

# RS 250L 10

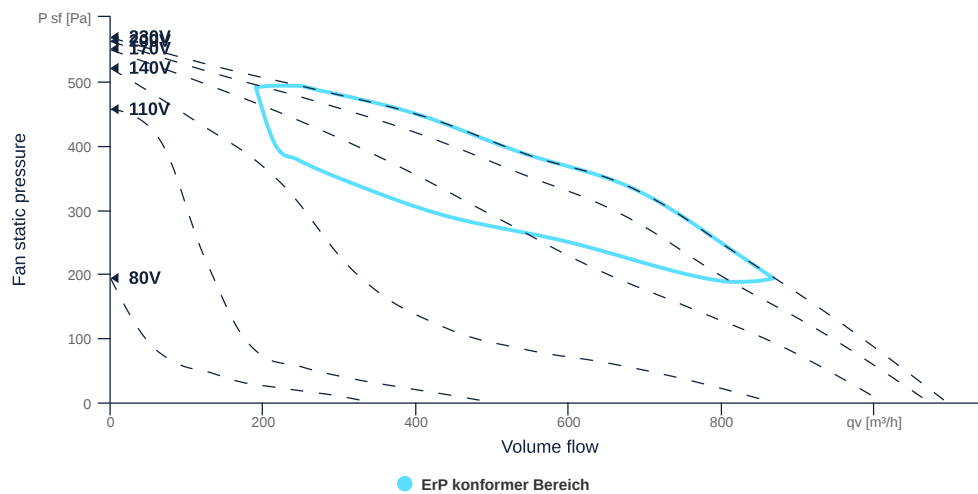
136398

- Compact centrifugal fan
- Backward curved impeller
- Sheet steel housing, RAL 7035, powder coated
- Robust single phase AC motor, steplessly controllable
- Conveyed medium temperature up to 70 °C in continuous operation
- Integrated thermal switch



## 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)	DN250		DN
Rated voltage (entire device)	230	V	U <sub>rated</sub>
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 <sub>casing</sub>
IP-protection class (entire device)	IPX4		IP <sub>compl</sub>
IP-Protection class (terminal box)	IP44		IP <sub>ebox</sub>
Weight	5.1	kg	m
Nominal air flow rate, nominal point m <sup>3</sup> /h	831.6	m <sup>3</sup> /h	q <sub>v,nom</sub>
Nominal external pressure, static	221	Pa	p <sub>s,nom</sub>
Fan type	Radial		F <sub>antype</sub>
Category / Installation situation	A		cat

## ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m <sup>3</sup> /s		0.23	m <sup>3</sup> /s
Actual electrical input power, nominal point		0.16	kW
Face velocity, nominal point		4.7	m/s
Nominal external pressure, static		221	Pa
supply air fan static efficiency, nominal point		43.3	%
Highest external air leakage rate		0.29	%
Enclosure sound level, nominal point		62	dba
Rating	Product is compliant 2018		



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## MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	161	239	W	$P_{ed, max}$
Max. operating current (device)	0.88	1.11	A	$I_{ed, max}$
Max. speed	2910	3440	1/min	$n_{max}$
Max. stat. efficiency	37.5	34.2	%	$\eta_{es}$
Max. fan efficiency	38.3	34.7	%	$\eta_e$
Max. flowrate	1090	1260	m <sup>3</sup> /h	$q_v, max$
Max. stat pressure	570	790	Pa	$p_{sf, max}$
Max. medium temperature	70	45	°C	$T_m, max$
Max. environment temperature	70	45	°C	$T_{amb, max}$
Min. environment temperature	-25	-25	°C	$T_{amb, min}$
Min. voltage	80	80	V	$U_{min}$

## MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		AC 1~		phase
Control type		stepless-controlled		ctrltype
Installation type		ORM (Out)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TMI		protectmotor
Protection class		IP33		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		5	µF	Ccond
Voltage capacitor		400	V	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230		V	$U_{rated, f1}$
Rated current	0.7		A	$I_{rated, f1}$
Speed	2685		1/min	$n_{f1}$
Min. temperature	-30		°C	$T_{motor, min}$
UL-Certification motor		None		ULcert



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