

DHA 280 E4 30

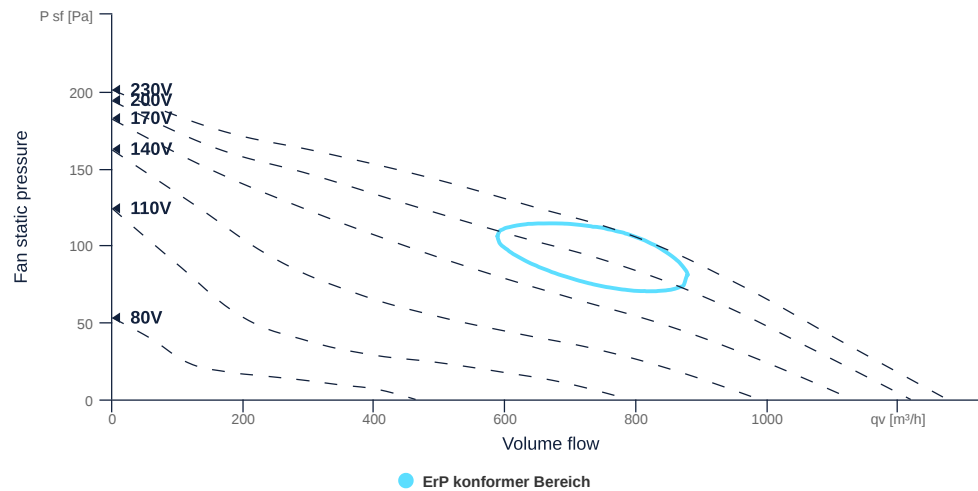
130101

- 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	-		WxHduct
Pipe connection size (DN)	DN250		DN
Rated voltage (entire device)	230	V	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Aluminium		matcasing
Impeller material	Galvanized steel		matimpeller
IP-protection class (casing)	IP44		IP _{casing}
IP-protection class (entire device)	IPX4		IP _{compl}
IP-Protection class (terminal box)	IP44		IP _{ebox}
Weight	8.24	kg	m
Nominal air flow rate, nominal point m ³ /h	878.4	m ³ /h	q _{v,nom}
Nominal external pressure, static	81	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	0.24	m ³ /s	q _{v,nom}
Actual electrical input power, nominal point	0.08	kW	P _{e,nom}
Face velocity, nominal point	2.1	m/s	v _{nom}
Nominal external pressure, static	81	Pa	p _{s,nom}
static efficiency of the extract fan, nominal point	26.03	%	η _{es,EHA}
Enclosure sound level, nominal point	64.98	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)	86	109	W	$P_{ed, max}$
Max. operating current (device)	0.44	0.54	A	$I_{ed, max}$
Max. speed	1390	1620	1/min	n_{max}
Max. stat. efficiency	27.2	25.3	%	η_{es}
Max. fan efficiency	27.9	25.7	%	η_e
Max. flowrate	1270	1450	m ³ /h	Q_v, max
Max. stat pressure	200	270	Pa	$p_{sf, max}$
Max. medium temperature	70	70	°C	T_m, max
Max. environment temperature	70	70	°C	$T_{amb, max}$
Min. environment temperature	-25	-25	°C	$T_{amb, min}$
Min. voltage	80	80	V	U_{min}
Stall current	0.57	0.57	A	ILRA

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		3	μF	Ccond
Voltage capacitor		450	V	VUcond
Number of poles (1)		4.000000		num polesw1
Rated voltage	230		V	$U_{rated, f1}$
Rated current	0.48		A	$I_{rated, f1}$
Speed	1368		1/min	n_{f1}
Efficiency	51		%	$\eta_m, f1$
Min. temperature	-30		°C	$T_{motor, min}$
Cos Phi	0.990000	0.000000		$\cos \varphi$
UL-Certification motor		None		ULcert



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