Topvex SR60-R-EL7,1 M0 ODK

O-SR60-R-N-ePM1/60-RC-N-M-EL7,1-ePM10/60-AC

Item Number: 254378

Side-connected model of compact air handling units for outdoor applications

The SR family is the side-connected model of Topvex air handling units, equipped with rotary heat exchanger with capacity well over 80% offering high efficiency at minimum floor space.

The SR family is available in seven sizes with airflow range covering volume flow from 360 up to 11.000m³/h. The standardised design guarantees a fully-factory tested unit available for fast delivery, ensures easy installation and offers user-friendly Systemair Access control system.

• **Wide range of standardised units allows for short delivery times**
• **Optimal performance with minimal footprint fitting within a space of 900 mm**
• **Easy and flexible design, installation and maintenance**

The Topvex SR in size range 20, 25 and 35 are all single casing units for quick transportation into the facility and easy installation. The Topvex SR in size range 60, 70, 80 and 100 are split units that can be divided for smooth transport and quick installation. The units feature new rotor motor with EC technology and efficient rotating heat recovery wheel, with purge sector incorporated.

VDI 6022-1 certified, hygienic requirements for air handling units

The units' VDI 6022-1 certification means that it is a Hygienic air-handling unit. It also features plastic casing components meeting the ISO 846 requirements and easy to clean smooth surfaces. Manufactured in MgZn plated sheet metal with corrosion class C5, the units offer high class of corrosion resistance according to ISO 1294.

The unique frameless design of Topvex offers optimised dimension that still allows for energy efficient operation. All built-in components are selected for size optimisation in relation to the capacity they are designed for, which results in a truly compact air handling unit. The units also offer low SFP Values and provides more options for outdoor connectivity where external roof to be mounted on site will be delivered together with the unit. While constant air volume control (CAV) is standard, variable air volume control (VAV) is available as an accessory.

Built-in Access Control system

All models are equipped with Systemair Access control system with a vast range of energy optimising features which, together with the intuitive user interface in the Access NaviPad control panel, enables an easy and responsive control solution. For outdoor application, Access control system is built-in inside the unit.

The Access Control Unit provides dedicated connections for BMS, using Modbus and BACnet. The unit also has all connectors for external components clearly marked and grouped together to further reduce installation and startup time.

The Access Control system comes prepared for Systemair Connect, an easy-to-use cloud service providing a complete overview and accessibility of the installed base of air handling units.

All main components are easy to remove and the flexible design of inspection doors ensures an easy shift from one side to the other side of the unit, supporting painless installation and maintenance procedures.

There is also a wide range of accessories available including connectors, such as flanges, cooling coils or extra filtration, meaning the units can easily fulfill different customer requirements.

Technical parameters

Unit		
Frequency	50; 60	Hz
Voltage (nominal)	400	V
Phases	3N~	
Recommended fuse, unit	3x25 A	
Enclosure class	IP23	
Product type	Heat recovery unit	

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Preheater / Reheater

Input power, reheater	7.1	kW
Voltage (nominal)	400	V
Phases	3~	

Supply fan

Fan type	EC	
Voltage	400	V
Phases	3~	
Input power (P1), supply fan	1,952	W

Supply air filter

Filter class, supply air	ePM1 60%

Extract air filter

Filter class, extract air	ePM10 60%

Exchanger

Exchanger type	Rotating

Heater

Phases	3~	
Input power, heater	7.1	kW

Return fan / Extract fan

Voltage	400	V
Phases	3~	
Input power, extract fan	1,951	W

Others

Size	60
Fan control	CAV, air flow control; Stepless voltage control
Installation placement	Horizontal
Supply side	Right

