

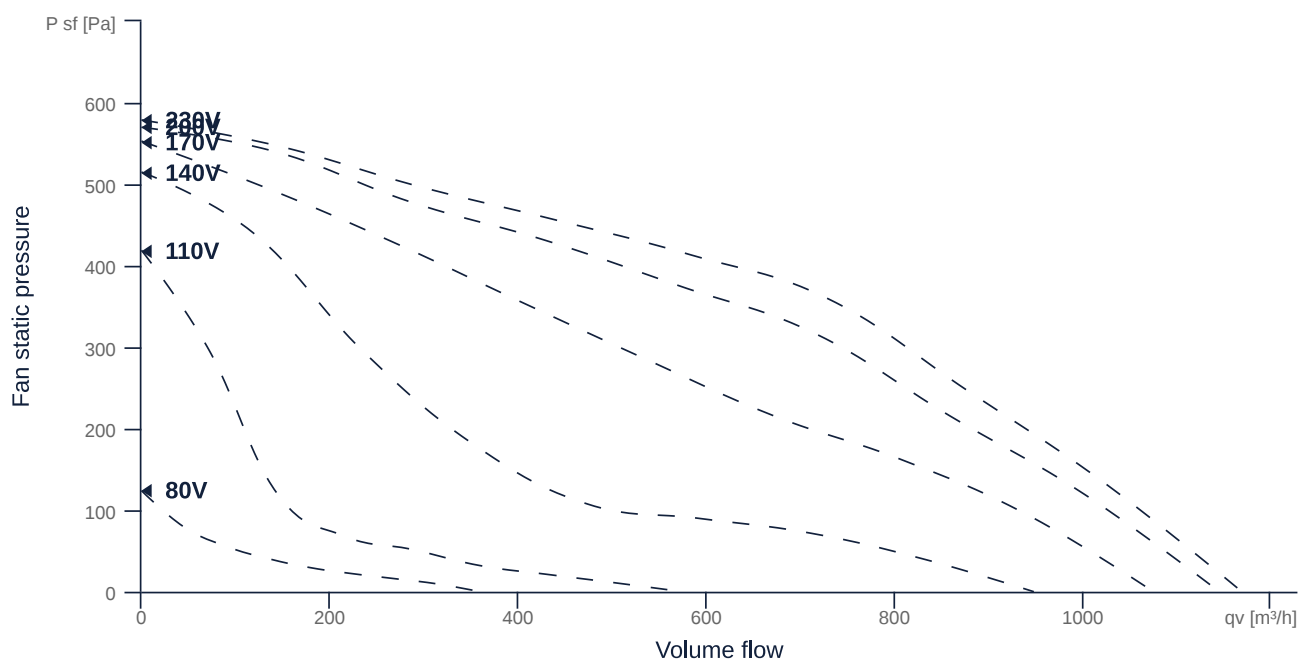
# RS 315 10

136400

- Compact radial 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



## MAP



## GENERAL DATA

Name	Value	Unit	Formula symbol
Duct size	-		$W \times H_{duct}$
Pipe connection size (DN)	DN315		DN
Electrical protection (entire device)	20 A		fuse
Housing material	Steel		matcasing
Impeller material	Plastic		matimpeller
Weight	5.7	kg	m
Nominal air flow rate, nominal point m³/h	968.4	m³/s	$q_{Vnom}$
Nominal external pressure, static	175	Pa	$p_{ext}$
Fan type	Radial		Fan <sub>type</sub>
Category / Installation situation	A		cat
Sound insulation	No		sndins
Rated voltage (entire device)	230.000000		$U_{rated}$
Phases (entire device)	1~		phase

## 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)	50.000000			f
Motor type	AC 1~			phase
Control type	stepless-controlled			ctrltype
Installation	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 condenser	5		µF	Ccond
Voltage condenser	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	$T_{motor, min}$
Cos Phi	0.000000	0.000000		cos $\varphi$

