

RS 125 EC K 01

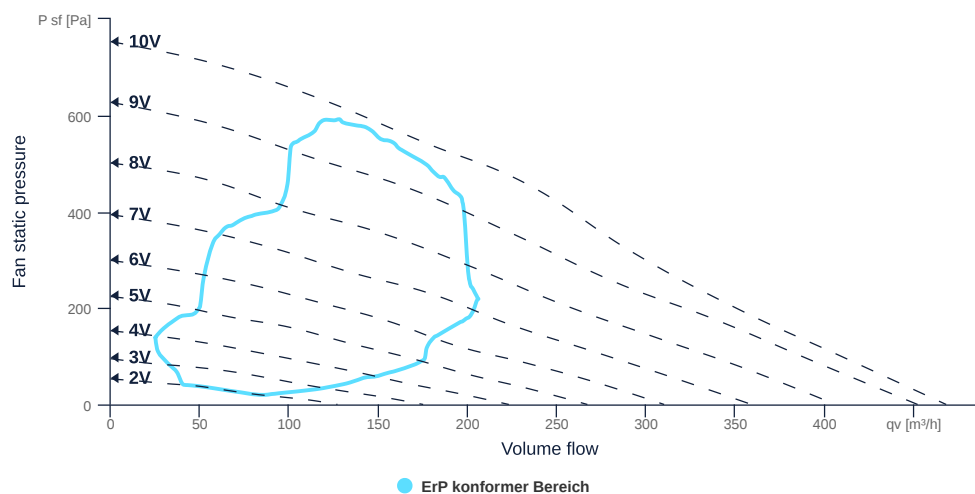
154570

- Compact centrifugal 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



FAN CURVES

Name	Value	Unit
Volume flow	0	m³/h
Pressure	0	Pa



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GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		WxHduct
Pipe connection size (DN)	DN125		DN
Rated voltage (entire device)	230	V	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Steel		matcasing
Impeller material	Plastic		matimpeller
IP-protection class (casing)	IPX4		IP _{casing}
IP-protection class (entire device)	IPX4		IP _{compl}
IP-Protection class (terminal box)	IP44		IP _{ebox}
Weight	2.57	kg	m
Nominal air flow rate, nominal point m ³ /h	205.2	m ³ /h	q _{v,nom}
Nominal external pressure, static	219	Pa	p _{s,nom}
Fan type	Radial		F _{antype}
Category / Installation situation	A		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol	
Nominal air flow rate, nominal point m ³ /s		0.06	m ³ /s	q _{v,nom}
Actual electrical input power, nominal point		0.05	kW	P _{e,nom}
Face velocity, nominal point		4.66	m/s	v _{nom}
Nominal external pressure, static		219	Pa	p _{s,nom}
static efficiency of the extract fan, nominal point		23.76	%	η _{es,EHA}
Highest external air leakage rate		0.79	%	
Enclosure sound level, nominal point		60.72	dba	LWA2
Rating	Product is compliant 2018			



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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)	0.92	0.92	A	$I_{ed, max}$
Max. speed	4000	4000	1/min	n_{max}
Max. stat. efficiency	26.6	26.6	%	η_{es}
Max. fan efficiency	27.1	27.1	%	η_e
Max. flowrate	470	470	m ³ /h	Q_v, max
Max. stat pressure	750	750	Pa	$p_{sf, max}$
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		f
Motor type		EC		phase
Control type		stepless-controlled		ctrltype
Installation type		ORM (Out)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TEC		protect _{motor}
Protection class		IP54		IP _{motor}
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwr _{sup} _{motor}
Min. temperature		-30	°C	$T_{motor, min}$
Cos Phi	0.560000	0.000000		cos φ
UL-Certification motor		None		ULcert



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