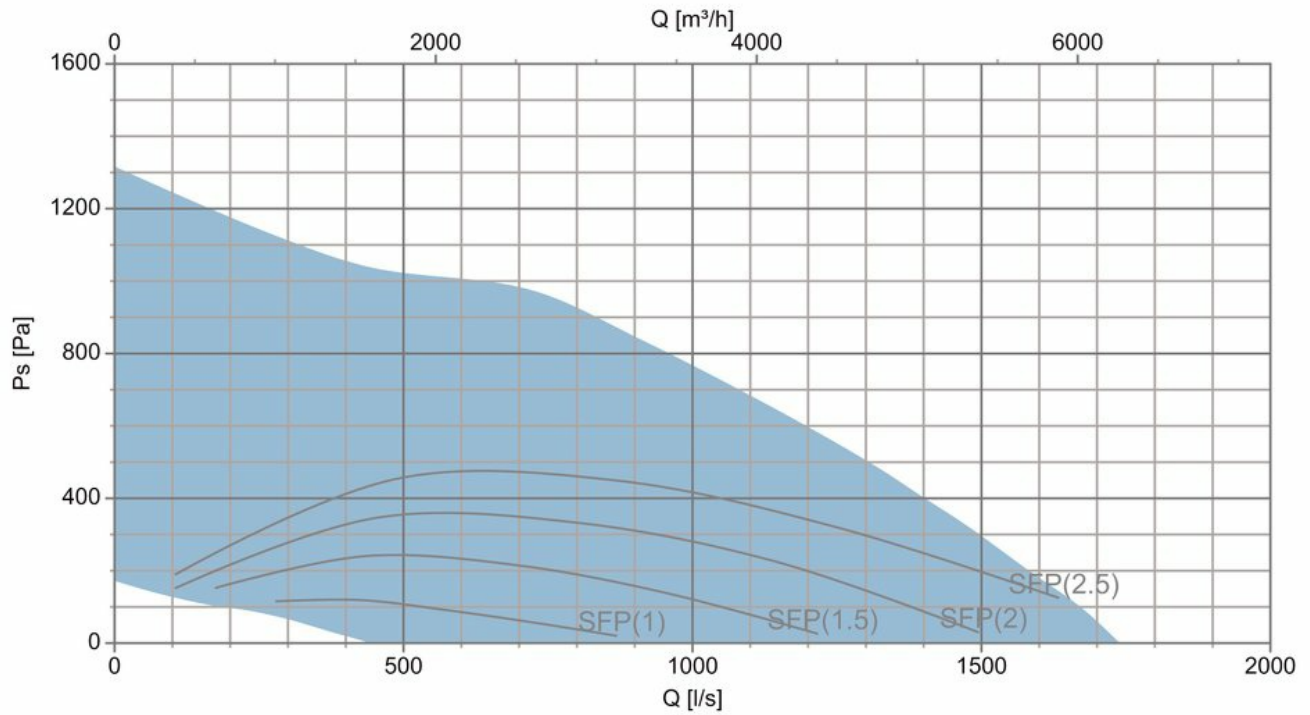### Dimensions and weights

Weight	377	kg

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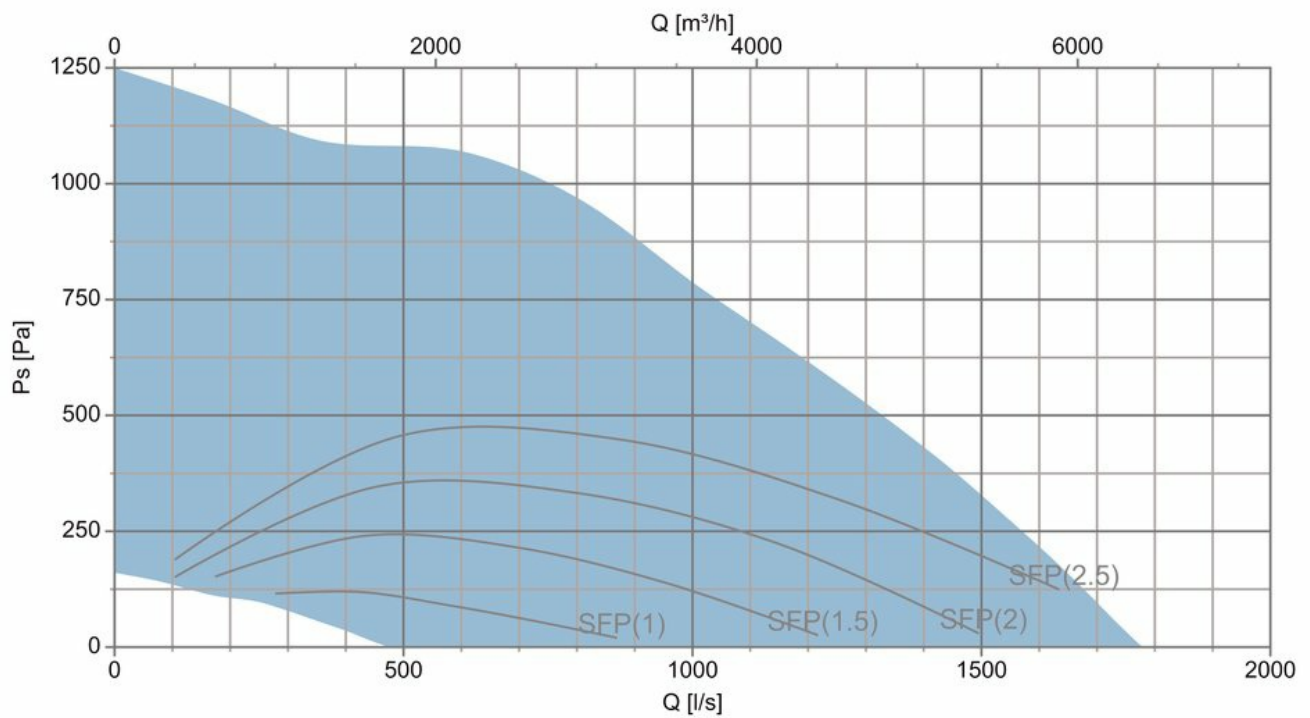
