



Unit configuration

The eQ unit is available in several configurations, either as a modular unit in a single deck casing or as a compact unit in a double deck casing or as a combination between the two. For narrow installations, size 008 and 011 are available as eQ Top, with all connections placed upwards. The following are examples of configurations:



Supply air or exhaust air unit, modular design.



eQ Top with all connections placed upwards, available for sizes 008 and 011. Supply air and exhaust air unit with rotary heat exchanger.



Supply air and exhaust air unit with liquid-coupled heat exchanger.



Supply air and exhaust air unit with rotary, plate or liquid-coupled heat exchanger, compact design. Cooling coils and heating coils are supplied separately and are installed in the duct.



Supply air and exhaust air, unit with rotary or plate heat exchanger. Combination of compact and modular design.



Supply air and exhaust air unit with rotary or plate heat exchanger. All components built in, such as fans, filters, dampers, heat exchanger, cooling and heating coils.

We Bring Air to Life

Fläkt Woods is a global leader in air management. We specialise in the design and manufacture of a wide range of air climate and air movement solutions. And our collective experience is unrivalled.

Our constant aim is to provide systems that precisely deliver required function and performance, as well as maximise energy efficiency.

Solutions for all your air climate and air movement needs

Fläkt Woods is providing solutions for ventilation and air climate for buildings as well as fan solutions for Industry and Infrastructure.

• Air Handling Units (AHUs)

Modular, compact and small AHU units. Designed to ensure optimisation of indoor air quality, operational performance and service life.

• Air Terminal Devices and Ducts

Supply and exhaust diffusers and valves for installation on walls, ceiling or floor are all included in our large range and fit all types of applications.

• Chilled Beams

Active induction beams for ventilation, cooling and heating, and passive convection beams for cooling. For suspended or flush-mounted ceiling installation – and multi-service configuration. With unique Comfort Control and Flow Pattern Control features.

• Residential ventilation

A complete range of products for residential ventilation. Consists of ventilation units, exhaust air fans and cooker hoods designed to optimise indoor comfort and save energy.

• Energy recovery

Dessicant-based product and systems that recover energy, increase ventilation and control humidity.

• Fans

Advanced axial, centrifugal and boxed fans for general and specialist applications. Comprehensive range including high temperature and ATEX compliant options. Engineered for energy efficiency and minimised life cycle cost.

• Chillers

Air-cooled and water-cooled chillers with cooling capacity up to 1800kW. Designed to minimise annual energy consumption in all types of buildings.

• Controls and drives

Variable speed drives and control systems, all tested to ensure total compatibility with our products. Specialist team can advise on energy saving and overall system integration.

• Acoustical products

A complete line of sound attenuating products, including rectangular and round silencers. Media Free silencers, custom silencers and acoustic enclosure panels.



eQ Air Handling Unit

Quick Selection

Save energy, economy and environment with Fläkt Woods

Energy optimization is an important aspect of ventilation, where Fläkt Woods have acclaimed expertise.

We use e³ to highlight products and solutions that are particularly effective. They serve a dual purpose of saving both your long-term economy and our environment.

