.07 500 12 400 22 400 22 45.0	FCY5500 5 M 8.25 709 19 4.10 705 19 4.08 2.94 702 21 21 50 55.0 55.0	2 6 H 8.67 746 21 4.31 741 21 4.28 3.09 736 23 Cer 627 56 57.0	1 L 6.86 590 13 3.41 586 13 3.37 2.70 580 15 ttrifugal 567 27 46.0	FCY600 4 M 8.55 735 20 4.25 731 19 4.08 3.34 702 21 Asynchroo 770 50 56.0	2507 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26 10005 (FC 920 71 61.0	1 L 7.63 656 15 3.79 652 15 4.15 2.93 714 16 Y) / Cent 567 27 46.0	FCY6500 4 M 9.72 836 23 4.83 831 23 5.02 3.60 863 23 trifugal In 770 50 56.0	c 7 H 11.51 990 31 5.72 984 31 5.67 4.12 975 28 verter (F 920 71 61.0	2 L 8.777 754 19 4.36 750 19 4.24 3.24 729 20 (YI) 785 32 54.0 54.0	FCY7000 5 M 10.10 868 25 5.02 863 25 4.97 3.83 855 26 978 50 60.0	2 7 H 10.52 905 27 5.23 899 27 5.18 4.02 891 28 891 28 1050 58 62.0	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807 12 785 32 785 32 54.0	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53 4.20 951 16 978 50 60.0	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41 997 17 1050 58 62.0
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate Utility side pressure drop Fan Type Air flow rate High static pressure Sound power level (nilet + radiated) Sound power level (outlet)	kW I/h kPa kW I/h kPa kW kW I/h kPa type m <sup>3</sup> /h Pa dB(A) dB(A)	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461 13 400 22 45.0 41.0 42	FCY500C 5 M 7.22 621 21 3.59 617 21 3.65 2.70 628 2.70 628 2.20 55.0 55.0 55.0 55.0	7.59 652 23 3.77 648 23 3.82 2.83 657 24 627 56 57.0 53.0	1 L 5.81 500 10 2.89 497 10 2.91 2.07 500 12 400 22 45.0 41.0	FCY5500 5 M 8.25 709 19 4.10 705 19 4.08 2.94 702 21 21 50 552 50 55.0 55.0	2 6 H 8.67 746 21 4.31 741 21 4.28 3.09 736 23 Cer 627 56 07 53.0	1 L 6.86 590 13 3.41 586 13 3.37 2.70 580 15 trifugal 567 27 46.0 44.0	FCY600 4 M 8.55 735 20 4.25 731 19 4.08 3.34 702 21 4.08 3.34 702 21 Asynchro 770 50 56.0 54.0 80	2507 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26 71 61.0 60.0	1 L 7.63 656 15 3.79 652 15 4.15 2.93 714 16 Y) / Cent 567 27 46.0 44.0 66	FCY6500 4 M 9.72 836 23 4.83 831 23 5.02 3.60 863 23 rifugal In 770 50 56.0 56.0 56.0 56.0 90 56.0	c 7 H 990 31 5.72 984 31 5.67 4.12 975 28 verter (F 920 71 61.0 60.0	2 L 8.777 754 19 4.36 750 19 4.24 3.24 729 20 (YI) 785 32 54.0 52.0 22	FCY7000 5 M 10.10 868 25 5.02 863 25 4.97 3.83 855 26 978 50 60.0 59.0	2 7 H 10.52 905 27 5.23 899 27 5.18 4.02 891 28 891 28 1050 58 62.0 61.0	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807 12 785 32 54.0 52.0 22	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53 4.20 951 16 978 50 60.0 59.0 13	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41 997 17 1050 58 62.0 61.0
