

RS 250

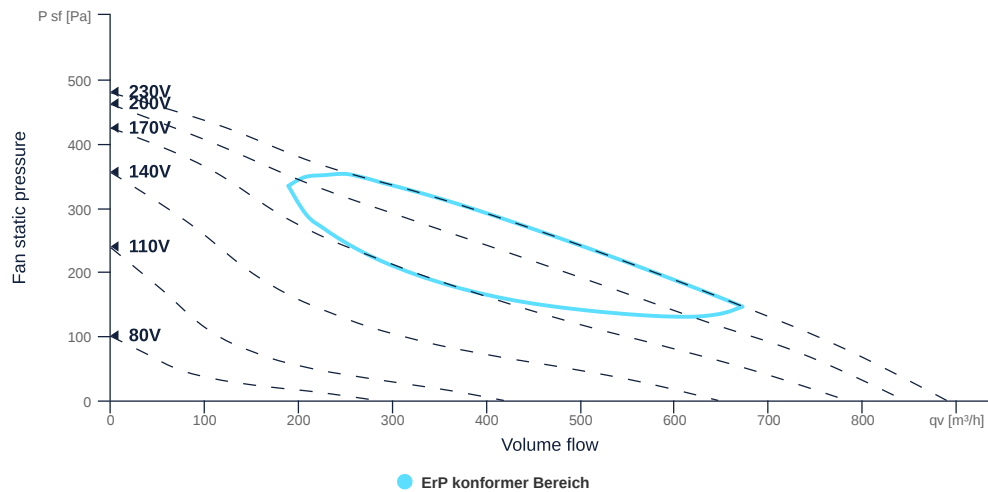
104213

- 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 60 °C in continuous operation
- Integrated thermal switch



FAN CURVES

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



to the product detail page

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 _{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	4.08	kg	m
Nominal air flow rate, nominal point m ³ /h	608.4	m ³ /h	q _{v,nom}
Nominal external pressure, static	181	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	0.17	m ³ /s	q _{v,nom}
Actual electrical input power, nominal point	0.1	kW	P _{e,nom}
Face velocity, nominal point	3.44	m/s	v _{nom}
Nominal external pressure, static	181	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	30.3	%	η _{es,SUP}
Highest external air leakage rate	0.31	%	
Enclosure sound level, nominal point	62	dba	L _{WA2}
Rating	Product is compliant 2018		



to the product detail page

MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	100	132	W	$P_{ed, max}$
Max. operating current (device)	0.46	0.6	A	$I_{ed, max}$
Max. speed	2720	3120	1/min	n_{max}
Max. stat. efficiency	30.3	25.7	%	η_{es}
Max. fan efficiency	30.9	26.1	%	η_e
Max. flowrate	890	970	m ³ /h	$q_{v, max}$
Max. stat pressure	480	620	Pa	$p_{sf, max}$
Max. medium temperature	60	80	°C	$T_{m, max}$
Max. environment temperature	60	80	°C	$T_{amb, max}$
Min. environment temperature	-25	-25	°C	$T_{amb, min}$
Min. voltage	80	80	V	U_{min}
Stall current	0.77	0.77	A	I_{LRA}

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		TAI		protectmotor
Protection class		IP33		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		2.5	μF	Ccond
Voltage capacitor		450	V	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230		V	$U_{rated, f1}$
Rated current	0.43		A	$I_{rated, f1}$
Speed	2390		1/min	n_{f1}
Efficiency	47.3		%	$\eta_{m, f1}$
Min. temperature	-30		°C	$T_{motor, min}$
Cos Phi	0.980000	0.000000		cos φ
UL-Certification motor		None		ULcert



to the product detail page