

DHA 220 E2 30

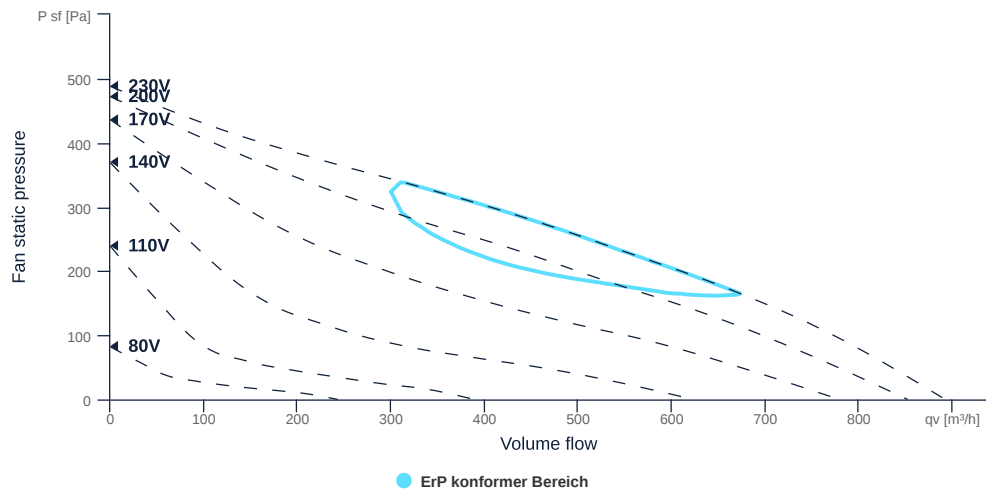
131826

- Horizontal discharge centrifugal fan
- Backward curved impeller
- Housing made of aluminium AlMg3
- Robust single phase AC motor, voltage controllable
- Integrated thermal switch



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	-		WxH _{duct}
Pipe connection size (DN)	DN180		DN
Rated voltage (entire device)	230	V	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Aluminium		mat _{casing}
Impeller material	Plastic		mat _{impeller}
IP-protection class (casing)	IP44		IP _{casing}
IP-protection class (entire device)	IPX4		IP _{compl}
IP-Protection class (terminal box)	IP44		IP _{ebox}
Weight	5.23	kg	m
Nominal air flow rate, nominal point m ³ /h	673.2	m ³ /h	q _{v,nom}
Nominal external pressure, static	165	Pa	p _{s,nom}
Fan type	Radial		F _{antype}
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	0.11	kW	P _{e,nom}
Face velocity, nominal point	5.61	m/s	v _{nom}
Nominal external pressure, static	165	Pa	p _{s,nom}
static efficiency of the extract fan, nominal point	28.33	%	η _{es,EHA}
Enclosure sound level, nominal point	72.22	dba	L _{WA2}
Rating	Product is compliant 2018		



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MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	110	150	W	P _{ed, max}
Max. operating current (device)	0.57	0.69	A	I _{ed, max}
Max. speed	2760	3190	1/min	n _{max}
Max. stat. efficiency	29.9	23.4	%	η _{es}
Max. fan efficiency	30.1	23.5	%	η _e
Max. flowrate	890	980	m³/h	Q _{v, max}
Max. stat pressure	490	640	Pa	p _{sf, max}
Max. medium temperature	60	55	°C	T _{m, max}
Max. environment temperature	60	55	°C	T _{amb, max}
Min. environment temperature	-25	-25	°C	T _{amb, min}
Min. voltage	80	80	V	U _{min}
Stall current	0.77	0.77	A	I _{LRA}

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		IP _{motor}
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwr _{sup} motor
Capacity capacitor		2.5	μF	C _{cond}
Voltage capacitor		450	V	V _{Ucond}
Number of poles (1)		2.000000		num poles _{w1}
Rated voltage	230	230	V	U _{rated, f1}
Rated current	0.43	0.55	A	I _{rated, f1}
Speed	2390	2460	1/min	n _{f1}
Starting current	0.73	0.72	A	I _{start, f1}
Efficiency	47.3	21.5	%	η _{m, f1}
Min. temperature	-30	-30	°C	T _{motor, min}
Cos Phi	0.980000	0.980000		cos φ
UL-Certification motor		None		ULcert



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