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate Utility side pressure drop Fan Type Air flow rate High static pressure Sound power level (inlet + radiated) Sound power level (outlet) Input power	kW I/h kPa kW I/h kPa kW kW I/h kPa type m <sup>3</sup> /h Pa dB(A) dB(A) W	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461 13 400 22 45.0 41.0 49	FCY500C 5 M 7.22 621 21 3.59 617 21 3.65 2.70 628 2.70 628 2.20 55.0 55.0 55.0 51.0 80	7.59 652 23 3.77 648 23 3.82 2.83 657 24 627 56 57.0 53.0 96	1 L 5.81 500 10 2.89 497 10 2.91 2.07 500 12 400 22 45.0 41.0 49	FCY3500 5 M 8.25 709 19 4.00 705 19 4.08 2.94 702 21 4.08 2.94 702 21 550 550 55.0 55.0 51.0 80	6     H       8.67     746       21     4.31       4.31     741       21     4.33       4.28     3.09       736     23       Cer     56       57.0     53.0       96     96	1 L 6.86 590 13 3.41 586 13 3.37 2.70 580 15 trifugal 567 27 46.0 44.0 66	FCY600       4       M       8.55       735       20       4.25       731       19       4.08       3.34       702       21       Asynchroo       770       50       56.0       54.0       89	2507 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26 71 61.0 60.0 118	1     L       7.63     656       15     3.79       652     15       4.15     2.93       714     16       Y) / Cent     567       2.7     46.0       44.0     66	FCY6500 4 M 9,72 836 23 4.83 831 23 5.02 3.60 863 23 rifugal In 770 50 56.0 56.0 54.0 89	c 7 H 11.51 990 31 5.72 984 31 5.67 4.12 975 28 verter (F 920 71 61.0 60.0 118	2 L 8.777 754 19 4.36 750 19 4.24 3.24 729 20 (YI) 785 32 54.0 52.0 92	FCY7000 5 M 10.10 868 25 5.02 863 25 4.97 3.83 855 26 4.97 3.83 855 26 978 50 60.0 59.0 117	2 7 H 10.52 905 27 5.23 899 27 5.18 4.02 891 28 891 28 1050 58 62.0 61.0 138	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807 12 785 32 54.0 52.0 92	FCY7500 5 M 11.65 1002 5.79 996 15 5.53 4.20 951 16 5.53 4.20 951 16 978 50 60.0 59.0 117	7 H 12.09 1040 6.01 1034 16 5.80 4.41 997 17 17 1050 58 62.0 61.0 138
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate Utility side pressure drop Fan Type Air flow rate High static pressure Sound power level (inlet + radiated) Sound power level (outlet) Input power Water coil	kW I/h kPa kW I/h kPa kW kW I/h kPa type m <sup>3</sup> /h Pa dB(A) dB(A) W	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461 13 400 22 45.0 41.0 49	FCY500C 5 M 7.22 621 21 3.59 617 21 3.65 2.70 628 2.70 628 2.20 55.0 55.0 55.0 51.0 80	7.59 652 23 3.77 648 23 3.82 2.83 657 24 627 56 57.0 53.0 96	1 L 5.81 500 10 2.89 497 10 2.91 2.07 500 12 400 22 45.0 41.0 49	FCY5500 5 M 8.25 709 19 4.00 705 19 4.08 2.94 702 21 4.08 2.94 702 21 55.0 55.0 55.0 55.0 80	6       H       8.67       746       21       4.31       741       21       4.28       3.09       736       23       Cer       627       56       57.0       53.0       96	1 L 6.86 590 13 3.41 586 13 3.37 2.70 580 15 trifugal 567 27 46.0 44.0 66	FCY600 4 M 8.55 20 4.25 735 20 4.25 731 19 4.08 3.34 702 21 4.08 3.34 702 21 Asynchroo 770 50 56.0 54.0 89 1.20	2507 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26 920 71 61.0 60.0 118	1     L       7.63     656       15     3.79       