

ISOR 200 EC K 01

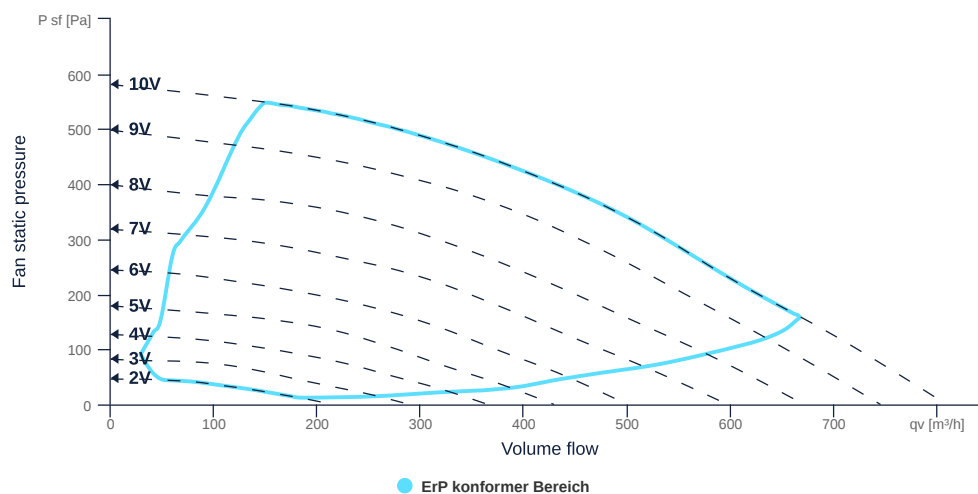
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- Soundproof centrifugal fan with backward curved impeller
- Galvanized sheet steel housing
- Connection spigots with double lip seal
- Swing-out fan unit
- EC motor, external rotor, steplessly controllable
- Internal electronic temperature monitoring
- Suitable for outdoor installation



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	-		WxH _{duct}
Pipe connection size (DN)	DN200		DN
Rated voltage (entire device)	230	V	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Galvanized steel		mat _{casing}
Impeller material	Plastic		mat _{impeller}
IP-protection class (entire device)	IP54		IP _{compl}
IP-Protection class (terminal box)	IP66		IP _{ebox}
Weight	17.55	kg	m
Nominal air flow rate, nominal point m ³ /h	666	m ³ /h	q _{v,nom}
Nominal external pressure, static	158	Pa	p _{s,nom}
Fan type	Radial		Fan _{type}
Category / Installation situation	A		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m ³ /s	0.19	m ³ /s	q _{v,nom}
Actual electrical input power, nominal point	0.1	kW	P _{e,nom}
Face velocity, nominal point	5.9	m/s	v _{nom}
Nominal external pressure, static	158	Pa	p _{s,nom}
static efficiency of the extract fan, nominal point	28.07	%	η _{es,EHA}
Highest external air leakage rate	0.41	%	
Enclosure sound level, nominal point	59.1	dba	LWA2
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)	102	102	W	$P_{ed, max}$
Max. operating current (device)	0.89	0.89	A	$I_{ed, max}$
Max. speed	2910	2910	1/min	n_{max}
Max. stat. efficiency	44.2	44.2	%	η_{es}
Max. fan efficiency	45.3	45.3	%	η_e
Max. flowrate	810	810	m ³ /h	q_v, max
Max. stat pressure	580	580	Pa	$p_{sf, max}$
Max. medium temperature	60	60	°C	T_m, max
Max. environment temperature	60	60	°C	$T_{amb, max}$
Min. environment temperature	-30	-30	°C	$T_{amb, min}$

MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		EC		phase
Control type		stepless-controlled		ctrltype
Installation type		ORM (Out)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TEC		protectmotor
Protection class		IP54		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Rated voltage	230	230	V	$U_{rated, f1}$
Rated current	0.89	0.89	A	$I_{rated, f1}$
Shaft power	113	113	W	$P_{out, f1}$
Speed	2908	2908	1/min	n_{f1}
Efficiency	48.7	48.7	%	$\eta_m, f1$
Min. temperature	-30	-30	°C	$T_{motor, min}$
Cos Phi	0.550000	0.550000		$\cos \varphi$
UL-Certification motor		None		ULcert



to the product detail page