

# DHA 190 E4P 30

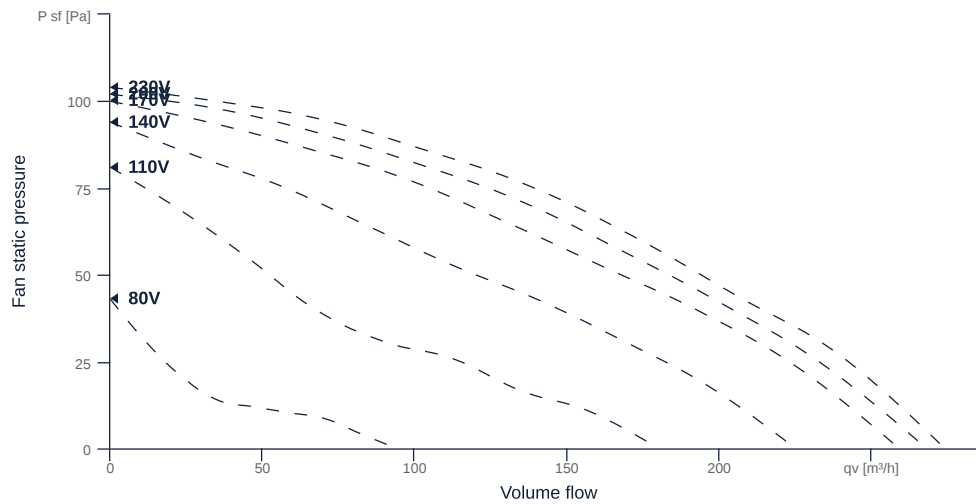
130469

- 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



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## 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	Urated
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		IPcasing
IP-protection class (entire device)	IPX4		IPcompl
IP-Protection class (terminal box)	IP44		IPebox
Weight	4.6	kg	m
Nominal air flow rate, nominal point m³/h	190.8	m³/h	qv,nom
Nominal external pressure, static	47	Pa	ps,nom
Fan type	Radial		Fantype
Category / Installation situation	A		cat

## ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m³/s	0.05	m³/s	qv,nom
Actual electrical input power, nominal point	0.01	kW	Pe,nom
Face velocity, nominal point	0.97	m/s	Vnom
Nominal external pressure, static	47	Pa	ps,nom
supply air fan static efficiency, nominal point	15.3	%	ηes,SUP
Enclosure sound level, nominal point	61	dba	LWA2
Rating	Product is compliant 2018		



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## 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	%	$\eta_{es}$
Max. fan efficiency	15.2	23.2	%	$\eta_e$
Max. flowrate	270	320	m <sup>3</sup> /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		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		2.5	μF	$C_{cond}$
Voltage capacitor		400	V	$V_{Ucond}$
Number of poles (1)		4.000000		num polesw1
Rated voltage	230		V	$U_{rated, f1}$
Rated current	0.1		A	$I_{rated, f1}$
Speed	1383		1/min	$n_{f1}$
Efficiency	15.6		%	$\eta_m, f1$
Min. temperature	-30		°C	$T_{motor, min}$
Cos Phi	0.760000	0.000000		$\cos \varphi$
UL-Certification motor		None		ULcert



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