

DHA 190 E2 40

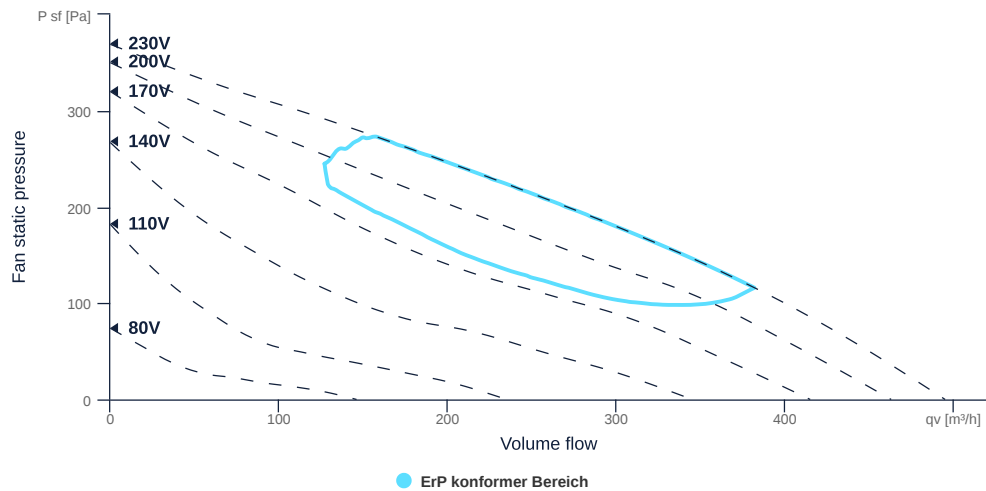
134993

- 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	4.72	kg	m
Nominal air flow rate, nominal point m ³ /h	381.6	m ³ /h	q _{v,nom}
Nominal external pressure, static	116	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	0.11	m ³ /s	q _{v,nom}
Actual electrical input power, nominal point	0.05	kW	P _{e,nom}
Face velocity, nominal point	3.19	m/s	v _{nom}
Nominal external pressure, static	116	Pa	p _{s,nom}
static efficiency of the extract fan, nominal point	23.7	%	η _{es,EHA}
Enclosure sound level, nominal point	69.92	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)	50	64	W	$P_{ed, max}$
Max. operating current (device)	0.3	0.36	A	$I_{ed, max}$
Max. speed	2720	3110	1/min	n_{max}
Max. stat. efficiency	28	24.9	%	η_{es}
Max. fan efficiency	28.1	25	%	η_e
Max. flowrate	490	530	m ³ /h	Q_v, max
Max. stat pressure	370	480	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	0.37	0.37	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		TMI		protectmotor
Protection class		IP33		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		2	μF	Ccond
Voltage capacitor		400	V	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230	230	V	$U_{rated, f1}$
Rated current	0.23	0.3	A	$I_{rated, f1}$
Speed	2373	2469	1/min	n_{f1}
Starting current	0.37	0.37	A	$I_{start, f1}$
Efficiency	27.7	23.7	%	$\eta_m, f1$
Min. temperature	-30	-30	°C	$T_{motor, min}$
Cos Phi	0.990000	0.990000		cos φ
UL-Certification motor		None		ULcert



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