



CIAT - FLOWAY CLASSIC

Air handling unit

FLOWAY CLASSIC

Air handling unit with plate heat exchanger

Features

- Counter flow 'plug and play' air handling unit.
- Double filtration (F7 and F9).
- Plate heat exchanger with variable speed.
- Free cooling and night cooling management.
- EC fan motor.
- Electrical pre-heater available = -15°C heat recovery.
- Casing mechanical strength = D2.
- Air leakage (\pm pressure) = L2, air leakage filter assembly = F9.
- Thermal transmittance = T3, thermal bridge = TB2.



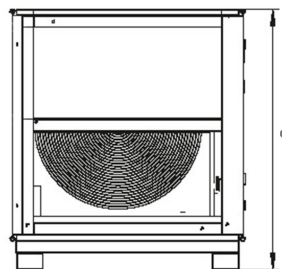
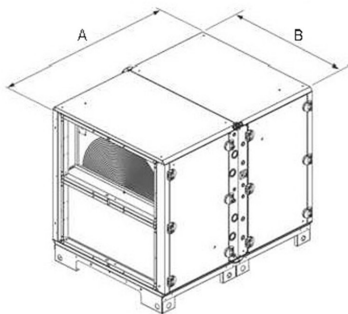
Technical Data

Floway Classic		1000	2000	3000	4000	6000
Air flow	m ³ /s	0.30	0.55	0.90	1.15	1.70
Minimum air flow	m ³ /s	0.083	0.139	0.194	0.250	0.389
Maximum air flow	m ³ /s	0.333	0.694	1.028	1.583	2.361
V air filter section	m/s	1.21	1.42	1.42	1.16	1.18
Recovery efficiency EN308*	%	81.0	85.8	85.2	85.4	84.7
Width x height	mm	810 x 958	1010 x 1158	1210 x 1359	1510 x 1659	1810 x 1959
Length	mm	1580	1150 + 800	1264 + 800	1264 + 800	1407 + 800
Weight	kg	200	350	465	580	765
Supply power	kW	1.43	2.50	3.82	4.23	6.03
Supply	Phase	1Ø	3Ø + T	3Ø + T	3Ø + T	3Ø + T
Floway Classic hot water coil (1-row) - inside the unit						
Fan motor assembly supply	W	284	520	876	1010	1581
Fan motor assembly exhaust	W	253	483	798	941	1517
Specific fan power	kW/m ³ s	1.790	1.824	1.860	1.697	1.822
Heating water coil capacity**	kW	6.1	11.2	17.3	23.5	34.7
Floway Classic cooling and heating/cooling only coil (2-row) - inside the unit						
Fan motor assembly supply	W	312	550	933	1063	1637
Fan motor assembly exhaust	W	253	483	798	941	1517
Specific fan power	kW/m ³ s	1.881	1.878	1.923	1.743	1.855
Changeover coil capacity (heating)**	kW	6.1	11.2	17.3	23.5	34.7
Changeover coil capacity (cooling)**	kW	5.7	10.5	17.1	21.9	32.3

* ERP regulation UE 1253/2014.

** EN308 conditions: Dry performance, altitude 0 m, iso air flow: Fresh air 5°C/80%; Exhaust air 25°C/27%.

Dimensional Drawings



Model	Length (A), mm	Width (B), mm	Height (C), mm
1000	1580	810	958
2000	1150 + 800	1010	1158
3000	1264 + 800	1210	1359
4000	1264 + 800	1510	1659
6000	1407 + 800	1810	1959

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Accessories

Floway Classic		1000	2000	3000	4000	6000
Description						
Filter - F9 HEE						
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 pre-heater (1-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	1750 x 840
Outdoor motorised damper - dimensions	mm	370 x 370	470 x 470	1150 x 560	1450 x 650	1750 x 840
Flexible sleeve (intake OR discharge) - dimensions	mm	250 dia	355 dia	990 x 510	990 x 510	1590 x 810
Roof						
Hood						
Separator screen for hood						
Adjustable feet - quantity		4	6	8	8	8
Epoxy coating for plate 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 ₂)						
Constant pressure management kit						
Ambient in-room control kit						
Smoke detector kit						
RJ11 cable 10 m/50 m						

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