

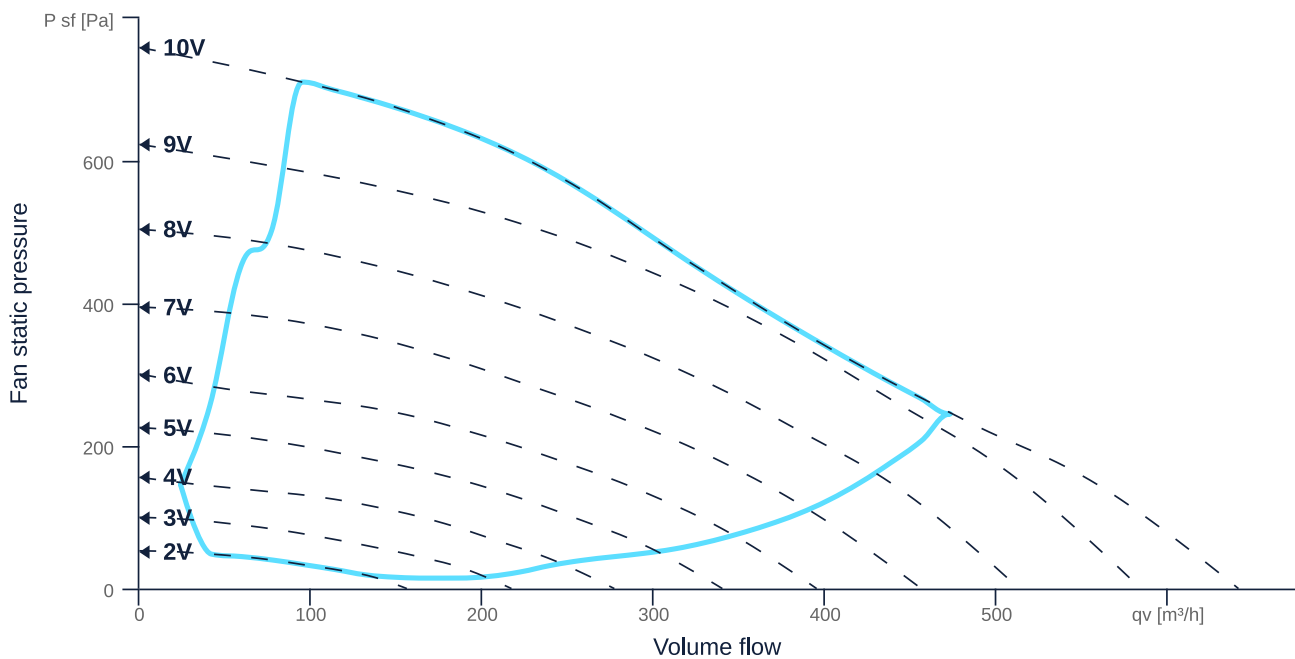
# RS 150 EC K 01

154610



- Compact radial fan
- Backward curved impeller
- Sheet steel housing, RAL 7035, powder coated
- High efficiency EC motor, steplessly controllable
- Conveying medium temperature up to 50 °C in continuous operation
- Internal electronic temperature monitoring

## MAP



## GENERAL DATA

Name	Value	Unit	Formula symbol
Duct size	-		WxH <sub>duct</sub>
Pipe connection size (DN)	DN150		DN
Electrical protection (entire device)	125 A		fuse
Housing material	Steel		mat <sub>casing</sub>
Impeller material	Plastic		mat <sub>impeller</sub>
Weight	2.95	kg	m
Nominal air flow rate, nominal point	190.8	m³/s	qv <sub>nom</sub>
Nominal external pressure, static	633.5	Pa	p <sub>ext</sub>
Fan type	Radial		Fan <sub>type</sub>
Category / Installation situation	B		cat
Sound insulation	No		snd <sub>ins</sub>
Rated voltage (entire device)	230	V	U <sub>rated</sub>
Phases (entire device)	1~		phase



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## MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	116	116	W	$P_{ed, max}$
Max. operating current (device)	0.98	0.98	A	$I_{ed, max}$
Max. speed	3980	3980	1/min	$n_{max}$
Max. stat. efficiency	35.3	35.3	%	$\eta_{es}$
Max. fan efficiency	36.3	36.3	%	$\eta_e$
Max. flowrate	640	640	m <sup>3</sup> /h	$q_{v, max}$
Max. stat pressure	760	760	Pa	$p_{st, max}$
Max. medium temperature	50	50	°C	$T_{m, max}$
Max. environment temperature	50	50	°C	$T_{amb, max}$
Min. environment temperature	-30	-30	°C	$T_{amb, min}$

## MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)	50.000000			f
Motor type	EC			phase
Control type	stepless-controlled			ctrltype
Installation	ORM (Out)			install
Rotation direction	right			rotation
Isolation class	ISO F			ISOclass
Motor-protection	TEC			protectmotor
Protection class	IP54			IPmotor
Is pole-changeable	No			polexch
Type of power supply	AC 1~			pwrSUPmotor
Min. temperature	-30		°C	$T_{motor, min}$
Cos Phi	0.560000	0.000000		cos $\varphi$

## PRODUCT INFORMATION

Name	Value	Unit	Formula symbol
Category / Installation situation	B		cat
Fan type	Radial		Fan <sub>type</sub>



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