

# RS 315 10

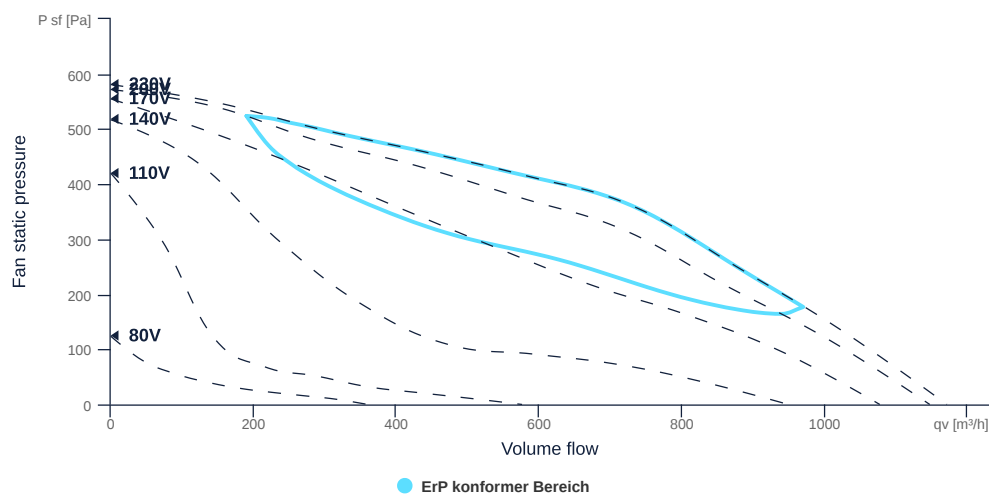
136400

- 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)	DN315		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		IPcasing
Weight	5.7	kg	m
Nominal air flow rate, nominal point m <sup>3</sup> /h	968.4	m <sup>3</sup> /h	q <sub>v,nom</sub>
Nominal external pressure, static	175	Pa	p <sub>s,nom</sub>
Fan type	Radial		Fantype
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	0.27	m <sup>3</sup> /s	q <sub>v,nom</sub>
Actual electrical input power, nominal point	0.15	kW	P <sub>e,nom</sub>
Face velocity, nominal point	3.46	m/s	v <sub>nom</sub>
Nominal external pressure, static	175	Pa	p <sub>s,nom</sub>
supply air fan static efficiency, nominal point	43.3	%	η <sub>es,SUP</sub>
Highest external air leakage rate	0.13	%	
Enclosure sound level, nominal point	60	dba	L <sub>WA2</sub>
Rating	Product is compliant 2018		



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## MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	162	238	W	$P_{ed, max}$
Max. operating current (device)	0.89	1.12	A	$I_{ed, max}$
Max. speed	2890	3410	1/min	$n_{max}$
Max. stat. efficiency	42	35.6	%	$\eta_{es}$
Max. fan efficiency	42.5	35.8	%	$\eta_e$
Max. flowrate	1170	1330	m <sup>3</sup> /h	$q_{v, max}$
Max. stat pressure	580	800	Pa	$p_{sf, max}$
Max. medium temperature	70	40	°C	$T_{m, max}$
Max. environment temperature	70	40	°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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