652     15       4.15     2.93       714     16       Y) / Cent     567       2.7     46.0       44.0     66	FCY6500 4 M 9,72 836 23 4.83 831 23 5.02 3.60 863 23 rifugal In 770 50 56.0 54.0 89	c 7 H 11.51 990 31 5.72 984 31 5.67 4.12 975 28 verter (F 920 71 61.0 60.0 118	2 L 8.777 754 19 4.36 750 19 4.24 3.24 729 20 (YI) 785 32 54.0 52.0 92	FCY700 5 M 10.10 868 25 5.02 863 25 4.97 3.83 855 26 978 50 60.0 59.0 117	2 7 H 10.52 905 27 5.23 899 27 5.18 4.02 891 28 891 28 1050 58 62.0 61.0 138	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807 12 785 32 54.0 52.0 92	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53 4.20 951 16 5.53 4.20 951 16 978 50 60.0 59.0 117	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41 997 17 17 1050 58 62.0 61.0 138
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate Utility side pressure drop Fan Type Air flow rate High static pressure Sound power level (inlet + radiated) Sound power level (utlet) Input power Water content	kW I/h kPa kW I/h kPa kW kW I/h kPa type m <sup>3</sup> /h Pa dB(A) dB(A) W	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461 13 400 22 45.0 41.0 49	FCY500C 5 M 7.22 621 21 3.59 617 21 3.65 2.70 628 2.70 628 2.20 55.0 55.0 55.0 55.0 51.0 80 80	6 H 7.59 652 23 3.77 648 23 3.82 2.83 657 24 627 56 57.0 53.0 96	1 L 5.81 500 10 2.89 497 10 2.91 2.07 500 12 400 22 45.0 41.0 49	FCY550( 5 M 8.25 709 19 4.10 705 19 4.08 2.94 702 21 4.08 2.94 702 21 50 55.0 55.0 55.0 51.0 80 1.40	C 6 H 8.67 746 21 4.31 741 21 4.28 3.09 736 23 736 23 Cer 627 56 57.0 53.0 96	1 L 6.86 590 13 3.41 586 13 3.37 2.70 580 15 trifugal 567 27 46.0 44.0 66	FCY600 4 M 8.55 20 4.25 735 20 4.25 731 19 4.08 3.34 702 21 4.08 3.34 702 21 50 56.0 56.0 54.0 89 1.20	2007 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26 920 71 61.0 60.0 118	1     L       7.63     656       15     3.79       652     15       4.15     2.93       714     16       Y) / Cent     567       2.7     46.0       44.0     66	FCY6500 4 M 9,72 836 23 4.83 831 23 5.02 3.60 863 23 rifugal In 770 50 56.0 56.0 54.0 89 1.60	C 7 H 11.51 990 31 5.72 984 31 5.67 4.12 975 28 verter (F 920 71 61.0 60.0 118	2 L 8.77 754 19 4.36 750 19 4.24 3.24 729 20 (YII) 785 32 54.0 52.0 92	FCY700 5 M 10.10 868 25 5.02 863 25 4.97 3.83 855 26 978 50 60.0 59.0 117 1.20	2 7 H 10.52 905 27 5.23 899 27 5.18 4.02 891 28 891 28 891 28 5.18 62.0 61.0 138	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807 12 785 32 54.0 52.0 92	FCY7500 5 M 11.65 1002 5.79 996 15 5.53 4.20 951 16 5.53 4.20 951 16 5.53 60.0 59.0 117 1.60	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41 997 17 17 1050 58 62.0 61.0 138
