



# RS 40-20 EC SILEO

Item no. 77062



## Description

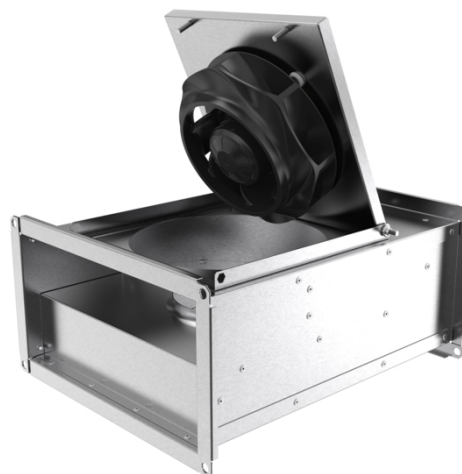
- EC-motors, high level of efficiency
- 100% speed controllable
- Integrated motor protection
- Can be installed in any position
- Potentiometer included for easy commissioning

The RSI models are thermally and acoustically insulated with 50mm mineral wool and perforated sheet steel on the inner surface. This gives a quiet running with many installation possibilities.

The RS/RSI EC series have impellers with backward-curved blades and are fitted to EC external rotor motors. These fans have a high capacity in relation to their compact design. The fans are delivered with a pre-wired potentiometer (0-10V) which allows you to easily find the desired working point.

EC fans are notable for their economical use of energy and excellent ease of control. They can be varied in speed to match the airflow demand, and operate at high efficiency levels. For the same air volume, they consume distinctly less energy than AC fan drives.

Motor protection is integrated in the electronics of the motor. The casing is manufactured from galvanized sheet steel.



## Technical parameters

Nominal data		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power (P1)	166	W
Current	1,18	A
Max. airflow	0,377	m³/s
R.p.m.	2492	r.p.m.
Weight	10,7	kg
Temperature data		
Max. temperature of transported air	60	°C
Max. temperature of transported air when speed-controlled	60	°C
Sound data		
Sound pressure level at 3 m	50,7	dB(A)
Protection / Classification		
Insulation class	B	
Enclosure class, motor	IP54	

### Get In Touch

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 Email: [info@adremit.co.uk](mailto:info@adremit.co.uk)

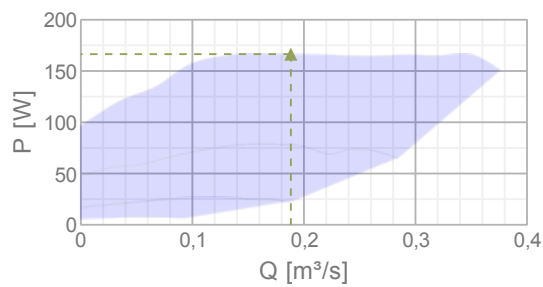
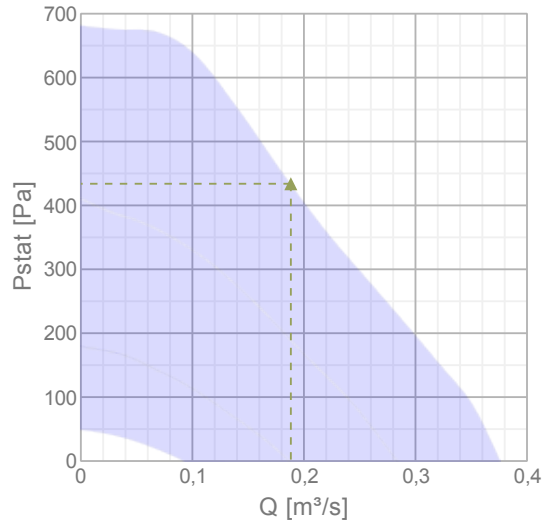
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 Settle, North Yorkshire, BD24 9RH



