

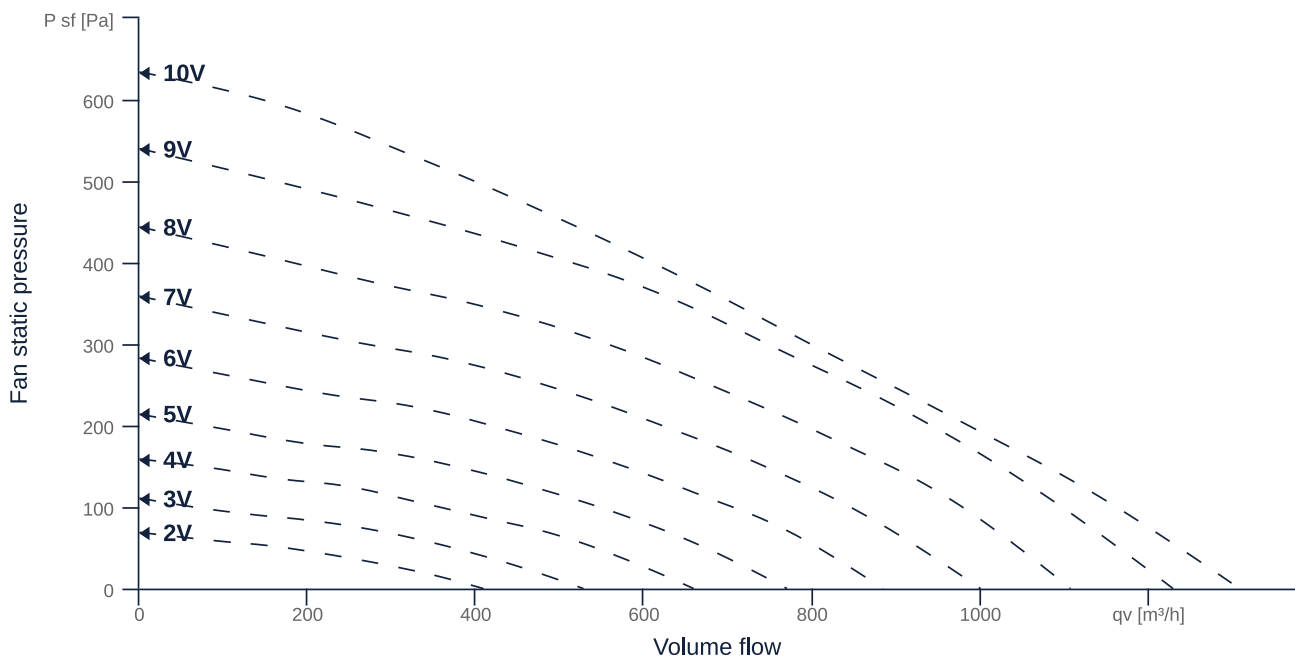
# RS 250L EC K 01

158247

- Compact radial fan
- Backward curved impeller
- Sheet steel housing, RAL 7035, powder coated
- High efficiency EC motor, steplessly controllable
- Conveyed 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)	DN250		DN
Electrical protection (entire device)	20 A		fuse
Housing material	Steel		mat <sub>casing</sub>
Impeller material	Plastic		mat <sub>impeller</sub>
Weight	4.22	kg	m
Nominal air flow rate, nominal point m³/h	648	m³/s	qv <sub>nom</sub>
Nominal external pressure, static	381.6	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



zur Produktseite

# RS 250L EC K 01

158247

ruck

## MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	165	165	W	$P_{ed, max}$
Max. operating current (device)	1.37	1.37	A	$I_{ed, max}$
Max. speed	2800	2800	1/min	$n_{max}$
Max. stat. efficiency	41	41	%	$\eta_{es}$
Max. fan efficiency	41.9	41.9	%	$\eta_e$
Max. flowrate	1310	1310	m <sup>3</sup> /h	$Q_{v, max}$
Max. stat pressure	630	630	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
Rated voltage	230		V	$U_{rated, f1}$
Rated current	1.2		A	$I_{rated, f1}$
Shaft power	165		W	$P_{out, f1}$
Speed	2600		1/min	$n_{f1}$
Efficiency	46.9		%	$\eta_{m, f1}$
Min. temperature	-30		°C	$T_{motor, min}$
Cos Phi	0.600000	0.000000		$\cos \varphi$

## PRODUCT INFORMATION

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



zur Produktseite