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate Utility side pressure drop Fan Type Air flow rate High static pressure Sound power level (inlet + radiated) Sound power level (utlet) Input power Water coil Water content Fittings diameter	kW I/h kPa kW I/h kPa kW kW I/h kPa type m <sup>3</sup> /h Pa dB(A) dB(A) W I	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461 13 400 22 45.0 41.0 49	FCY500C 5 M 21 21 3.59 617 21 3.65 2.70 628 22 50 55.0 55.0 55.0 51.0 80 1.00	6 H 7.59 652 23 3.77 648 23 3.82 2.83 657 24 627 56 57.0 53.0 96	1 L 5.81 500 10 2.89 497 10 2.91 2.07 500 12 400 22 45.0 41.0 49	FCY550( 5 M 8.25 709 19 4.10 705 19 4.08 2.94 702 21 4.08 2.94 702 21 550 55.0 55.0 55.0 80 1.40	C 6 H 8.67 746 21 4.31 741 21 4.28 3.09 736 23 736 23 Cer 627 56 57.0 53.0 96	1 L 6.86 590 13 3.41 586 13 3.37 2.70 580 15 trifugal 567 27 46.0 44.0 66	FCY600 4 M 8.55 20 4.25 735 20 4.25 731 19 4.08 3.34 702 21 4.08 3.34 702 21 4.08 5.0 5.0 5.0 5.0 5.0 89 1.20	2007 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26 920 71 61.0 60.0 118	1     L       7.63     656       15     3.79       652     15       4.15     2.93       714     16       Y) / Cent     567       2.7     46.0       44.0     66	FCY6500 4 M 9.72 836 23 4.83 831 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 5.02 3.60 863 23 5.02 5.02 3.60 863 23 5.02 5.0	2 7 H 11.51 990 31 5.72 984 31 5.67 4.12 975 28 verter (F 920 71 61.0 60.0 118	2 L 8.77 754 19 4.36 750 19 4.24 3.24 729 20 (YII) 785 32 54.0 52.0 92	FCY700 5 M 10.10 868 25 5.02 863 25 4.97 3.83 855 26 978 50 60.0 59.0 117 1.20	2 7 H 10.52 905 27 5.23 899 27 5.18 4.02 891 28 891 28 891 28 5.18 62.0 61.0 138	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807 12 785 32 54.0 52.0 92	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53 4.20 951 16 5.53 4.20 951 16 5.53 5.53 4.20 951 16 16 5.53 17 16	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41 997 17 17 1050 58 62.0 61.0 138
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate Utility side pressure drop Fan Type Air flow rate High static pressure Sound power level (inlet + radiated) Sound power level (utlet) Input power Water coil Water content Fittings diameter Main coil Devager upply	kW 1/h kPa kW 1/h kPa kW kW 1/h kPa type m <sup>3</sup> /h Pa dB(A) dB(A) W I	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461 13 400 22 45.0 41.0 49	FCY5000 5 M 621 21 3.59 617 21 3.65 2.70 628 22 50 55.0 55.0 55.0 51.0 80 1.00	6 H 7.59 652 23 3.77 648 23 3.82 2.83 657 24 627 56 57.0 53.0 96	1 L 5.81 500 10 2.89 497 10 2.91 2.91 2.07 500 12 400 22 45.0 41.0 49	FCY550( 5 M 8.25 709 19 4.10 705 19 4.08 2.94 702 21 592 50 55.0 55.0 51.0 80 1.40	C 6 H 8.67 746 21 4.31 741 21 4.28 3.09 736 23 Cer 627 56 57.0 53.0 96	1 L 6.86 590 13 3.41 586 13 3.37 2.70 580 15 trifugal 567 27 46.0 44.0 66	FCY600 4 M 8.55 20 4.25 735 20 4.25 731 19 4.08 3.34 702 21 4.08 3.34 702 21 50 56.0 54.0 89 1.20	2007 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26 920 71 61.0 60.0 118 3,	1     L       7.63     656       15     3.79       652     15       4.15     2.93       714     16       Y) / Cent     567       2.7     46.0       44.0     66       44.0     66	FCY6500 4 M 9.72 836 23 4.83 831 