

Fresh FRX

Technology and functionality in harmony

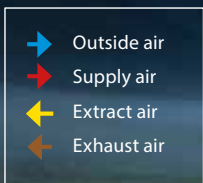
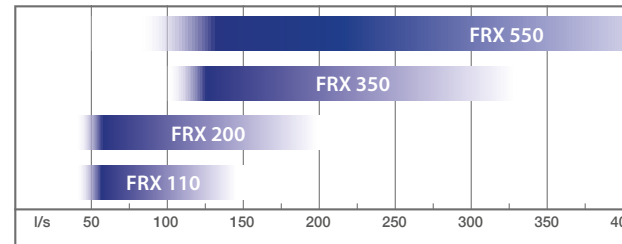


Fresh FRX

heat recovery with technology and functionality in harmony

Fresh FRX is a series of residential units with rotating heat exchangers for houses, schools and offices.

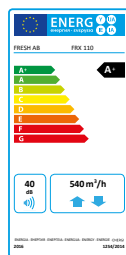
The units, which are available in four chassis sizes with top or side connection, as well as in left or right versions, are developed and manufactured in Sweden and tested for our Nordic climate.



FRX 110 S/T

Compact residential unit for houses and smaller offices. Attic installation: The FRX 110S is only 450 mm wide with the hatches removed and is rotatable.

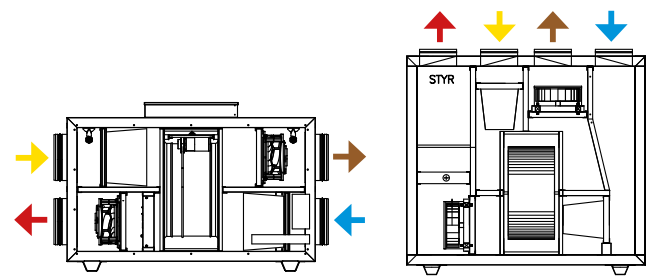
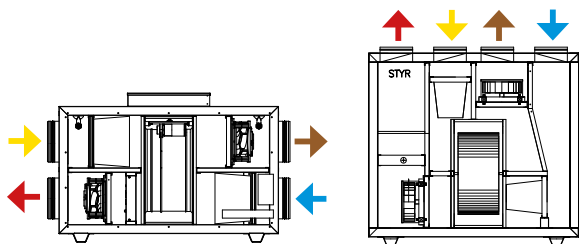
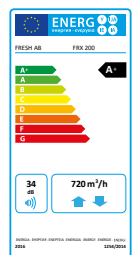
Control and regulation: Complete with control panel
 Heat recovery: Rotor
 Postheater: Electric (integrated)
 Fans: EC



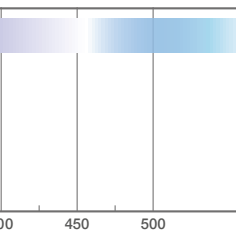
FRX 200 S/T

Compact residential unit for slightly larger houses, offices and conference rooms.

Control and regulation: Complete with control panel
 Heat recovery: Rotor
 Postheater: Electric (integrated)
 Fans: EC



Model	Dimensions (mm)				Weight (kg)	Efficiency %	Max capacity l/s @ 150 Pa	Energy efficiency class ErP 2018
	L	W	H	Ø				
FRX 110 T	1031	560	943	160	100	82	150	A+
FRX 200 T	1177	702	1113	200	136	84	200	A+
FRX 110 S	1076	564	730	200	89	82	150	A+
FRX 200 S	1176	704	801	250	115	84	200	A+



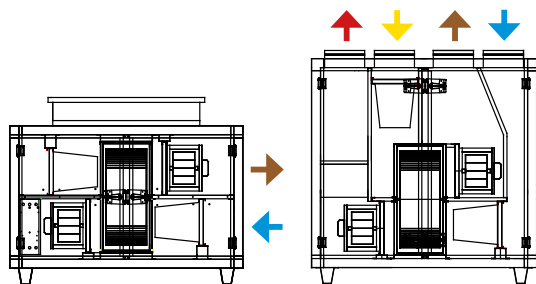
- Ecodesign Energy efficiency class A+
- Airflow range 50–550 l/s
- The heat exchanger delivers a temperature efficiency of up to 85% (EN 308)
- Demand-controlled humidity function as standard
- No drain connection required
- Made of galvanized steel
- Casing insulated with 50 mm mineral wool (can be placed in cold areas)
- ePM1 60% (F7) filter on supply air and ePM10 60% (M5) filter on extract air as standard



FRX 350 S/T

Compact unit for schools, preschools, offices and shops. Speed-controlled heat exchanger.

