

DHA 280 E4P 30

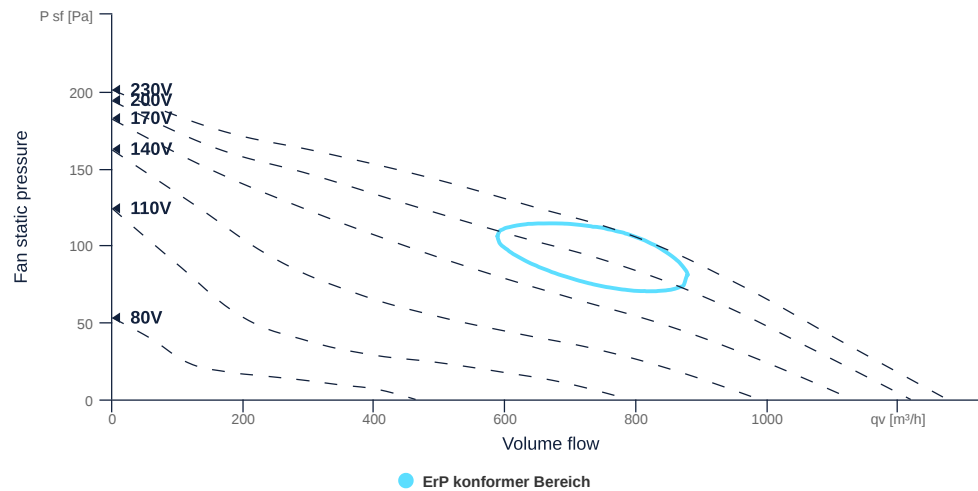
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- Horizontal discharge centrifugal fan
- Backward curved impeller
- Housing made of aluminium AlMg3
- Robust single phase AC motor, voltage controllable
- Integrated thermal switch
- Integrated device switch



FAN CURVES

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



to the product detail page

DHA 280 E4P 30

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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	8.23	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		



to the product detail page

DHA 280 E4P 30

130107



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 φ
UL-Certification motor		None		ULcert



to the product detail page