

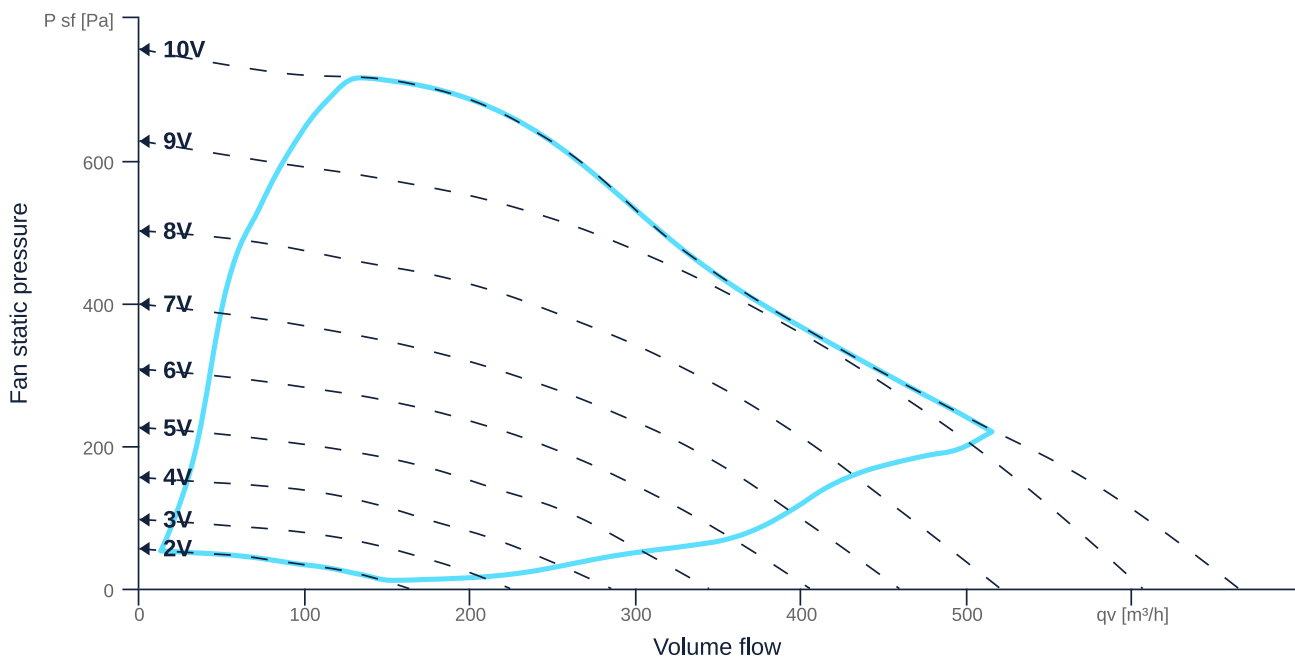
RS 160 EC K 01

154640



- 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 _{duct}
Pipe connection size (DN)	DN160		DN
Electrical protection (entire device)	20 A		fuse
Housing material	Steel		mat _{casing}
Impeller material	Plastic		mat _{impeller}
Weight	2.92	kg	m
Nominal air flow rate, nominal point	316.8	m³/s	qv _{nom}
Nominal external pressure, static	459.7	Pa	p _{ext}
Fan type	Radial		Fan _{type}
Category / Installation situation	B		cat
Sound insulation	No		snd _{ins}
Rated voltage (entire device)	230	V	U _{rated}
Phases (entire device)	1~		phase



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MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	113	113	W	$P_{ed, max}$
Max. operating current (device)	0.98	0.98	A	$I_{ed, max}$
Max. speed	3970	3970	1/min	n_{max}
Max. stat. efficiency	38.5	38.5	%	η_{es}
Max. fan efficiency	39.4	39.4	%	η_e
Max. flowrate	660	660	m ³ /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	-20	-20	°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 φ

PRODUCT INFORMATION

Name	Value	Unit	Formula symbol
Category / Installation situation	B		cat
Fan type	Radial		Fan _{type}



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