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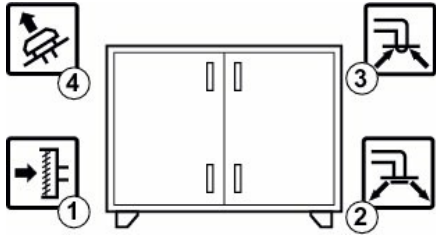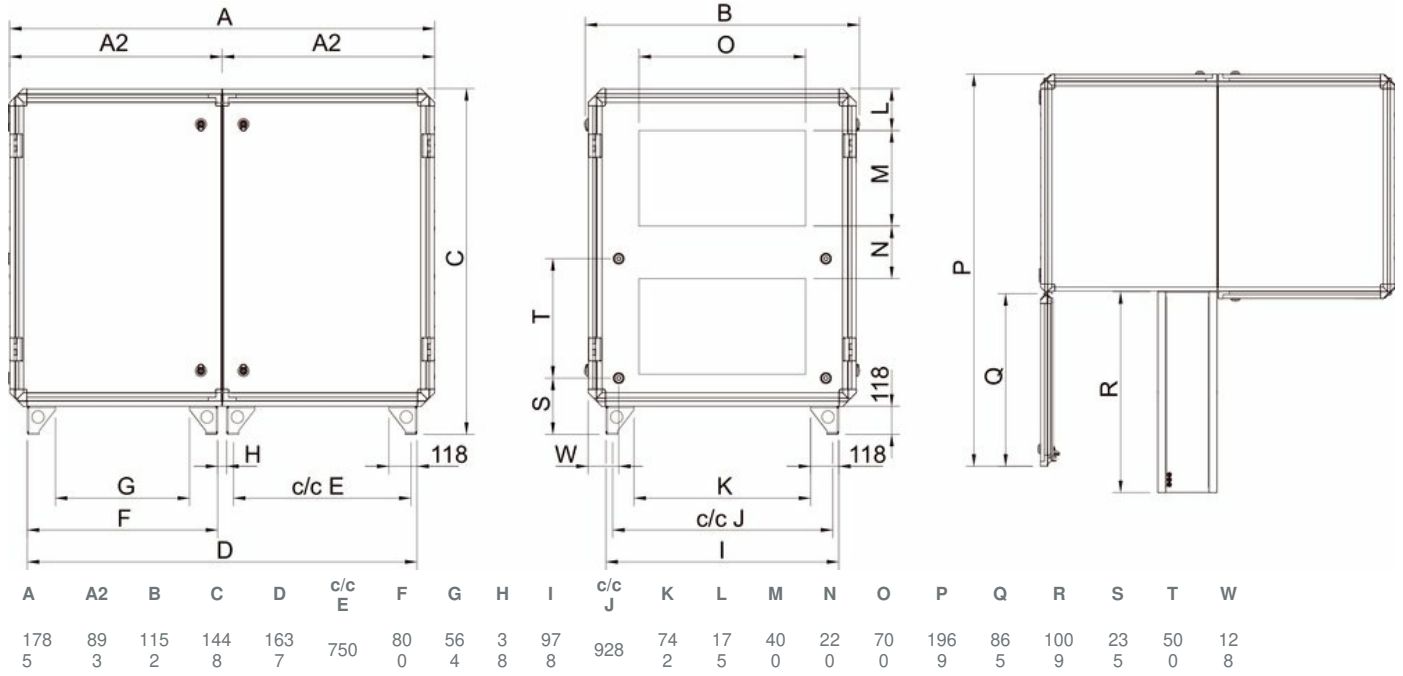
Supply

