

## TECHNICAL DATA

The unit is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80 %. In order to prevent condensation on the internal walls of the units, it is necessary that the surface temperature of the casing is 2-3 °C higher than the dew point temperature of the transported air.

The unit is rated as a Class I electrical appliance.

Hazardous parts access and water ingress protection rating:

- IP22 for the unit connected to the air ducts
- IP44 for the unit motors

The unit design is constantly being improved, thus some models may be slightly different from those described in this manual.

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MODEL	KOMFORT EC S160	KOMFORT EC S160-E	KOMFORT EC SB160	KOMFORT EC SB160-E	KOMFORT EC S1 160	KOMFORT EC S1 160-E	KOMFORT EC S1B160	KOMFORT EC S1B160-E	KOMFORT EC S1B350	KOMFORT EC S1B350-E	KOMFORT EC SB350	KOMFORT EC SB350-E	KOMFORT EC SB550	KOMFORT EC SB550-E
Supply voltage [V/50 (60) Hz]	1~ 220-240													
Maximum fan power [W]					57				169	178		337		
Maximum unit current (without a heater) [A]					0.5				1.3	1.4		2.4		
Maximum air flow [m³/h]					200				420	450		690		
RPM [min <sup>-1</sup> ]					3770				3200		2860			
Sound pressure level at 3 m distance [dBA]	24						22		28		26			
Transported air temperature [°C]	-25...+40													
Casing material	Painted steel													
Insulation, mineral wool [mm]	20								40					
Filtering class of the extract filter	G4													
Filtering class of the supply filter	F7 (optionally G4)													
Connected air duct diameter [mm]					125				160		200			
Weight [kg]	34		36		42		44		57		64		82	
Heat recovery efficiency [%]	85-93	76-92	85-93	76-92	85-93	76-92	85-93	76-92	85-92	73-91	85-92	73-91	84-92	73-91
Heat exchanger type	Counter-flow													
Heat exchanger material	Polystyrene	Enthalpy membrane	Polystyrene	Enthalpy membrane	Polystyrene	Enthalpy membrane	Polystyrene	Enthalpy membrane	Polystyrene	Enthalpy membrane	Polystyrene	Enthalpy membrane	Polystyrene	Enthalpy membrane
SEC class	A+	A	A+	A	A+	A	A+	A	A+	A	A+	A	A+	A

The KOMFORT EC S(1)(B)160/350/550-E units are equipped with an enthalpy heat exchanger and do not require condensate drainage.