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 3.60 863 23 5.02 5.02 3.60 863 23 5.02	2 7 H 11.51 990 31 5.72 984 31 5.67 4.12 975 28 verter (F 920 71 61.0 60.0 118	2 L 8.77 754 19 4.36 750 19 4.24 3.24 729 20 (YII) 785 32 54.0 52.0 92	FCY700 5 M 10.10 868 25 5.02 863 25 4.97 3.83 855 26 978 50 60.0 59.0 117 1.20	2 7 H 10.52 905 27 5.23 899 27 5.18 4.02 891 28 891 28 28 1050 58 62.0 61.0 138	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807 12 785 32 54.0 52.0 92	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53 4.20 951 16 5.53 4.20 951 16 5.53 5.53 4.20 951 16 16 10 17 16	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41 997 17 17 1050 58 62.0 61.0 138
Performance in heating mode 70 °C / 60 °C (1) Heating capacity Utility water flow rate Utility side pressure drop Performance in heating mode 45 °C / 40 °C (2) Heating capacity Utility water flow rate Utility side pressure drop Performance in cooling mode 7 °C / 12 °C (3) Cooling capacity Sensitive cooling capacity Utility water flow rate Utility side pressure drop Fan Type Air flow rate High static pressure Sound power level (inlet + radiated) Sound power level (utlet) Input power Water coil Water content Fittings diameter Main coil Power supply Power supply	kW 1/h kPa kW 1/h kPa kW kW 1/h kPa type m <sup>3</sup> /h Pa dB(A) dB(A) W 1 0	1 L 5.27 453 12 2.62 451 12 2.68 1.94 461 13 400 22 45.0 41.0 49 	FCY50000 5 M 7.22 621 21 3.59 617 21 3.65 2.70 628 22 50 55.0 55.0 51.0 80 1.00	6 H 7.59 652 23 3.77 648 23 3.82 2.83 657 24 627 56 57.0 53.0 96	1 L 5.81 500 10 2.89 497 10 2.91 2.91 2.07 500 12 400 22 45.0 41.0 49	FCY550( 5 M 8.25 709 19 4.10 705 19 4.08 2.94 702 21 50 55.0 55.0 55.0 51.0 80 1.40	C 6 H 8.67 746 21 4.31 741 21 4.28 3.09 736 23 Cer 627 56 57.0 53.0 96	1 6.86 590 13 3.41 586 13 3.37 2.70 580 15 trifugal 567 27 46.0 44.0 66	FCY600 4 M 8.55 20 4.25 735 20 4.25 731 19 4.08 3.34 702 21 4.08 3.34 702 21 Asynchroo 770 50 56.0 59 1.20	2007 7 H 10.00 860 26 4.97 855 25 4.65 3.92 800 26 920 71 61.0 60.0 118 3)	1       16       17       16       17       16       17       16       17       16       17       16       17       16       17       16       17       16       17       16       17       16       17       16       17       16       17       16       17	FCY6500 4 M 9.72 836 23 4.83 831 23 5.02 3.60 863 23 rifugal In 770 50 56.0 54.0 89 1.60	2 7 H 11.51 990 31 5.72 984 31 5.67 4.12 975 28 verter (F 920 71 61.0 60.0 118	2 L 8.77 754 19 4.36 750 19 4.24 3.24 729 20 (YII) 785 32 54.0 52.0 92	FCY700 5 M 10.10 868 25 5.02 863 25 4.97 3.83 855 26 978 50 60.0 59.0 117 1.20	2 7 H 10.52 905 27 5.23 899 27 5.18 4.02 891 28 891 28 28 5.18 62.0 61.0 138	2 L 10.02 862 12 4.98 856 12 4.69 3.53 807 12 785 32 54.0 52.0 92	FCY7500 5 M 11.65 1002 15 5.79 996 15 5.53 4.20 951 16 5.53 4.20 951 16 5.53 5.53 4.20 951 16 16 10 17 16	7 H 12.09 1040 16 6.01 1034 16 5.80 4.41 997 17 17 1050 58 62.0 61.0 138

