

EM DUO 200 EC K 01

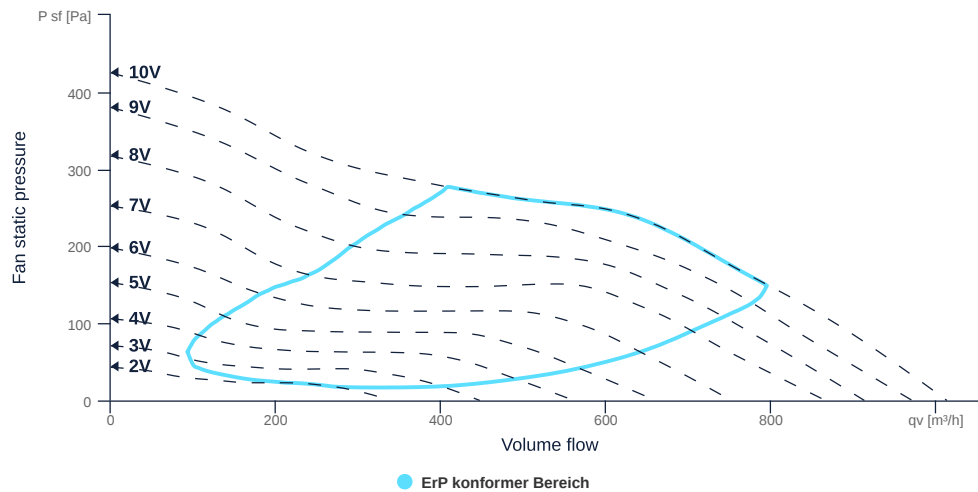
172109

- Efficient diagonal fan, redundant operation
- Optimally tuned and CFD-optimized aerodynamics
- Soundproof housing made of galvanized sheet steel
- High efficiency EC motor, steplessly controllable
- Built-in ETAMASTER with highest efficiency
- 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		
Duct size		-	WxHduct	
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		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)		IP55		IP _{ebox}
Weight		35.65	kg	m
Nominal air flow rate, nominal point m ³ /h		795.6	m ³ /h	q _{v,nom}
Nominal external pressure, static		149	Pa	p _{s,nom}
Fan type		Diagonal		Fantype
Category / Installation situation		B		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol	
Nominal air flow rate, nominal point m ³ /s		0.22	m ³ /s	q _{v,nom}
Actual electrical input power, nominal point		0.12	kW	P _{e,nom}
Face velocity, nominal point		7.03	m/s	v _{nom}
Nominal external pressure, static		149	Pa	p _{s,nom}
static efficiency of the extract fan, nominal point		28.66	%	η _{es,EHA}
Highest external air leakage rate		0.28	%	
Enclosure sound level, nominal point		56.05	dba	LWA2
Rating		Product is compliant 2018		



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MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	115	115	W	$P_{ed, max}$
Max. operating current (device)	0.97	0.97	A	$I_{ed, max}$
Max. speed	3160	3160	1/min	n_{max}
Max. stat. efficiency	35.6	35.6	%	η_{es}
Max. fan efficiency	38.8	38.8	%	η_e
Max. flowrate	1010	1010	m ³ /h	Q_v, max
Max. stat pressure	425	425	Pa	$p_{sf, max}$
Max. medium temperature	45	45	°C	T_m, max
Max. environment temperature	45	45	°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~	pwsupmotor
Rated voltage	230	230	V	$U_{rated, f1}$
Rated current	0.93	0.93	A	$I_{rated, f1}$
Shaft power	121	121	W	$P_{out, f1}$
Speed	2929	2929	1/min	n_{f1}
Min. temperature	-30	-30	°C	$T_{motor, min}$
UL-Certification motor			None	ULcert



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