

RS 150 10

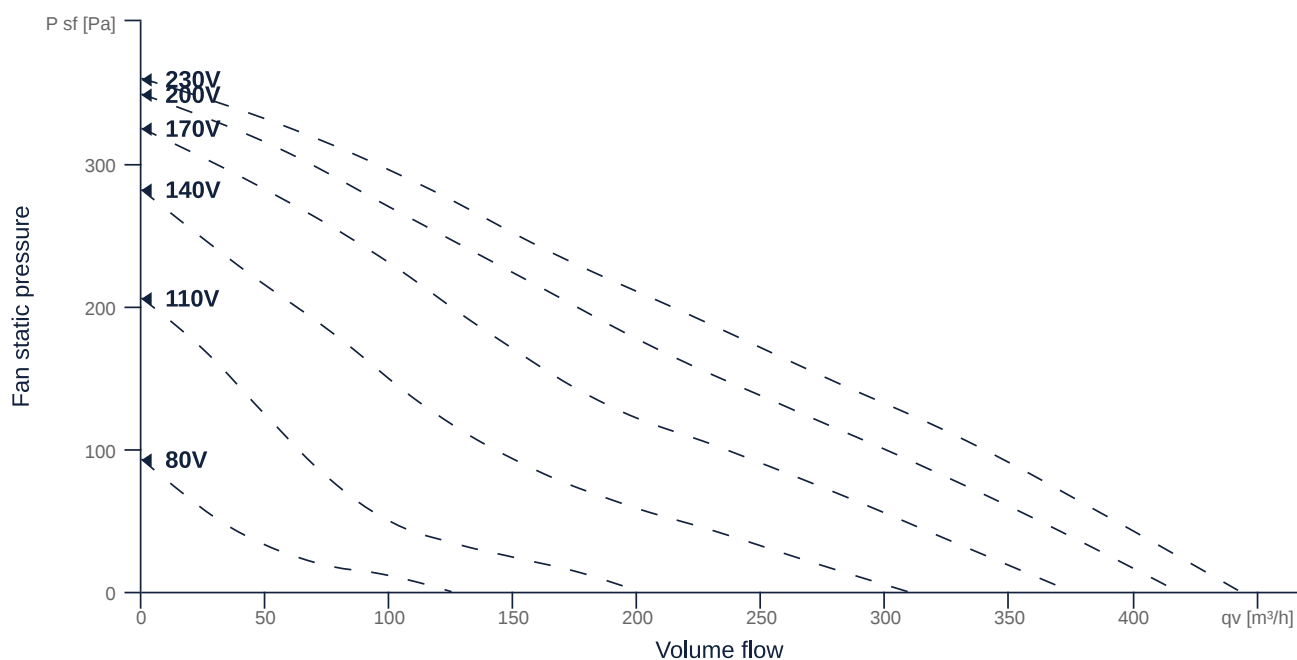
134984

ruck

- 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



RS 150 10

134984

ruck

GENERAL DATA

Name	Value	Unit	Formula symbol
Duct size	-		WxH _{duct}
Pipe connection size (DN)	DN150		DN
Electrical protection (entire device)	20 A		fuse
Housing material	Steel		mat _{casing}
Impeller material	Plastic		mat _{impeller}
IP-protection class (entire device)	IPX4		IP _{compl}
IP-Protection class terminal box	IP44		IP _{ebox}
Weight	3.15	kg	m
Nominal air flow rate, nominal point m³/h	248.4	m³/s	q _{Vnom}
Nominal external pressure, static	171	Pa	p _{ext}
Fan type	Radial		Fan _{type}
Category / Installation situation	A		cat
Sound insulation	No		snd _{ins}
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)	48	62	W	P _{ed, max}
Max. operating current (device)	0.29	0.36	A	I _{ed, max}
Max. speed	2760	3200	1/min	n _{max}
Max. stat. efficiency	24.1	22.8	%	η _{es}
Max. fan efficiency	24.8	23.4	%	η _e
Max. flowrate	440	480	m³/h	q _{v, max}
Max. stat pressure	360	480	Pa	p _{sf, max}
Max. medium temperature	70	70	°C	T _{m, max}
Max. environment temperature	70	70	°C	T _{amb, max}
Min. environment temperature	-25	-25	°C	T _{amb, min}
Min. voltage	80	80	V	U _{min}
Stall current	0.37	0.37	A	I _{LRA}

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		2	μF	Ccond
Voltage condenser		400	V	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230		V	U _{rated, f1}
Rated current	0.23		A	I _{rated, f1}
Speed	2373		1/min	n _{f1}
Efficiency	27.7		%	η _{m, f1}
Min. temperature	-30		°C	T _{motor, min}
Cos Phi	0.990000	0.000000		cos φ

PRODUCT INFORMATION

Name	Value	Unit	Formula symbol
Category / Installation situation	A		cat
Fan type	Radial		Fan _{type}

SCHALTPLÄNE / MASSZEICHNUNGEN

