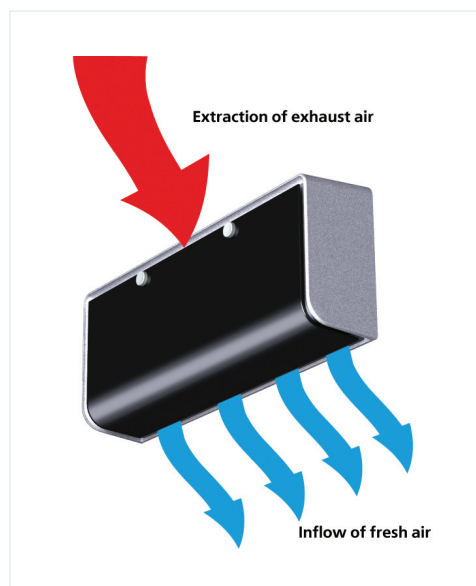


ENERGY SAVING VENTILATION

SILF – DECENTRALIZED VENTILATOR WITH HEAT RECOVERY

NEW
PRODUCT



Description

SILF ventilator is a compact air handling unit with heat recovery designed for creation of a continuous air exchange inside of small and middle-size domestic and public premises. Use of built-in heat exchanger allows using the heat from the air exhausted from the room for heating the inflowing clean air. Thanks to thermal energy saving, **SILF** ventilator may be an element of energy-saving technologies used in modern premises.

Operation

Warm air from the room is directed through a cleaning filter to the heat exchanger and, after a portion of heat is transferred to the exchanger, the air is exhausted by a centrifugal exhaust fan. Cold outer air is also directed through the cleaning filter to the heat exchanger where it absorbs a portion of heat from the exhaust air, and after that it is blown inside the room by a centrifugal inflow fan. The built-in heat exchanger allows transferring largest portion of heat from the exhaust air to the inflow air, which makes it possible to significantly cut down the costs of heating the premises and to reduce losses of heat energy in the cold period of the year. The ventilator is mounted on inner walls of the premises and is connected to air ducts of 80 mm diameter. Air exhaust and inflow may be effected both directly and through a system of air ducts.

Specification			
Speed	min	med	max
Voltage, V (-50 Hz)		1-230	
Power consumption, W	30	36	52
Consumption current, A	0,25	0,28	0,32
Air flow capacity, m ³ /h	55	65	94
r.p.m.	1250	1400	1850
Sound level 3m, dBA	24	27	36
Max temperature of transferred air, °C		-25...+50	
Case material		aluzink	
Insulation		20 mm	
Filter: exhaust		G4	
inflow		G4	
Dimensions: length, mm		845	
width, mm		340	
height, mm		170	
Diameter of connected air duct, mm		280	
Weight, kg		12	
Heat exchanger efficiency		up to 75%	
Heat exchanger type		counter-flow, plate-type	
Heat exchanger material		aluminum	

