

DHA 190 E4P 30

130469

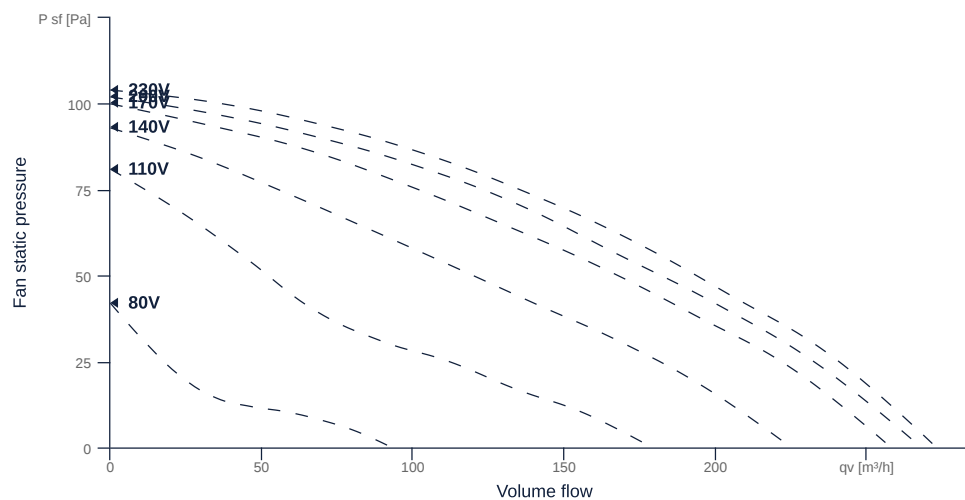
ruck

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



MAP

Name	Value	Unit
Volume flow	0	m³/h
Pressure	0	Pa



DHA 190 E4P 30

130469

ruck

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	4.6	kg	m
Nominal air flow rate, nominal point m³/h	190.8	m³/h	q _{v,nom}
Nominal external pressure, static	47	Pa	p _{s,nom}
Fan type	Radial		Fan _{type}
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	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	dB(A)	L _{WA2}
Rating	Product is compliant 2018		



to the product detail page

DHA 190 E4P 30

130469

ruck

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	m³/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		ISO _{class}
Motor-protection		TAI		protect _{motor}
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	VU _{cond}
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		UL _{cert}



to the product detail page

DHA 190 E4P 30

130469

CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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°



to the product detail page

DHA 190 E4P 30

130469

ELECTRICAL ACCESSORIES

TES 0145 | 111858



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

TEE 015 | 115893



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



to the product detail page