## Diagrams

### Diagrams



### Max efficiency

Hydraulic data											
▲ Working air flow										0,188 m <sup>3</sup> /s	
▲ Working static pressure										434 Pa	
▲ Power										166 W	
Speed										2488 r.p.m.	
Current										1,18 A	
SFP										0,884 W/(l/s)	
Voltage										230 V	
Sound power level			63	125	250	500	1k	2k	4k	8k	Tot
Inlet	dB(A)		48	60	68	62	66	61	58	54	72
Outlet	dB(A)		49	59	71	69	67	68	62	65	76
Surrounding	dB(A)		26	44	55	51	49	47	41	36	58

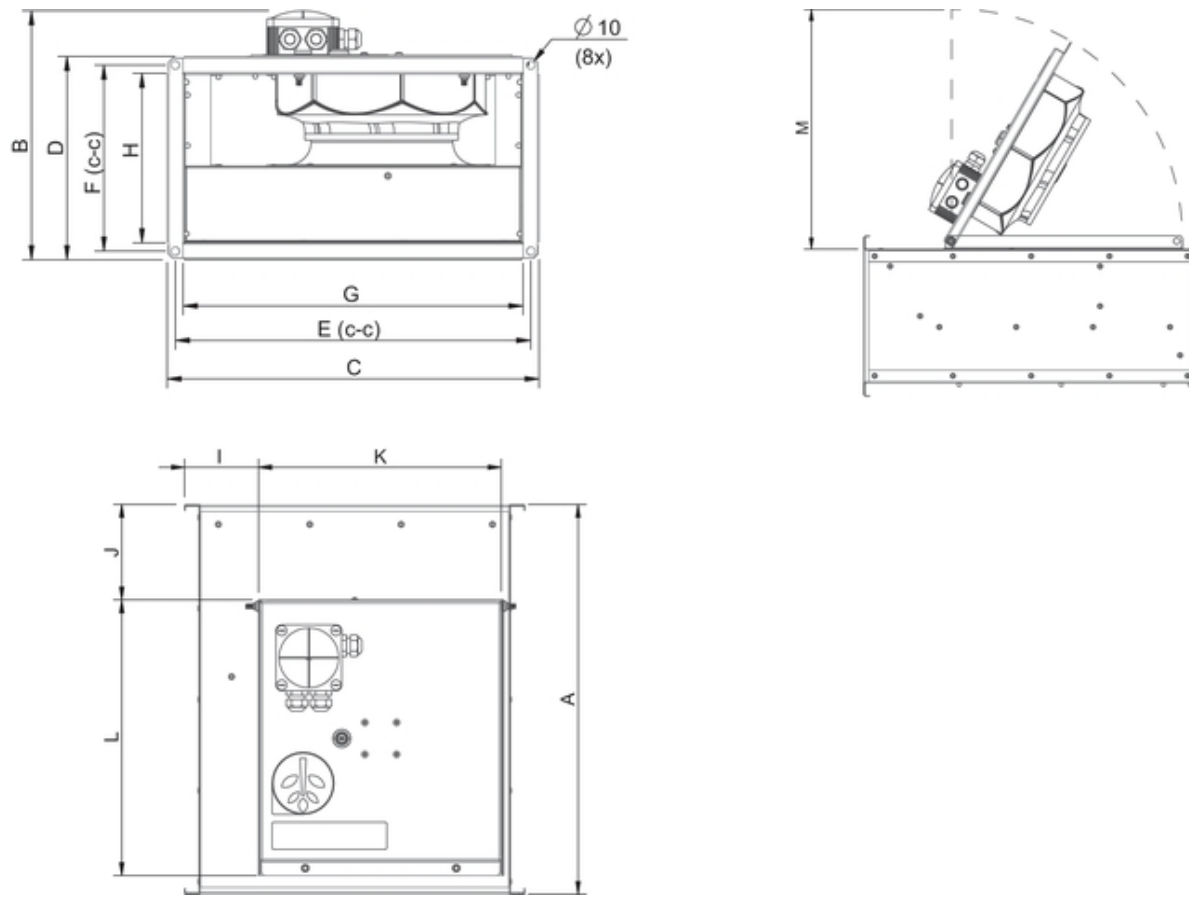
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**Dimensions**





