

ISOR 160 E2 K 02

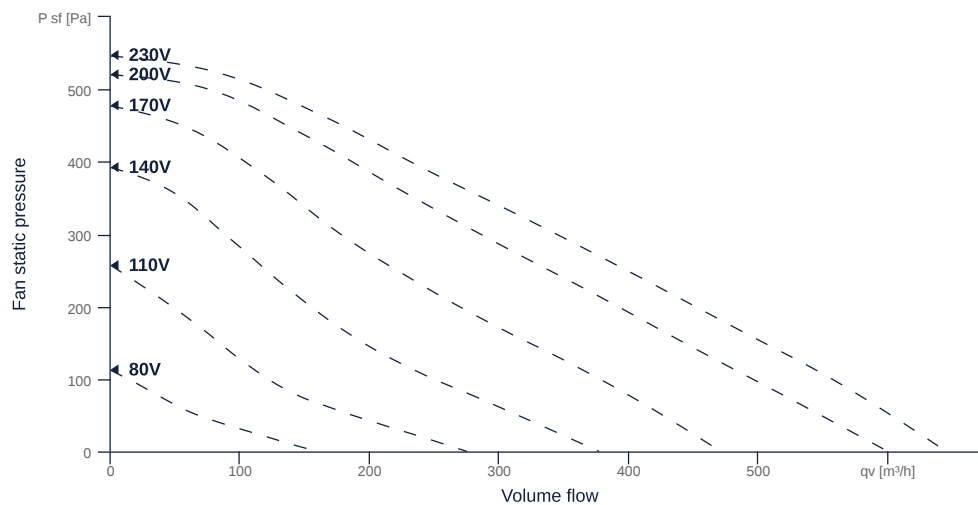
168454

- Soundproof centrifugal fan with backward curved impeller
- Galvanized sheet steel housing
- Connection spigots with double lip seal
- Swing-out fan unit
- Robust single-phase AC motor, voltage controllable
- Integrated thermal switch
- Suitable for outdoor installation



FAN CURVES

Name	Value	Unit
Volume flow	0	m³/h
Pressure	0	Pa



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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	Urated
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Galvanized steel		matcasing
Impeller material	Plastic		matimpeller
Weight	11.76	kg	m
Nominal air flow rate, nominal point m³/h	644.4	m³/h	qVnom
Nominal external pressure, static	546	Pa	ps, 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 m³/s	0.18	m³/s	qV, nom
Actual electrical input power, nominal point	0.11	kW	Pe, nom
Face velocity, nominal point	8.91	m/s	Vnom
Nominal external pressure, static	546	Pa	ps, nom
static efficiency of the extract fan, nominal point	88.13	%	ηes, EHA
Enclosure sound level, nominal point	53.31	dba	LWA2
Rating	Product is compliant 2018		

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	103	W	Pe, max
Max. operating current (device)	0.47	A	Ied, max
Max. speed	2700	1/min	nmax
Max. stat. efficiency	27.1	%	ηes
Max. fan efficiency	28.1	%	ηe
Max. flowrate	640	m³/h	qV, max
Max. stat pressure	545	Pa	psf, max
Max. medium temperature	75	°C	Tm, max
Max. environment temperature	75	°C	Tamb, max
Min. environment temperature	-25	°C	Tamb, min
Min. voltage	80	V	Umin



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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		TAI		protectmotor
Protection class		IP33		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		2.5	µF	Ccond
Voltage capacitor		450	V	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230		V	Urated, f1
Rated current	0.43		A	Irated, f1
Speed	2390		1/min	n _{f1}
Efficiency	47.3		%	η _{m, f1}
Min. temperature	-30		°C	T _{motor, min}
Cos Phi	0.980000	0.000000		cos φ
UL-Certification motor		None		ULcert



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