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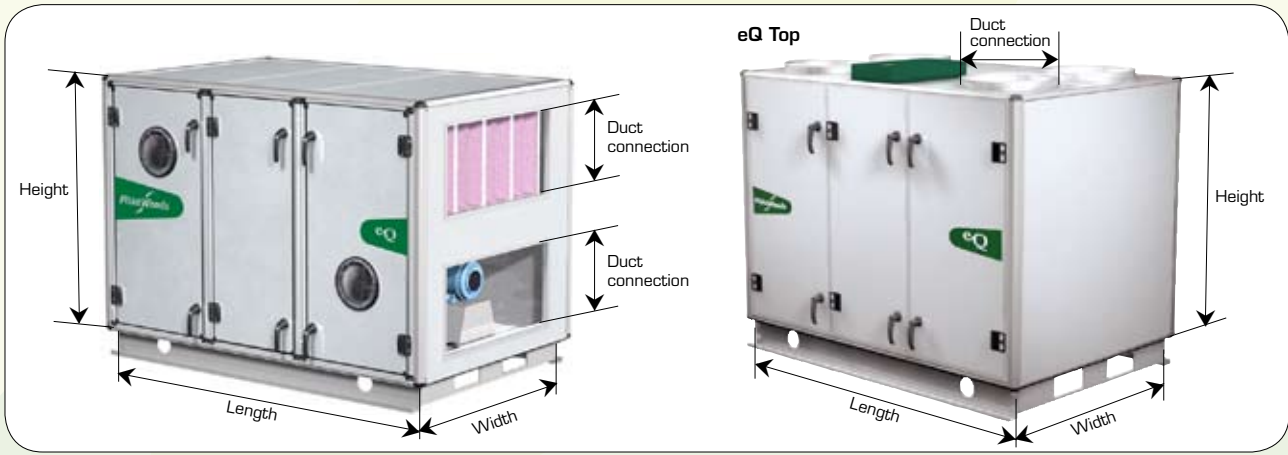
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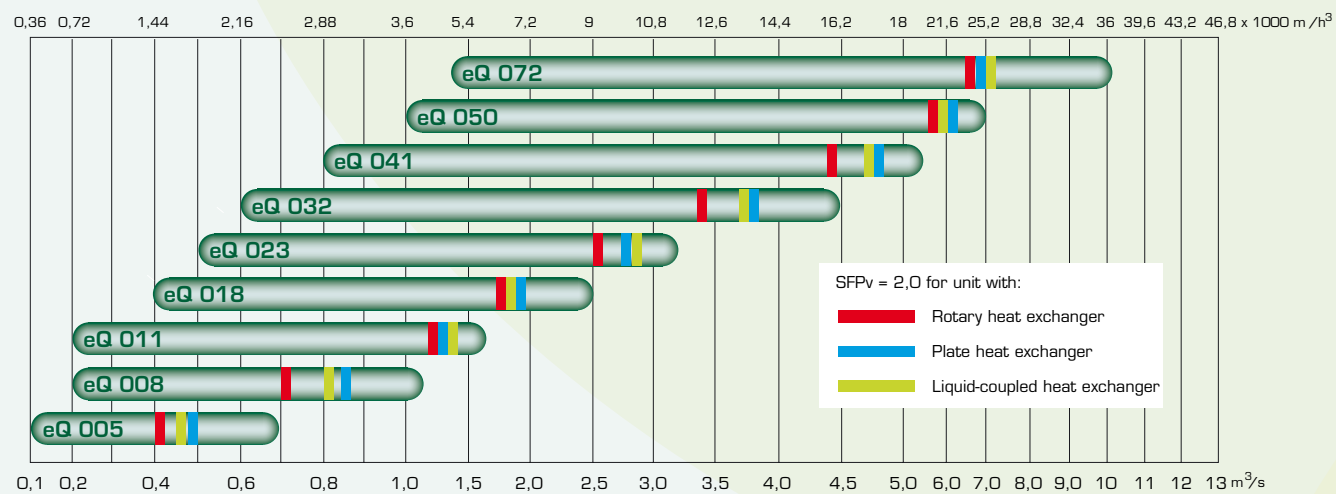


Quick selection single casing units



Size	Height	Width	Unit length, rotary heat exchanger	Unit length, plate heat exchanger	Unit length, liquid-coupled heat exchanger	Duct connection
005	952	800	1600	1950	1750	500 x 300
008	1152	1100	1600	2200	1750	800 x 400
008 Top	1152	1100	1750	-	-	Ø 400
011	1352	1200	1900	2400	2100	800 x 400
011 Top	1352	1200	1950	-	-	Ø 500
018	1552	1400	2100	2900	2150	1100 x 500
023	1852	1700	2400	3300	2350	1400 x 600
032	2052	1800	2700	4100	2450	1400 x 800
041	2152	2000	2950	4200	2500	1700 x 800
050	2452	2300	3550	4500	2800	2000 x 800
072*	2752	2600	3650	4700	2800	2200 x 1000

* Only for module design. For information about system loss, see product selection tool ACON.



The dimensions and SFPv tables are based on:

- Duct pressure drop 200 Pa
- Minimum fan size
- Short bag filter for size 005 - 008. Long bag filter for size 011 - 072

- Duct-mounted heating coils, output variant 1 for rotary heat exchangers and output variant 2 for plate and liquid-coupled heat exchangers.
- Dampers on outdoor air and extract air flow.
- Pressure drop for heating coil and dampers is included in the SFPv calculation.
- Output variant 2 for liquid-coupled heat exchanger.