	A	B	C	D	E	F	G	H	I	J	K	L	M
RS 40-20 EC	502	293	440	240	420	220	398	198	98	125	310	354	359

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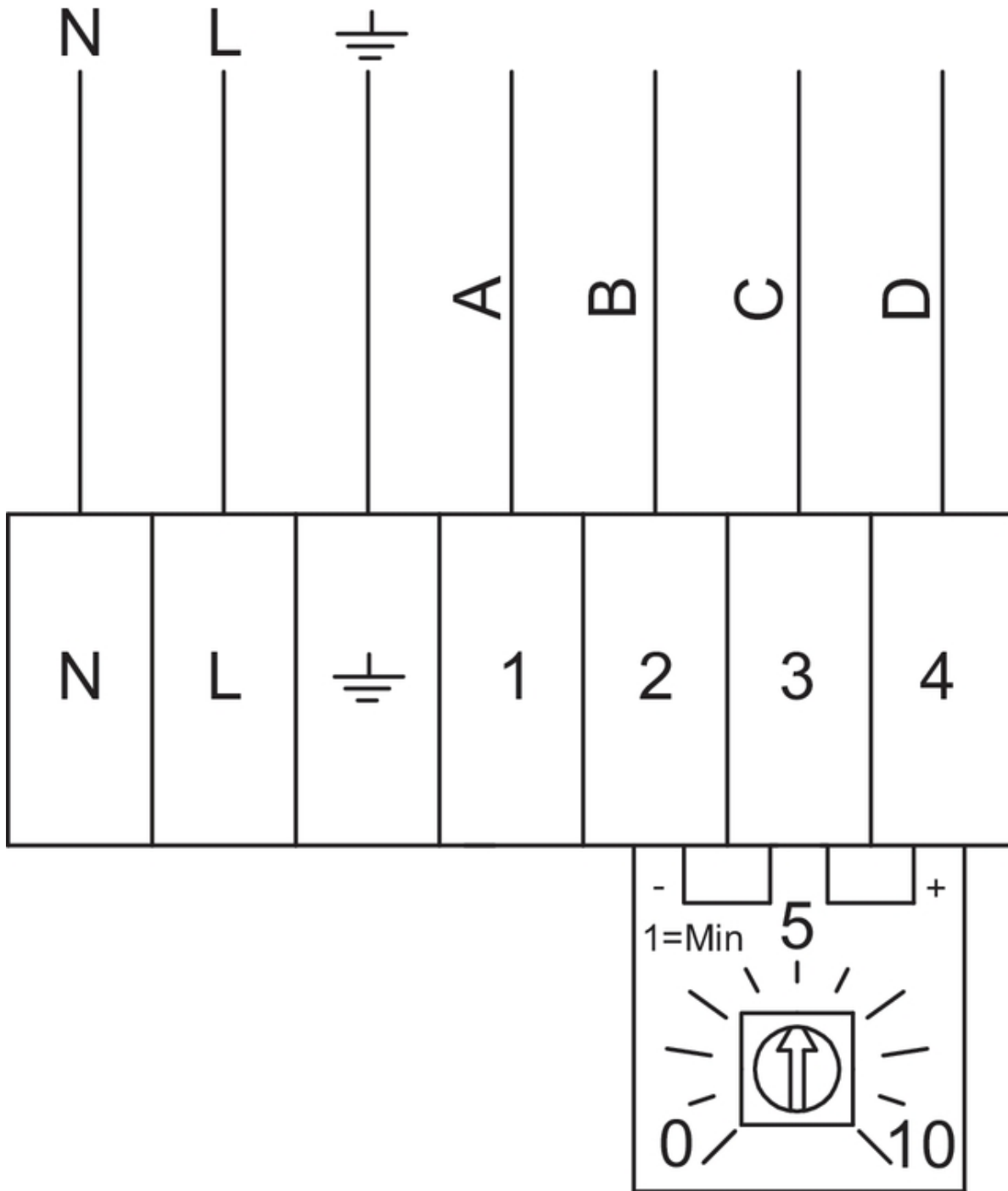
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## Wiring

