

RSI

# Rectangular duct fans



- Swing-out motor impeller for easy service
- Speed-controllable
- Integral thermal contacts
- Can be installed in any position
- Maintenance-free and reliable
- 50mm acoustic casing

## Casing

Casing manufactured from galvanised steel. 50 mm mineral wool acoustic and thermal insulation (40 kg/m<sup>3</sup>). Motors and impellers are mounted in the cover to make cleaning and maintenance easier.

## Motor

Voltage controllable external rotor motors.

## Impeller geometry

Centrifugal impeller with backward curved blades.

## Output control

Speed-controllable via voltage reduction using a transformer.

## Motor protection

Integrated thermal contacts with cables for connection to a motor protection switching device.

You can find more information in our online catalogue on [www.systemair.com](http://www.systemair.com)

## Accessories



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Flex. connection  
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Filter cassette  
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**VK**  
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**PGK**  
Duct cooler  
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**RB**  
Duct heater  
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**RBM**  
Duct heater  
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**VBR**  
Water heating battery  
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## Electrical accessories



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**REPT**  
Digital regulator  
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**RTRD / RTRDU**  
Speed control  
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**RTRE / RTRD**  
Speed control  
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**REU**  
Speed control  
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**REE**  
Speed control  
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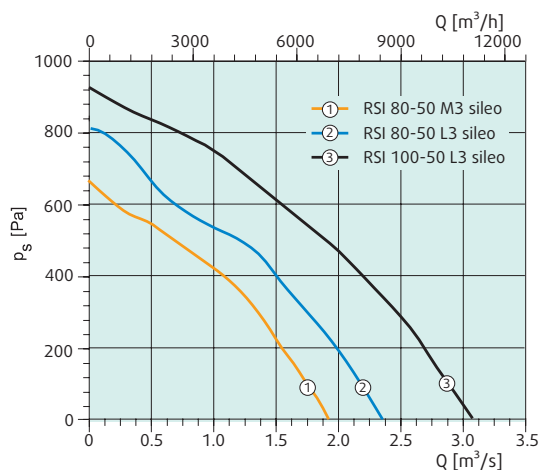
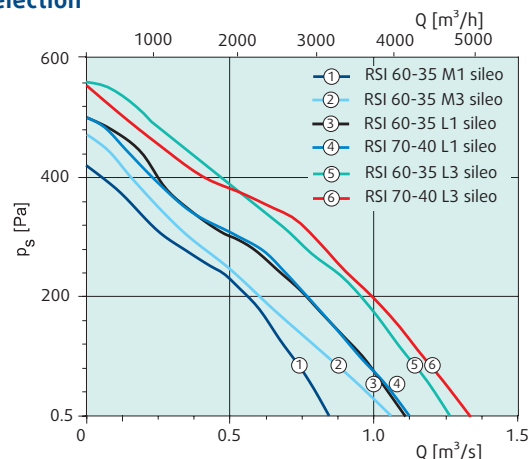


