

EL 250 E2 06

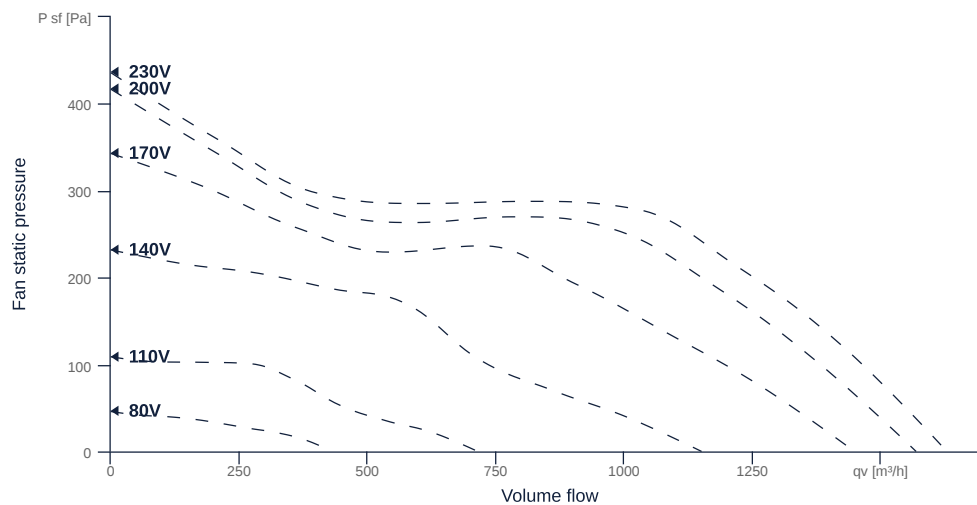
116227

- Innovative, high-efficiency diagonal fan
- Optimally tuned, CFD-optimized aerodynamics
- The benchmark for efficiency since 2007
- Robust single phase AC motor
- Conveyed medium temperature up to 50 °C in continuous operation
- Housing made of galvanized steel sheet



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)	DN250		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
IP-protection class (entire device)	IPX4		IPcompl
Weight	5.4	kg	m
Fan type	Diagonal		Fantype
Category / Installation situation	A		cat

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	160	W	Ped, max
Max. operating current (device)	0.82	A	Ied, max
Max. speed	2820	1/min	nmax
Max. stat. efficiency	47	%	ηes
Max. fan efficiency	50.6	%	ηe
Max. flowrate	1625	m³/h	qv, max
Max. stat pressure	455	Pa	psf, max
Max. medium temperature	50	°C	Tm, max
Max. environment temperature	50	°C	Tamb, max
Min. environment temperature	-25	°C	Tamb, min
Min. voltage	80	V	Umin
Stall current	1.65	A	ILRA



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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		5	µF	Ccond
Voltage capacitor		450	V	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230		V	Urated, f1
Rated current	0.7		A	Irated, f1
Speed	2702		1/min	nr1
Min. temperature	-30		°C	Tmotor, min
UL-Certification motor		None		ULcert

ERP DATA (LOT11)

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	2683	1/min	n _{opt}
Efficiency level	46.9	%	N
Efficiency category	statisch		catefficiency
Input power of the motor at the energy efficiency optimum	0.16	kW	P _{e, opt}
Overall efficiency	65.7	%	η _{ges}
Measurement category	A		meas cat
Fan pressure at energy efficiency optimum	276	Pa	p _{f, opt}
Flowrate at energy efficiency optimum	1045	m³/h	Q _{v, opt}



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