

# DHA 225 E2 30

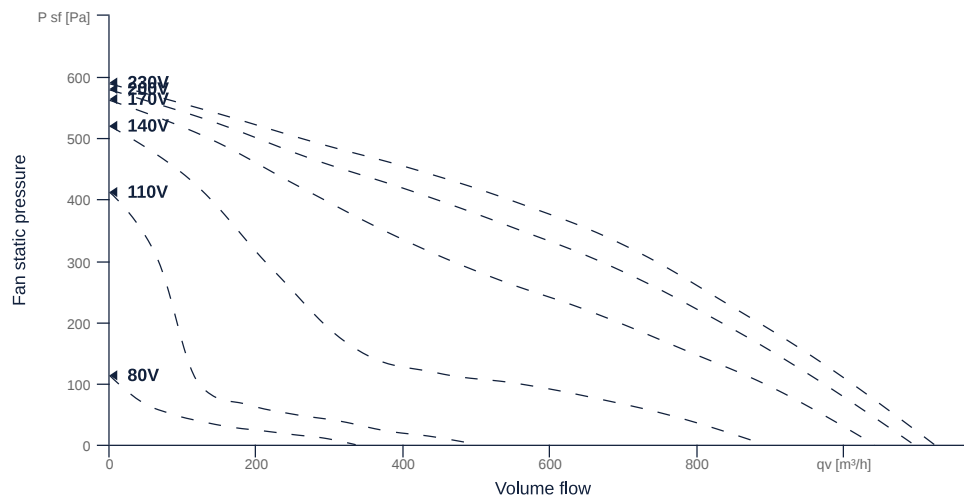
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- Horizontal discharge centrifugal fan
- Backward curved impeller
- Housing made of aluminium AlMg3
- Robust single phase AC motor, voltage controllable
- Integrated thermal switch



## FAN CURVES

Name	Value	Unit
Volume flow	0	m <sup>3</sup> /h
Pressure	0	Pa



## GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		WxH <sub>duct</sub>
Pipe connection size (DN)	DN180		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>compt</sub>
Weight	5.7	kg	m
Nominal air flow rate, nominal point m <sup>3</sup> /h	720	m <sup>3</sup> /h	q <sub>v,nom</sub>
Nominal external pressure, static	243	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	0.2	m <sup>3</sup> /s	q <sub>v,nom</sub>
Actual electrical input power, nominal point	0.15	kW	P <sub>e,nom</sub>
Face velocity, nominal point	4.8	m/s	v <sub>nom</sub>
Nominal external pressure, static	243	Pa	p <sub>s,nom</sub>
supply air fan static efficiency, nominal point	43.3	%	η <sub>es,SUP</sub>
Enclosure sound level, nominal point	78	dB(A)	L <sub>WA2</sub>
Rating	Product is compliant 2018		

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## MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	155	W	$P_{ed, max}$
Max. operating current (device)	0.88	A	$I_{ed, max}$
Max. speed	2895	1/min	$n_{max}$
Max. stat. efficiency	39	%	$\eta_{es}$
Max. fan efficiency	40.6	%	$\eta_e$
Max. flowrate	1120	m <sup>3</sup> /h	$q_{v, max}$
Max. stat pressure	590	Pa	$p_{sf, max}$
Max. medium temperature	60	°C	$T_m, max$
Max. environment temperature	60	°C	$T_{amb, max}$
Min. environment temperature	-25	°C	$T_{amb, min}$
Min. voltage	80	V	$U_{min}$
Stall current	1.74	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		TMI		protectmotor
Protection class		IP33		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		5	µF	Ccond
Voltage capacitor		400	V	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230		V	$U_{rated, f1}$
Rated current	0.7		A	$I_{rated, f1}$
Speed	2685		1/min	$n_{f1}$
Min. temperature	-30		°C	$T_{motor, min}$
UL-Certification motor		None		ULcert

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## MECHANICAL ACCESSORIES

DVK 180 10 | 153000



- Automatic roof shutter
- Galvanized steel sheet

DAF 150 | 110735



- Roof inlet flange
- Galvanized steel sheet

DAF 180 | 110744



- Roof inlet flange
- Galvanized steel sheet

DAS 180 | 110745



- Flexible roof inlet spigot
- Temperature resistant up to 75 °C

DAF 160 | 137396



- Roof inlet flange
- Galvanized steel sheet

DSF 220-10 | 126170



- Flat roof socket
- Made of aluminum AlMg3
- Sound and heat insulation

DSF 220-12 | 133709



- Sloped roof socket
- Made of aluminum AlMg3
- Sound and heat insulation
- For roof slope 3°

DAP 220 | 133946



- Adapter plate for roof mounting of roof fans
- Galvanized steel sheet

DSS 220-10 | 126356



- Flat roof socket silencer
- Made of aluminum AlMg3
- Sound and heat insulation

DSS 220-12 | 134283



- Sloped roof socket silencer
- Made of aluminum AlMg3
- Sound and heat insulation
- For roof slope 3°

## ELECTRICAL ACCESSORIES

GS 01 | 102787



- Isolator switch
- U<sub>max</sub> = 400 V, 50/60 Hz
- Switching capacity 400 V 3~ = 7,5 kW
- I<sub>max</sub> = 25 A

TES 0145 | 111858



- Step transformer
- 230 V ~, 50/60 Hz

TEE 015 | 115893



- 5-step transformer
- 230 V ~, 50/60 Hz

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ruck