Extract

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Puravent

Dimension

A	A2	B	C	D	c/c E	F	G	H	I	c/c J	K	L	M	N	O	P	Q	R	S	T	W
1785	893	1152	1448	1637	750	800	564	38	978	928	742	175	400	220	700	1969	865	1009	235	500	128

Symbol	Description
1	Outdoor air
2	Supply air
3	Extract air
4	Exhaust air

Ecodesign

Product

Product name	Topvex SR60-R-EL7,1 M0

Ecodesign

ErP compliance	2018
Unit category	NRVU
Unit type	BVU
Drive	Integrated VSD

Other

Heat recovery type	Regenerative	
Temperature ratio	81	%
qv nom	0.8	m³/s
P nom	1.261	kW
SFPint	960	W/(m³/s)
Face velocity	1.5	m/s
Ps nom	200	Pa
Ps int. Supply	330	Pa
Ps int. Extract	282	Pa
Supply Fan efficiency	64.7	%
Extract fan efficiency	62.7	%
External Leakage	2	%
Internal Leakage	3	%
Filter energy performance	1,641	kWh
Sound power level LWA	53	dB(A)

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Accessories

- PGK 70-40-3-2,0 Duct cooler (6616)
- TG-R5/PT1000 Room sensor 0-50° (5404)
- DS 70-40 Flexible connection (1551)
- FFK 70-40 Filter cassette rect (1762)
- VBR 70-40-2 Water heating batt (5468)
- BFT SR/TR60Filter Sup ePM1 60% (248002)
- Drain pan SR60 (254280)
- HMH Tube Humidistat IP 54 (13209)
- NaviPad extension cable 10m (316350)
- Outdoor Louver/grill 700x400 (254501)
- PFT TR60/SR60 Kit Coarse 60% (282033)
- TG-KH/PT1000 Duct sensor (202705)
- Water-lock (206263)
- ZTV 15-1,0 2-way valve (9823)

- Presence detector/IR24-P (6995)
- VAV Air Volume Control (145946)
- DXRE 70-40-3-2,5 Duct cooler (7957)
- LDR 70-40 Silencer (5074)
- BFT Deltri+ SR60 Filter Ext (890766)
- BFT SR60 Filter Ext ePM10 60% (248003)
- Duct kit Topvex 70x40 (162511)
- LDR-B 70-40 Silencer, baffle (9450)
- ODK Roof kit SR60 (265486)
- PFT Panelfilter SR 60 / TR 60 (282069)
- RVAZ4 24A Actuator 0-10V (9862)
- TUNE-AHU-SE007-700x400-LF24 (79937)
- ZTR 15-1,0 valve 3-way (9672)

Documents

- ACCESS_QUICK_CONFIG_GUIDE_SW_4_0_1_05_157618_EN.PDF
- Communication Manual
- Configuration Manual
- Installation Instruction
- OPERATION_AND_MAINTENANCE_INSTRUCTION_TOPVEX_SR_TR_254051_EN_A003.PDF
- QUICK_CONFIGURATION_GUIDE_ACCESS_SW_4_0-1-04_TO_4_6-1-00_157618_EN_A008.PDF
- Systemair Connect User Guide
- Certificate VDI 6022
- Eurovent Certification Diploma Topvex
- Commissioning Record
- WD000157_EN_A004.PDF

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