

# ESC

## Exhaust air units

Air flow rate from 800 to 39.000 m<sup>3</sup>/h

The ESC series units are exhaust air units with radial fans coupled to motors with belt-pulley transmission designed to be installed outside. They are provided with a roof to keep the rain off and they are thus weatherproof. The wide range of nine models enable the designer to select the most suitable unit for the characteristics of the system, being able to cover a field of application from 800 m<sup>3</sup>/h to 39.000 m<sup>3</sup>/h with available static pressure from 50 Pa to 600 Pa.

The possibility of installing the ESC exhaust units in accordance with six different orientations and a high number of available accessories as, for example dampers, filters, recovery coils etc. allow for extremely versatile installation to satisfy various types of systems.



## > Versions

### 9 sizes available.

**Structure** made of aluminium profiles with pre-painted galvanised panels and semi-open cell type insulation material with roof as a standard.

**Radial type fans coupled** to the motor shaft with belt-pulley transmission.

## > Accessories

- P** intake panel with flange.
- G2** class G2 metal filter on the intake.
- G3** synthetic filter class G3 situated on the intake.
- B** supply outlet with anti-bird mesh.
- S** overpressure damper on fan mouth.
- F** front damper that can be provided with actuator on the outlet.
- R** eight row recovery coil with condensate drain pan and drop eliminator.



## >Main technical data

ESC model		1	2	3	4	5	6	7	8	9
Minimum air flow rate	m <sup>3</sup> /h	800	1.200	1.500	2.000	3.500	4.500	9.000	10.000	12.000
Maximum air flow rate	m <sup>3</sup> /h	2.600	4.800	6.000	8.500	12.500	18.000	27.000	32.500	39.000
Minimum static pressure	Pa	50	50	50	50	50	50	50	50	50
Maximum static pressure	Pa	600	600	600	600	600	600	600	600	600
Maximum installed power	kW	1,1	3,0	3,0	3,0	5,5	7,5	11,0	15,0	15,0

## >Sizes and weights

			1	2	3	4	5	6	7	8	9
Length	<b>L</b>	mm	750	800	850	900	1.050	1.150	1.300	1.400	1.500
Width	<b>W</b>	mm	750	800	850	900	1.050	1.150	1.300	1.400	1.500
Height*	<b>H</b>	mm	850	900	950	1.000	1.150	1.250	1.400	1.500	1.600
Weight**		kg	70	95	100	112	154	192	277	325	355

\* With feet.

\*\* Base unit weight + maximum installable electric motor size.