**REV**  
On/off switch  
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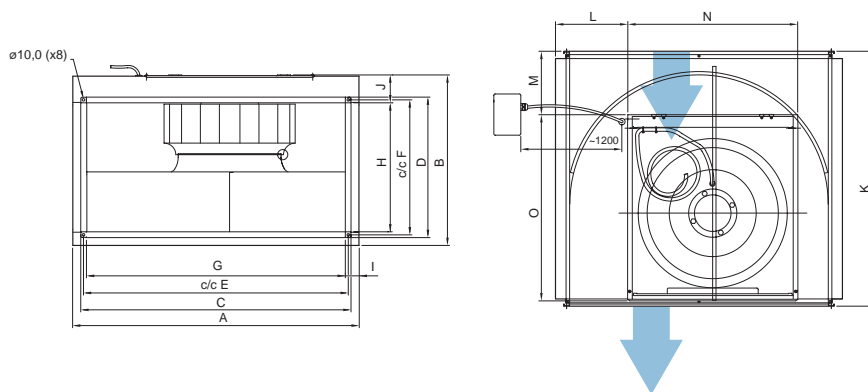


**FRQ**  
Frequency inverter  
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## Quick selection



## Dimensions



RSI	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
RSI 60-35 M1	708	492	640.5	391	620	370	598	347.5	55	92.5	717	139.5	99.5	532	597
RSI 60-35 M3	705	508	641	391	620	370	598	348	55	108	717	140	100	532	597
RSI 60-35 L1	705	508	641	391	620	370	598	348	55	108	717	140	100	532	597
RSI 60-35 L3	708	492	640.5	391	620	370	598	347.5	55	92.5	717	139.5	99.5	532	597
RSI 70-40 L1-L3	808	564	741	441	720	420	697	397	55.5	114	787	202	170	532	596
RSI 80-50 M3	908	683	841	541	820	520	797	497	55.5	133	882	195	144	656	716
RSI 80-50 L3	908	662	841	541	820	520	797	497	55.5	112.5	882	194	144.5	656	717
RSI 100-50 L3	1108	683	1041	541	1020	520	998	498	55.5	133	982	302	215	678	746

## Technical data

RSI		RSI 60-35 M1 sileo	RSI 60-35 M3 sileo	RSI 60-35 L1 sileo	RSI 60-35 L3 sileo
Art. no.		39636	79384	79387	39637
Voltage	V	1x230	3x400	1x230	3x400
Frequency	Hz	50	50	50	50
Input power (P1)	W	326	285	492	537
Current	A	1.71	0.64	2.25	1.25
Max. temperature of transported air	°C	70	70	70	70
* when speed-controlled	°C	70	70	70	70
Sound pressure level (1 m)*	dB(A)	48.4	44	48.8	48
Weight	kg	55.4	55.4	60.4	60.4
Capacitor	µF	-	-	4	-
Insulation class		F	F	F	F
Motor protection <sup>(1)</sup>		S-ET 10	STDT 16	S-ET 10	STDT 16
Speed control, five-step <sup>(1)</sup>	Transf.	RTRE 3	RTRD 2	RTRE 3	RTRD 2
Speed control, five-step high/low <sup>(1)</sup>	Transf.	REU 3 <sup>(*)</sup>	RTRDU 2	REU 3 <sup>(*)</sup>	RTRDU 2

RSI		RSI 70-40 L1 sileo	RSI 70-40 L3 sileo	RSI 80-50 M3 sileo	RSI 80-50 L3 sileo	RSI 100-50 L3 sileo
Art. no.		79389	39638	39639	39640	39641
Voltage	V	1x230	3x400	3x400	3x400	3x400
Frequency	Hz	50	50	50	50	50
Input power (P1)	W	480	542	886	1379	2210
Current	A	2.21	1.32	1.82	3.16	4.27
Max. temperature of transported air	°C	70	70	70	70	70
* when speed-controlled	°C	70	70	70	70	70
Sound pressure level (1 m)*	dB(A)	43.5	47.4	49.1	56	60.6
Weight	kg	69.2	69.2	104	114	141
Insulation class		F	F	F	F	F
Motor protection <sup>(1)</sup>		S-ET 10	STDT 16	STDT 16	STDT 16	STDT 16
Speed control, five-step <sup>(1)</sup>	Transf.	RTRE 3	RTRD 2	RTRD 2	RTRD 4	RTRD 7
Speed control, five-step high/low <sup>(1)</sup>	Transf.	REU 3 <sup>(2)</sup>	RTRDU 2	RTRDU 2	RTRDU 4	RTRDU 7

<sup>(\*)</sup> Free field conditions

<sup>(1)</sup> Systemair recommendation.

<sup>(2)</sup> + S-ET 10

## RSI EC



- Swing-out motor impeller for easy service
- With energy-saving EC-motors
- Motor protection via integrated motor electronics
- Can be installed in any position
- Low noise level, for noise-sensitive applications
- Potentiometer included for ease of commissioning

## EC Rectangular duct fans

## Casing

Casing manufactured from galvanised steel. 50 mm mineral wool acoustic and thermal insulation ( $40 \text{ kg/m}^3$ ). Motors and impellers are mounted in the cover to make cleaning and maintenance easier.

## Motor

Energy-saving, highly efficient EC external rotor motors.

## Impeller geometry

Centrifugal impeller with backward curved blades.

## Output control

100 % controllable through 0-10V signal.

