

DHA 500 ECP 30

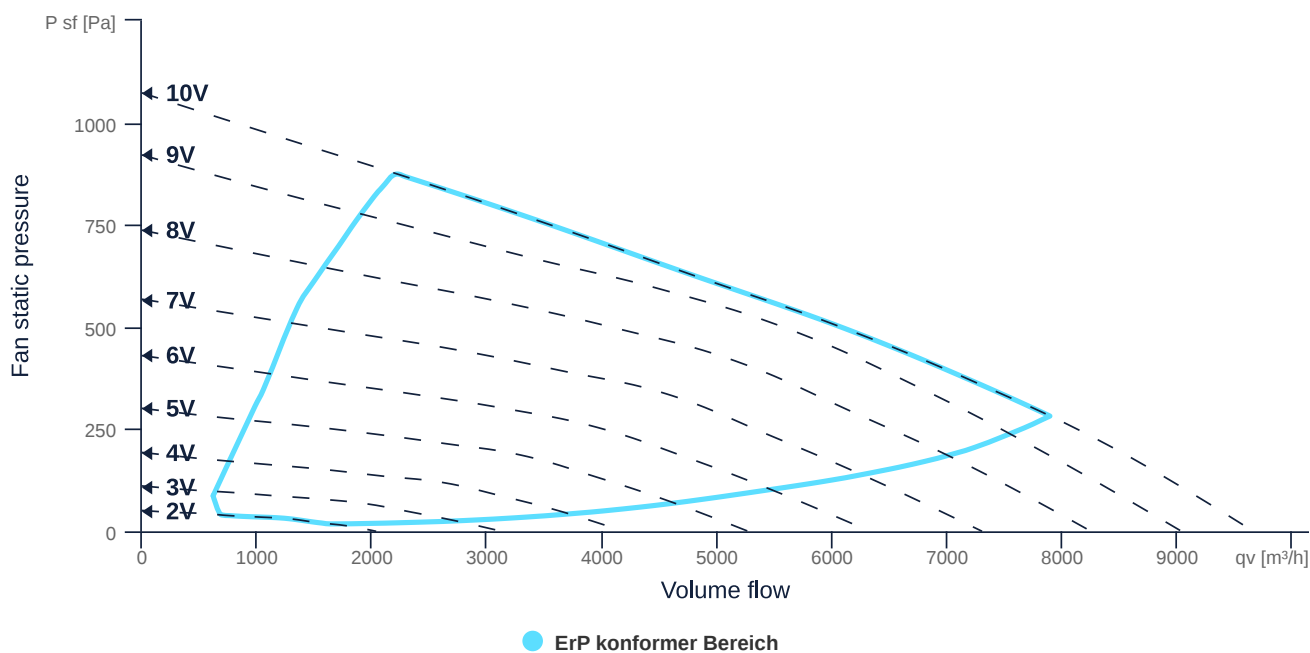
131276

- Horizontal discharge centrifugal fan
- Backward curved impeller
- Housing made of aluminium AlMg3
- High efficiency EC motor, steplessly controllable
- Internal electronic temperature monitoring
- Integrated device switch



FAN CURVES

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



to the product detail page

DHA 500 ECP 30

131276

ruck

GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		WxH _{duct}
Pipe connection size (DN)	DN400		DN
Rated voltage (entire device)	400	v	U _{rated}
Phases (entire device)	3~		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)	IP66		IP _{ebox}
Weight	27.32	kg	m
Nominal air flow rate, nominal point m³/h	8089.2	m³/h	q _{v,nom}
Nominal external pressure, static	255	Pa	p _{s,nom}
Fan type	Radial		Fan _{type}
Category / Installation situation	A		cat
Length	860	mm	
Width	860	mm	
Height	418	mm	