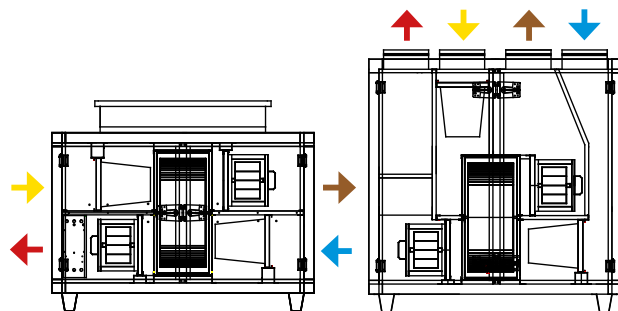
Control and regulation: Complete with control panel
 Heat recovery: Rotor
 Postheater: Electric (integrated) or water battery (integrated)
 Fans: EC



FRX 550 S/T

Compact unit for schools, preschools, shops, offices and conference rooms. Speed-controlled heat exchanger.

Control and regulation: Complete with control panel
 Heat recovery: Rotor
 Postheater: Electric (integrated) or water battery (integrated)
 Fans: EC



Model	Dimensions (mm)				Weight (kg)	Efficiency %	Max capacity l/s @ 150 Pa	Energy efficiency class ErP 2018
	L	W	H	Ø				
FRX 350 T	1400	800	1400	250	285	81	350	A+
FRX 550 T	1680	900	1500	315	355	80	550	A+
FRX 350 S	1450	800	1162	315	285	81	350	A+
FRX 550 S	1650	900	1268	400	355	80	550	A+

Fresh FRX are high-quality heat recovery units designed and made in Sweden

Choose between top and side connection. Depending on how the air is supplied, the units are available in left and right versions. The units are available in four sizes with nominal flows of 50–550 l/s (180–1980 m³/h). The FRX series is manufactured from galvanized steel. The casing is insulated with 50 mm mineral wool, enabling the unit to be placed in cold areas.

The efficient rotary heat exchanger, which delivers an efficiency of up to 85%, means minimal needs for additional heat. No drain connection required. FRX series units come complete with control panel and an ePM1 60% (F7) filter on the supply air and an ePM10 60% (M5) filter on the extract air as standard.

Versatile control options

The integrated controller has a user-friendly interface, making it easy to adapt the ventilation to different conditions and circumstances

- Weekly timer
- Temperature regulation, including constant supply air, extract air and room regulation
- Demand control by CO₂, pressure or humidity (sensors optional)
- Outdoor compensation of airflow
- Override via control panel or external signal
- Summer night cooling (free cooling at night)
- Fire-safety features
- Communication via Modbus
- Sensor readings
- Filter and rotor guards



Key to abbreviations:

FRX = Fresh Rotating heat eXchanger

S = Side connected **T** = Top connected
E = Postheater (electric) **V** = Postheater (water)
V = Supply air left **H** = Supply air right

All units are supplied with EC motors and control panel. Units with water battery are supplied with control valve, actuator and outdoor air damper with actuator and spring return.

Ventilation unit	Art no	Postheater
FRX 110 TEV	820111	Electric battery 1,0 kW
FRX 110 TEH	820112	Electric battery 1,0 kW
FRX 110 SE	820130	Electric battery 1,0 kW

FRX 200 TEV	820211	Electric battery 1,7 kW
FRX 200 TEH	820212	Electric battery 1,7 kW
FRX 200 SE	820230	Electric battery 1,8 kW

FRX 350 TEV	820311	Electric battery 5,0 kW
FRX 350 TEH	820312	Electric battery 5,0 kW
FRX 350 TVV	820321	Water battery
FRX 350 TVH	820322	Water battery
FRX 350 SEV	820331	Electric battery 5,0kW
FRX 350 SEH	820332	Electric battery 5,0kW
FRX 350 SVV	820341	Water battery
FRX 350 SVH	820342	Water battery

FRX 550 TEV	820511	Electric battery 9,0 kW
FRX 550 TEH	820512	Electric battery 9,0 kW
FRX 550 TVV	820521	Water battery
FRX 550 TVH	820522	Water battery
FRX 550 SEV	820531	Electric battery 9,0 kW
FRX 550 SEH	820532	Electric battery 9,0 kW
FRX 550 SVV	820541	Water battery
FRX 550 SVH	820542	Water battery

Filter	Art no	Description
Filter FRX 110T F7/M5	827001	Filter kit 1 st F7/ 1 st M5
Filter FRX 110S F7/M5	827007	Filter kit 1 st F7/ 1 st M5
Filter FRX 200 F7/M5	827002	Filter kit 1 st F7/ 1 st M5
Filter FRX 350 F7/M5	827003	Filter kit 1 st F7/ 1 st M5
Filter FRX 550 F7/M5	827005	Filter kit 1 st F7/ 1 st M5

Sensors	Art no	Description
CO ₂ -sensor	843196	Duct sensor without display 0-10V
Pressure sensor	843197	0-10V
Humidity sensor	843198	Room sensor 0-10V

Cooling battery kit	Art no	Description
K-350T	825003	Cooling battery, control valve, actuator
K-550S	825015	Cooling battery, control valve, actuator

FRESH Designer

Sizing

For detailed specifications, use our unit selection program, Fresh Designer, which can be downloaded for free at our website: fresh.se

All specifications and dimensions, as well as a detailed energy calculation based on LCC calculations. 3D drawings of the units are also available for use in CAD software.

fresh.eu

