

RS 150 10

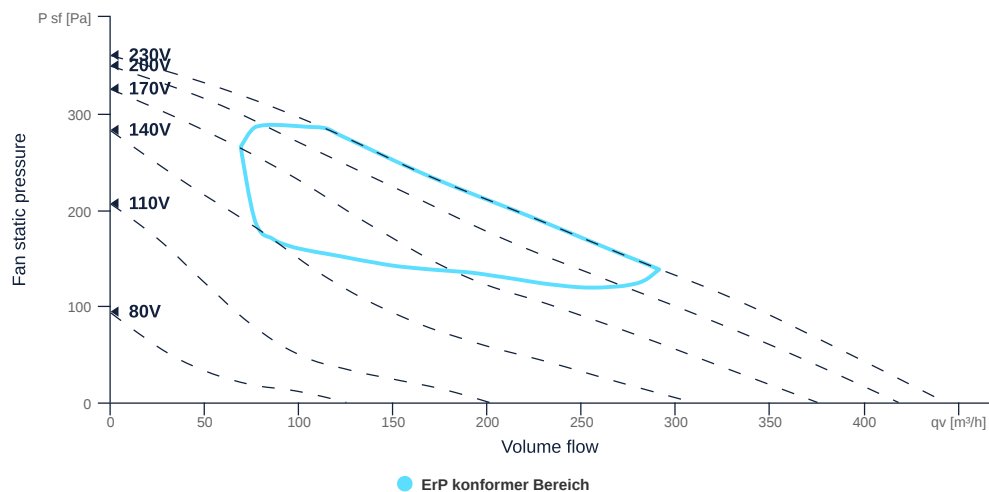
134984

- 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



to the product detail page

GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		WxHduct
Pipe connection size (DN)	DN150		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	3.15	kg	m
Nominal air flow rate, nominal point m ³ /h	248.4	m ³ /h	q _{v,nom}
Nominal external pressure, static	171	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		0.07	m ³ /s
Actual electrical input power, nominal point		0.05	kW
Face velocity, nominal point		3.9	m/s
Nominal external pressure, static		171	Pa
supply air fan static efficiency, nominal point		49.9	%
Highest external air leakage rate		1.27	%
Enclosure sound level, nominal point		51	dba
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)	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	m ³ /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		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		2	μF	Ccond
Voltage capacitor		400	V	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230		V	$U_{rated, f1}$
Rated current	0.23		A	$I_{rated, f1}$
Speed	2373		1/min	n_{f1}
Efficiency	27.7		%	$\eta_{m, f1}$
Min. temperature	-30		°C	$T_{motor, min}$
Cos Phi	0.990000	0.000000		cos φ
UL-Certification motor		None		ULcert



to the product detail page