

# DHA 315 E4 42

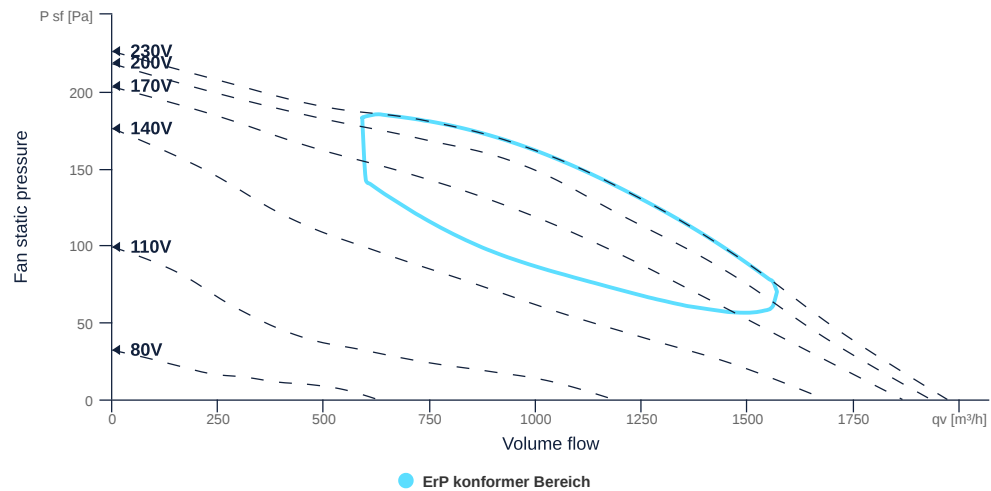
156469

- 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 <sub>duct</sub>
Pipe connection size (DN)	DN250		DN
Rated voltage (entire device)	230	V	U <sub>rated</sub>
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Aluminium		mat <sub>casing</sub>
Impeller material	Plastic		mat <sub>impeller</sub>
IP-protection class (casing)	IP44		IP <sub>casing</sub>
IP-protection class (entire device)	IPX4		IP <sub>compl</sub>
IP-Protection class (terminal box)	IP44		IP <sub>ebox</sub>
Weight	8.5	kg	m
Nominal air flow rate, nominal point m <sup>3</sup> /h	1569.6	m <sup>3</sup> /h	q <sub>v,nom</sub>
Nominal external pressure, static	70	Pa	p <sub>s,nom</sub>
Fan type	Radial		Fan <sub>type</sub>
Category / Installation situation	A		cat

## ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m <sup>3</sup> /s	0.44	m <sup>3</sup> /s	q <sub>v,nom</sub>
Actual electrical input power, nominal point	0.11	kW	P <sub>e,nom</sub>
Face velocity, nominal point	3.75	m/s	v <sub>nom</sub>
Nominal external pressure, static	70	Pa	p <sub>s,nom</sub>
static efficiency of the extract fan, nominal point	28.21	%	η <sub>es,EHA</sub>
Enclosure sound level, nominal point	68.81	dba	L <sub>WA2</sub>
Rating	Product is compliant 2018		



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## MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	113	155	W	$P_{ed, max}$
Max. operating current (device)	0.6	0.74	A	$I_{ed, max}$
Max. speed	1425	1660	1/min	$n_{max}$
Max. stat. efficiency	38.1	38.6	%	$\eta_{es}$
Max. fan efficiency	40.7	41.8	%	$\eta_e$
Max. flowrate	1970	2290	m <sup>3</sup> /h	$Q_v, max$
Max. stat pressure	230	305	Pa	$p_{sf, max}$
Max. medium temperature	60	60	°C	$T_m, max$
Max. environment temperature	60	60	°C	$T_{amb, max}$
Min. environment temperature	-25	-25	°C	$T_{amb, min}$
Min. voltage	80	80	V	$U_{min}$

## 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 B		ISOclass
Motor-protection		TAI		protectmotor
Protection class		IP44		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		4	μF	Ccond
Voltage capacitor		400	V	VUcond
Number of poles (1)		4.000000		num polesw1
Rated voltage	230	230	V	$U_{rated, f1}$
Rated current	0.57	0.77	A	$I_{rated, f1}$
Speed	1350	1450	1/min	$n_{f1}$
Starting current	1.3	1.2	A	$I_{start, f1}$
Min. temperature	-25	-25	°C	$T_{motor, min}$
UL-Certification motor		None		ULcert



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