Room air 20 °C d.b.; Water (in/out) 70 °C/60°C
Room air 20 °C d.b.; Water (in/out) 45 °C/40 °C; EUROVENT
Ambient air 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
Please refer to the selection software for performance data on the different configurations.



#### PERFORMANCE DATA FCY\_C AND FCY\_U (H-NOZZLE CONFIGURATION) 4 PIPES 4 pipes

			FCY201	[	FCY301C				FCY401C			FCY5010		FCY601C			FCY701C		
		2	4	6	1	4	6	1	3	6	1	5	6	1	4	7	2	5	7
		L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н
Performance in heating mode 65 °C / 55 °C (1)																			-
Heating capacity	kW	1.06	1.37	1.48	1.82	2.39	2.55	2.19	2.75	2.99	2.59	3.30	3.34	3.13	3.85	4.35	4.13	4.40	4.60
Utility water flow rate	l/h	93	120	130	159	210	223	192	240	262	226	290	301	274	336	381	361	385	403
Utility side pressure drop	kPa	5	8	9	8	12	14	5	7	8	6	9	9	9	13	16	16	15	17
Performance in cooling mode 7 °C / 12 °C (2)																			
Cooling capacity	kW	0.93	1.30	1.44	1.70	2.40	2.63	2.29	3.06	3.41	2.68	3.65	3.82	3.37	4.08	4.65	4.24	4.97	5.18
Sensitive cooling capacity	kW	0.74	1.14	1.18	1.27	1.86	2.03	1.66	2.24	2.52	1.94	2.70	2.83	2.70	3.34	3.92	3.24	3.83	4.02
Utility water flow rate	l/h	160	224	248	292	413	452	394	526	586	461	628	657	580	702	800	729	855	891
Utility side pressure drop	kPa	8	13	15	9	16	18	11	18	22	13	22	24	15	21	26	20	26	28
Fan																			
Туре	type						Cer	ntrifugal	Asynchro	nous (FC	Y) / Cent	rifugal In	verter (F	CYI)					
Air flow rate	m³/h	148	226	254	263	404	446	346	487	559	400	592	627	567	770	920	785	978	1050
High static pressure	Pa	21	50	63	21	50	61	25	50	66	22	50	56	27	50	71	32	50	58
Sound power level (inlet + radiated)	dB(A)	41.0	56.0	59.0	39.0	51.0	54.0	44.0	54.0	55.0	45.0	55.0	57.0	46.0	56.0	61.0	54.0	60.0	62.0
Sound power level (outlet)	dB(A)	37.0	52.0	55.0	35.0	47.0	49.0	40.0	50.0	52.0	41.0	51.0	53.0	44.0	54.0	60.0	52.0	59.0	61.0
Input power	W	28	41	74	38	55	78	53	63	102	49	80	96	66	89	118	92	117	138
Fittings diameter																			
Main coil	Ø		1/2″			3/4″			3/4″			3/4″			3/4″			3/4″	
Secondary coil	Ø									1/	2″								
Power supply																			
Power supply										230V/	~50Hz								

ent configurations.

(1) Room air 20 °C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT (2) Ambient air 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT Please refer to the selection software for performance data on the differ-

#### DIMENSIONS





#### FCY - C

Size		200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
Dimensions and weights																			
A	mm	598	598	598	829	829	829	1050	1050	1050	1050	1050	1050	1171	1171	1171	1171	1171	1171
В	mm	507	507	507	735	735	735	960	960	960	960	960	960	1080	1080	1080	1080	1080	1080
C	mm	550	550	550	781	781	781	1003	1003	1003	1003	1003	1003	1122	1122	1122	1122	1122	1122
D	mm	529	529	529	760	760	760	982	982	982	982	982	982	1100	1100	1100	1100	1100	1100
Vacuum weight	ka	19	20	21	23	24	26	31	32	33	31	32	33	41	43	46	41	43	46

FCY - U														
Size		200	201	250	300	301	350	400	401	450	500	501	550	
Dimensions and weights														
A	mm	647	647	647	878	878	878	1100	1100	1100	1100	1100	1100	
В	mm	508	508	508	739	739	739	960	960	960	960	960	960	
C	mm	550	550	550	781	781	781	1003	1003	1003	1003	1003	1003	
D	mm	529	529	529	760	760	760	982	982	982	982	982	982	
Vacuum weight	kg	22	23	24	26	27	29	35	36	37	35	36	37	

For further information, refer to the selection program or the technical documentation on www.aermec.com

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