## Motor protection

The motor protection is integrated in the motor electronics.

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## Accessories



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## Electrical accessories



**EC-Vent**  
Room unit  
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**MTP**  
Speed control  
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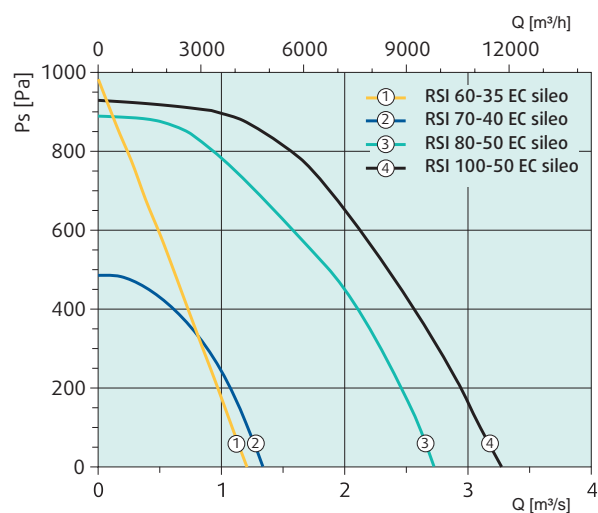


**MTV**  
Speed control  
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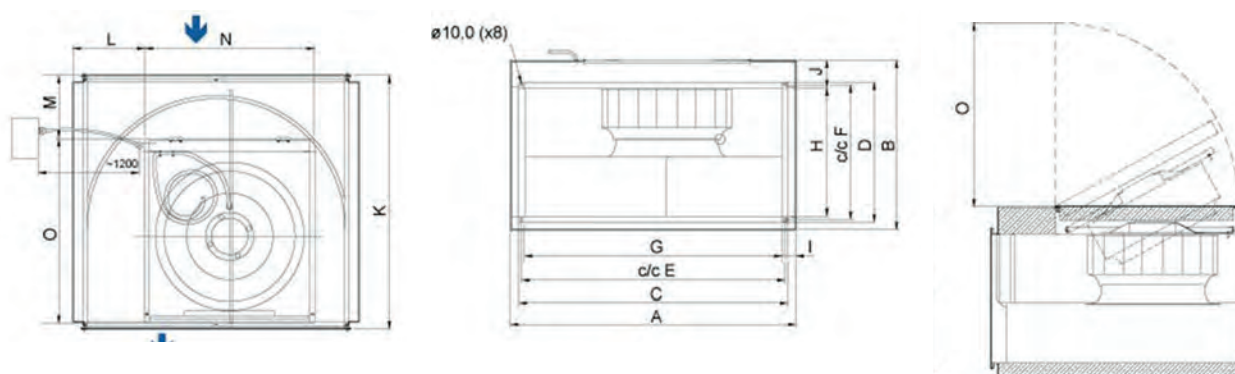


**REV**  
On/off switch  
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## Quick selection



## Dimensions



RSI EC	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
RSI 60-35 EC sileo	705	508	641	391	620	370	598	348	55	108	717	140	100	532	597
RSI 70-40 EC sileo	808	564	741	441	720	420	697	397	55.5	114	787	202	170	532	596
RSI 80-50 EC sileo	908	683	841	541	820	520	797	497	55.5	133	882	882	144	656	716
RSI 100-50 EC sileo	1108	683	1041	541	1020	520	998	498	55.5	133	982	982	215	678	746

## Technical data

RSI EC		RSI 60-35 EC sileo	RSI 70-40 EC sileo	RSI 80-50 EC sileo	RSI 100-50 EC sileo
Art. no.		77065	92933	92934	92935
Voltage	V	1x230	1x230	3x400	3x400
Frequency	Hz	50	50/60	50/60	50/60
Input power (P1)	W	524	653	1177	2075
Current	A	2.29	2.95	1.84	3.21
Max. temperature of transported air	°C	60	60	60	40
* when speed-controlled	°C	60	60	60	40
Sound pressure level (1 m)*	dB(A)	48	47.3	56.5	57.6
Weight	kg	54.2	68.5	101	136
Insulation class		F	F	F	F
Motor protection		Integral	Integral	Integral	Integral

(\*) Free field conditions