



# CIAT - FLOWAY CLASSIC

## Air handling unit

### FLOWAY CLASSIC

Air handling unit with rotary heat exchanger



#### Features

- Dual flow 'plug and play' air handling unit.
- Double filtration (F7 and F9).
- Rotary heat exchanger with variable speed.
- Free cooling and night cooling management.
- EC fan motor.
- Casing mechanical strength = D2.
- Air leakage ( $\pm$  pressure) = L2, air leakage filter assembly = F9.
- Thermal transmittance = T3, thermal bridge = TB2.

#### Technical Data

Floway Classic		1000	2000	3000	4000	5000	6000	7500	10000	10000	15000	15000
Air flow	m <sup>3</sup> /s	0.30	0.55	0.90	1.15	1.35	1.70	2.20	2.80	3.10	3.80	4.10
Minimum air flow	m <sup>3</sup> /s	0.083	0.139	0.194	0.25	0.25	0.389	0.389	0.695	0.695	0.834	0.834
Maximum air flow	m <sup>3</sup> /s	0.333	0.694	1.028	1.583	1.583	2.361	2.361	3.889	3.889	5.000	5.000
V air filter section	m/s	1.21	1.42	1.42	1.16	1.45	1.18	1.57	1.59	1.91	1.65	1.98
Recovery efficiency EN308*	%	78.8	79.4	79.3	78.8	79.9	79.1	79.5	79.3	77.9	79.5	78.4
Width x height	mm	810 x 958	1010 x 1158	1210 x 1359	1510 x 1659	1510 x 1659	1810 x 1959	1810 x 1959	1920 x 2090	1920 x 2090	2192 x 2340	2192 x 2340
Length	mm	1266	510 + 800	800 + 800	800 + 800	800 + 800	800 + 800	800 + 800	1100 + 1100	1100 + 1100	1100 + 1200	1100 + 1200
Weight	kg	201	309	432	558	604	702	751	955	955	1250	1250
Supply power	kW	1.43	2.5	3.82	4.23	4.23	6.03	6.03	12.06	12.06	15.45	15.45
Supply	Phase	1Ø	3Ø + T	3Ø + T	3Ø + T	3Ø + T	3Ø + T	3Ø + T	3Ø + T	3Ø + T	3Ø + T	3Ø + T

Floway Classic hot water coil (1-row) - inside the unit												
Fan motor assembly supply	W	289	517	808	940	1150	1407	2070	2576	3014	3631	4109
Fan motor assembly exhaust	W	266	473	715	882	1043	1334	1911	2213	2593	3095	3484
Specific fan power	kW/m <sup>3</sup> s	1.850	1.798	1.692	1.584	1.625	1.612	1.809	1.710	1.808	1.770	1.852
Heating water coil capacity**	kW	4.0	7.3	11.9	15.2	17.9	22.5	29.1	37.1	41.1	50.3	54.3

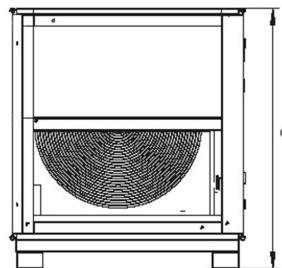
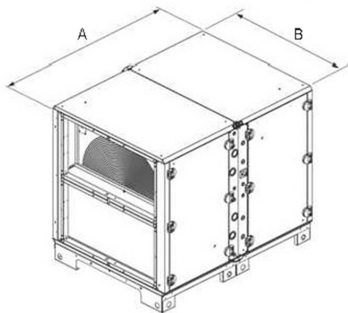
Floway Classic cooling and heating/cooling only coil (2-row) - inside the unit												
Fan motor assembly supply	W	317	546	866	997	1219	1463	2166	2783	3481	4135	4707
Fan motor assembly exhaust	W	266	473	715	882	1043	1334	1911	2213	2593	3095	3484
Specific fan power	kW/m <sup>3</sup> s	1.945	1.852	1.756	1.633	1.676	1.645	1.853	1.784	1.959	1.903	1.998
Changeover coil capacity (heating)**	kW	4.0	7.3	11.9	15.2	17.9	22.5	29.1	37.1	41.1	50.3	54.3
Changeover coil capacity (cooling)***	kW	5.7	10.5	17.1	21.9	25.7	32.3	41.8	52.2	58.9	72.2	77.9

\* ERP regulation UE 1253/2014.

\*\* Capacity at (W 45-40°C).

\*\*\* Capacity at (W 7-12°C).

#### Dimensional Drawings



Model	Length (A), mm	Width (B), mm	Height (C), mm
1000	1266	810	958
2000	510 + 800	1010	1158
3000	800 + 800	1210	1359
4000	800 + 800	1510	1659
5000	800 + 800	1510	1659
6000	800 + 800	1810	1959
7500	800 + 800	1810	1959
10000	1100 + 1100	1920	2090
15000	1100 + 1200	2192	2340

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### Accessories

Floway Classic		1000	2000	3000	4000	5000	6000	7500	10000	15000
Description										
Filter - F9 HEE										
Water coil H & C/CO (4-row) - inside the unit										
Water coil HO (1-row) - additional casing										
Water coil H & C/CO (2-row) - additional casing										
Water coil H & C/CO (3-row) - additional casing										
Water coil H & C/CO (4-row) - additional casing										
Electric heater (1-stage) - inside the unit										
Electric heater (2-stage) - inside the unit										
Electric heater (1-stage) - additional casing										
Electric heater (2-stage) - additional casing										
Motorised damper - dimensions	mm	250 dia	355 dia	1150 x 560	1450 x 650	1450 x 650	1750 x 840	1750 x 840	1750 x 840	2010 x 880
Outdoor motorised damper - dimensions	mm	370 x 370	470 x 470	1150 x 560	1450 x 650	1450 x 650	1750 x 840	1750 x 840	1750 x 840	2010 x 880
Flexible sleeve (intake OR discharge) - dimensions	mm	250 dia	355 dia	990 x 510	990 x 510	1290 x 610	1590 x 810	1590 x 810	1590 x 810	1900 x 810
Partial mixing section (internal recycling damper)										
Total mixing section (internal recycling + 2 external dampers)										
Roof										
Hood										
Separator screen for hood										
Adjustable feet - quantity		4	6	8	8	8	8	8	8	8
Epoxy coating for rotary heat exchanger										
Hygroscopic coating for rotary heat exchanger										
Pre-painted fins on coils - 1-row										
Pre-painted fins on coils - 2-row										
Pre-painted fins on coils - 3-/4-row										
Multi-units display (1-30) (display + TCONN card)										
LON PCB										
KNX PCB										
Modbus TCP - BACnet IP PCB										
ΔP sensor for HR icing management										
IAQ sensor kit (CO <sub>2</sub> )										
Constant pressure management kit										
Ambient in-room control kit										
Smoke detector kit										
RJ11 cable 10 m/50 m										

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