Quick selection tables complete eQ range

	Air flow m³/s (m³/h)				Filter		Ext. cross-section		
	Max (3,5 m/s over filter)	Air cooler (built in cooling unit) face velocity, m/s			Filter-cassettes	Cassettes	Unit width, mm	Unit height, mm single deck	Unit height, mm double deck
	2,0 m/s	2,5 m/s	3,0 m/s						
005	0,7 (2520)	0,4 (1400)	0,5 (1800)	0,6 (2160)	300x600		800	476	952
008	1,1 (4032)	0,7 (2520)	0,9 (3240)	1,1 (3960)	800x400		1100	576	1152
009	1,3 (4680)	0,7 (2520)	0,8 (2880)	1,0 (3600)	600x600		800	776	1552
011	1,6 (5760)	1,0 (3600)	1,3 (4680)	1,5 (5400)	2x500x500		1200	676	1352
014	1,9 (6840)	1,0 (3600)	1,3 (4680)	1,6 (5760)	600x600 300x600		1100	776	1552
018	2,5 (9000)	1,4 (5040)	1,8 (6480)	2,1 (7560)	2x600x600		1400	776	1552
020	2,8 (10080)	1,5 (5400)	1,9 (6840)	2,3 (8280)	600x600 2x300x600 300x300		1100	1076	2152
023	3,3 (11808)	2,2 (7920)	2,7 (9720)	3,3 (11880)	2x600x600 300x600		1700	926	1852
027	3,8 (13680)	2,1 (7560)	2,6 (9360)	3,1 (11160)	2x600x600 2x300x600		1400	1076	2152
032	4,5 (16200)	2,6 (9360)	3,3 (11880)	4,0 (14400)	4x400x800		1800	1026	2052
036	5,0 (18000)	2,6 (9360)	3,3 (11880)	4,0 (14400)	4x600x600		1400	1376	-
041	5,7 (20520)	3,2 (11500)	4,0 (14400)	4,8 (17280)	3x600x600 3x300x600		2000	1076	2152
045	6,3 (22680)	3,4 (12240)	4,2 (15120)	5,0 (18000)	4x600x600 2x300x600		1700	1376	-
050	7,0 (25200)	4,3 (15480)	5,3 (19080)	6,4 (23040)	8x500x500		2300	1226	2452
054	7,3 (26280)	4,1 (14760)	5,1 (18360)	6,1 (21960)	6x600x600		2000	1376	-
056	7,9 (28350)	4,3 (15470)	5,4 (19340)	6,4 (23210)	4x600x600 4x300x600 300x300		1700	1676	-
063	8,8 (31750)	4,8 (17280)	6,0 (21600)	7,2 (25920)	6x600x600 2x300x600		2300	1376	-
068	9,5 (34020)	5,2 (18790)	6,5 (23490)	7,8 (28180)	6x600x600 3x300x600		2000	1676	-
072	10,1 (36290)	5,5 (19800)	6,9 (24840)	8,3 (29880)	8x600x600		2600	1376	-
079	11,0 (39600)	6,1 (22100)	7,7 (27630)	9,2 (33160)	6x600x600 5*300*600 1x300x300		2300	1676	-
090	12,6 (45360)	7,1 (25420)	8,8 (31770)	10,6 (38130)	8x600x600 4x300x600		2600	1676	-

A three digit code describes the sizes in the eQ range and they indicate the airflow rate at a filter face velocity of 2.5 m/s.

Unit configuration

Unit size	Single casing unit	Double casing unit	Rotary heat exchanger RECUPERATOR® - TURBORECUPERATOR®	Plate heat exchanger RECUPERATOR®	Liquid-coupled heat exchanger ECOCHEAT®	Liquid-coupled heat exchanger ECOCHEAT®	Cooling unit, COOLER	Cooling unit, ReCooler with cooling recovery	Humidifier	Combi Cooler
005	•	•	•	•	•					eQ Plus
008	•	•	•	•	•					eQ Plus
009	•	eQ Plus	eQ Plus	eQ Plus	•					eQ Plus
011	•	•	•	•	•					eQ Plus
014	•	eQ Plus	eQ Plus	eQ Plus	•					eQ Plus
018	•	•	•	•	•					eQ Plus
020	•	eQ Plus	eQ Plus	eQ Plus	•					eQ Plus
023	•	•	•	•	•					eQ Plus
027	•	eQ Plus	eQ Plus	eQ Plus	•					eQ Plus
032	•	•	•	•	•					eQ Plus
036	•		eQ Plus	eQ Plus	•					eQ Plus
041	•	•	•	•	•					eQ Plus
045	•		eQ Plus	eQ Plus	•					eQ Plus
050	•	•	•	•	•					eQ Plus
054	•		eQ Plus	eQ Plus	•					eQ Plus
056	•		eQ Plus		•					eQ Plus
063	•		eQ Plus	eQ Plus	•					eQ Plus
068	•		eQ Plus		•					eQ Plus
072	•		•	•	•					eQ Plus
079	•		eQ Plus		•					eQ Plus
090	•		eQ Plus		•					eQ Plus

Heat exchangers are delivered as double casing units.

It is easy to select eQ 1, eQ 2 and eQ Top in ACON

The standardised range is called eQ 1 or eQ 2 depending on the delivery time. eQ 1 has one week delivery time whereas eQ 2 has two weeks of delivery. The type of unit - eQ 1, eQ 2 or eQ Top - is selected in the first step of the unit configuration. The Top concept also includes TopMaster.