# 230V 1~



Terminal	Cable	Description
1	White	Tacho output, Isink max 10mA
2	Blue	GND
3	Yellow	Control input 0-10 VDC/PWM
4	Red	Output 10 VDC max 1.1 mA



Internal potentiometer, default

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## Accessories

### Electric accessories

[RT 0-30 Room Thermostat \(5151\)](#)  
[CO2RT-R-D Transmitter \(6993\)](#)  
[Presence detector/IR24-P \(6995\)](#)  
[MTV-1/010 Controller 0..10V+ \(30650\)](#)  
[MTP 10, 10K, Speed control \(32731\)](#)  
[DTV200 \(6261\)](#)  
[EC-Vent Room Unit \(3018\)](#)  
[EC-Vent control board \(3115\)](#)  
[REV-5POL/05 ON/OFF \(33979\)](#)  
[MTP 20, on/off, 3-step \(310220\)](#)  
[EC-Basic-H humidity \(24807\)](#)  
[EC-Basic-T temperature \(24805\)](#)  
[EC-Basic-U universal 0-10V \(24806\)](#)  
[EC-Basic-CO2 and temperature \(24808\)](#)  
[S-5EC/FRQ \(76738\)](#)  
[DTV500A \(96807\)](#)

### Accessories

[RBM 40-20/9 400V/3 Duct heater \(5450\)](#)  
[PGK 40-20-3-2,0 Duct cooler \(6604\)](#)  
[VBR 40-20-2 Water heating batt \(5463\)](#)  
[VBR 40-20-4 Water heating batt \(5471\)](#)  
[LDR 40-20 Silencer \(5069\)](#)  
[FFK 40-20 Filter cassette rect \(1750\)](#)  
[DS 40-20 Flexible connection \(1539\)](#)  
[GFL 40-20 Counter flange \(2705\)](#)  
[WSG 40-20 weather prot. guard \(30589\)](#)  
[SRK 40-20 Class 3 Damper \(7020\)](#)  
[DXRE 40-20-3-2,5 Duct cooler \(7951\)](#)  
[RB 40-20/15-1 400V/3 Duct heat \(9628\)](#)  
[RB 40-20/9-1 400V/3 Duct heat. \(9627\)](#)  
[RKT-SYS-400x200-S \(43629\)](#)  
[RK-SYS-400x200-R \(43643\)](#)  
[RK-SYS-400x200-S \(43652\)](#)

## Documentation



[202341\\_Fans\\_Instructions\\_CE\\_A010.pdf \(1,83MB\)](#)



[EC-fans\\_Operation\\_and\\_maintenance\\_instr\\_206268\\_CE\\_\(A022\).pdf \(2,88MB\)](#)



[Certificate S-mark RS 1211225.pdf \(789,65kB\)](#)

## Specification text

Rectangular duct fan for easy and direct installation in ducts. For extract and supply air installations. Galvanized sheet steel housing. Service cover. The fan unit is mounted on the service cover for easy cleaning and maintenance. Free-running, backward curved circular impeller made of composite PA6. Impeller acc. to VDI 2060, balancing quality G 6.3, dynamically balanced in two planes. EC-external rotor motor, maintenance-free, the motor is placed inside the air flow for cooling. Integrated, electronic motor protection. Integrated speed controller, the fan is equipped with a potentiometer (0-10V) to set the operating point directly. Integrated, electronic motor protection. Installation in any mounting position. For indoor installation.

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