

ISOR 160 EC K 01

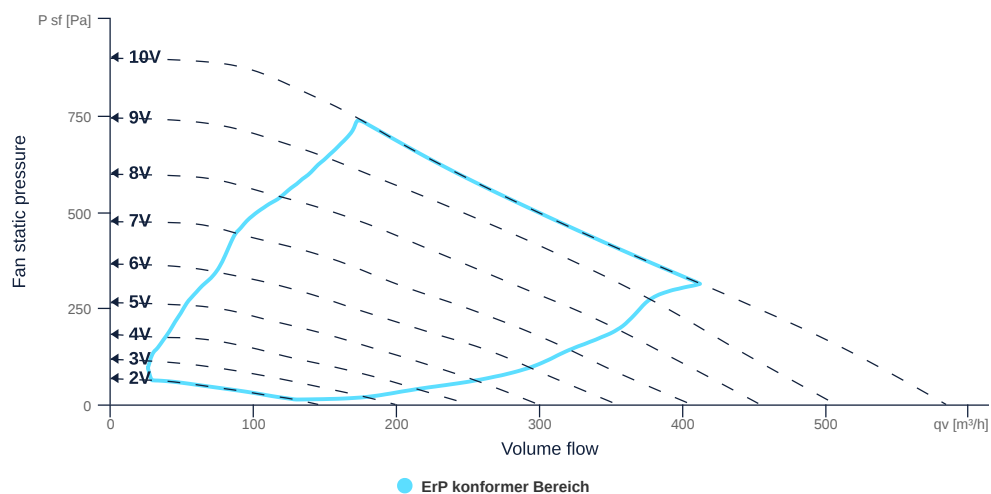
165186

- 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	-		WxHduct
Pipe connection size (DN)	DN160		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		matcasing
Impeller material	Plastic		matimpeller
IP-protection class (entire device)	IP54		IP _{compl}
IP-Protection class (terminal box)	IP66		IP _{ebox}
Weight	12.1	kg	m
Nominal air flow rate, nominal point m ³ /h	288	m ³ /h	q _{v,nom}
Nominal external pressure, static	511.8	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	0.08	m ³ /s	q _{v,nom}
Actual electrical input power, nominal point	0.12	kW	P _{e,nom}
Face velocity, nominal point	4	m/s	v _{nom}
Nominal external pressure, static	511.8	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	49.7	%	η _{es,SUP}
Highest external air leakage rate	0.95	%	
Enclosure sound level, nominal point	62	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)	120	120	W	$P_{ed, max}$
Max. operating current (device)	1.03	1.03	A	$I_{ed, max}$
Max. speed	4000	4000	1/min	n_{max}
Max. stat. efficiency	34	34	%	η_{es}
Max. fan efficiency	34.7	34.7	%	η_e
Max. flowrate	580	580	m ³ /h	q_v, max
Max. stat pressure	900	900	Pa	$p_{sf, max}$
Max. medium temperature	50	50	°C	T_m, max
Max. environment temperature	50	50	°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		protect _{motor}
Protection class		IP54		IP _{motor}
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwr _{sup} _{motor}
Min. temperature		-30	°C	$T_{motor, min}$
Cos Phi	0.560000	0.000000		cos φ
UL-Certification motor		None		ULcert



to the product detail page