

DHA 190 E4 30

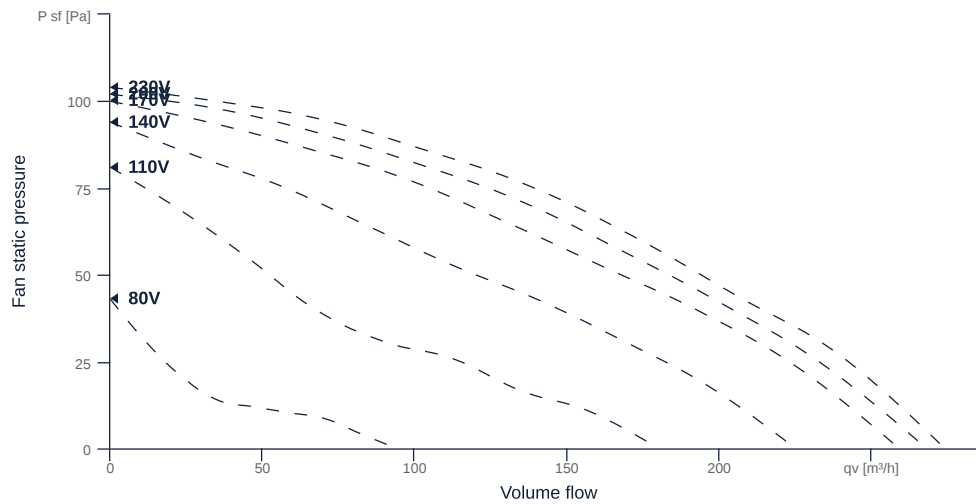
130455

- 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



to the product detail page

DHA 190 E4 30

130455

GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		WxHduct
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		matcasing
Impeller material	Plastic		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	4.5	kg	m
Nominal air flow rate, nominal point m ³ /h	190.8	m ³ /h	q _{v,nom}
Nominal external pressure, static	47	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	0.05	m ³ /s	q _{v,nom}
Actual electrical input power, nominal point	0.01	kW	P _{e,nom}
Face velocity, nominal point	0.97	m/s	V _{nom}
Nominal external pressure, static	47	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	15.3	%	η _{es,SUP}
Enclosure sound level, nominal point	61	dba	LWA2
Rating	Product is compliant 2018		



to the product detail page

MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	18	18	W	P _{ed, max}
Max. operating current (device)	0.22	0.22	A	I _{ed, max}
Max. speed	1440	1710	1/min	n _{max}
Max. stat. efficiency	15.2	22.9	%	η _{es}
Max. fan efficiency	15.2	23.2	%	η _e
Max. flowrate	270	320	m ³ /h	Q _{v, max}
Max. stat pressure	100	140	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	0.17	0.17	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		TAI		protectmotor
Protection class		IP33		IP _{motor}
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwr _{sup} motor
Capacity capacitor		2.5	μF	C _{cond}
Voltage capacitor		400	V	V _{Ucond}
Number of poles (1)		4.000000		num poles _{w1}
Rated voltage	230		V	U _{rated, f1}
Rated current	0.1		A	I _{rated, f1}
Speed	1383		1/min	n _{f1}
Efficiency	15.6		%	η _{m, f1}
Min. temperature	-30		°C	T _{motor, min}
Cos Phi	0.760000	0.000000		cos φ
UL-Certification motor		None		ULcert



to the product detail page