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m³/s	2.25	CmS	q _{v,nom}
Actual electrical input power, nominal point	1.31	kw	P _{e,nom}
Face velocity, nominal point	15.21	mps	V _{nom}
Nominal external pressure, static	255	Pa	p _{s,nom}
static efficiency of the extract fan, nominal point	43.69	p	η _{es,EHA}
Enclosure sound level, nominal point	86.2	db	LWA2
Rating	Product is compliant 2018		



to the product detail page

DHA 500 ECP 30

131276



MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	1328	1328	w	P _{ed, max}
Max. operating current (device)	2.05	2.05	A	I _{ed, max}
Max. speed	1590	1590	rpm	n _{max}
Max. stat. efficiency	60.8	60.8	p	η _{es}
Max. fan efficiency	62.1	62.1	p	η _e
Max. flowrate	9650	9650	m³/h	q _{v, max}
Max. stat pressure	1070	1070	Pa	p _{sf, max}
Max. medium temperature	50	50	°C	T _{m, max}
Max. environment temperature	50	50	°C	T _{amb, max}
Min. environment temperature	-25	-25	°C	T _{amb, min}

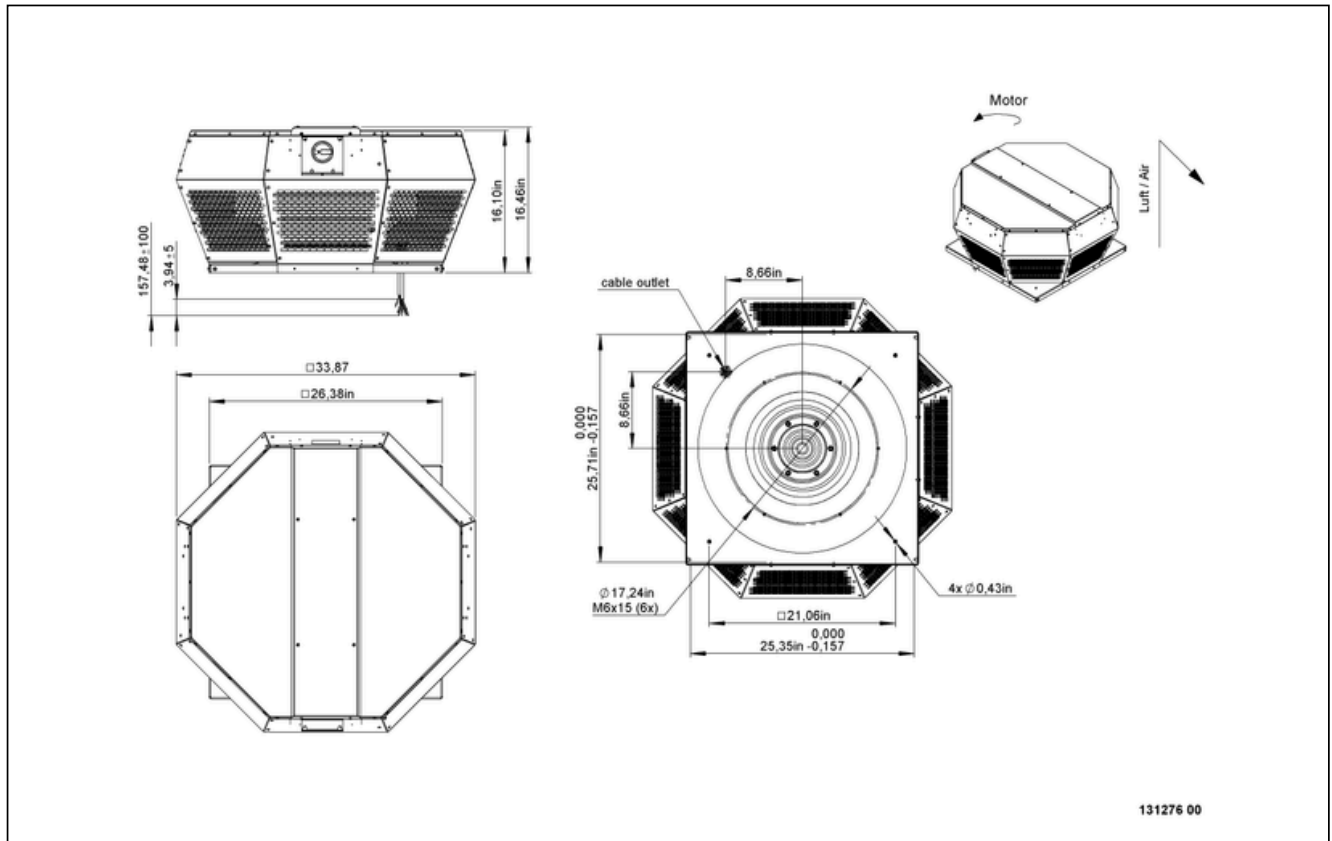


to the product detail page

DHA 500 ECP 30

131276

CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

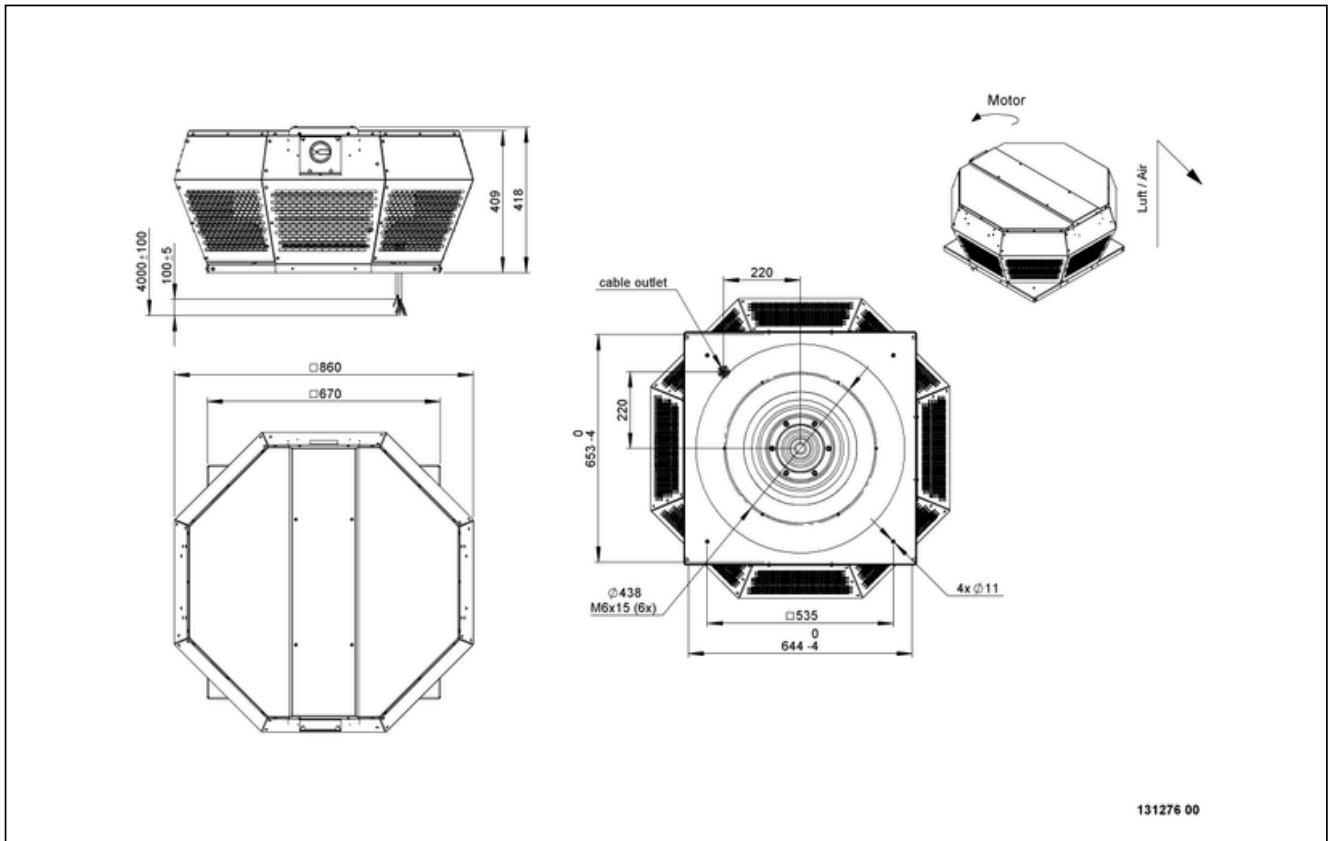


to the product detail page

DHA 500 ECP 30

131276

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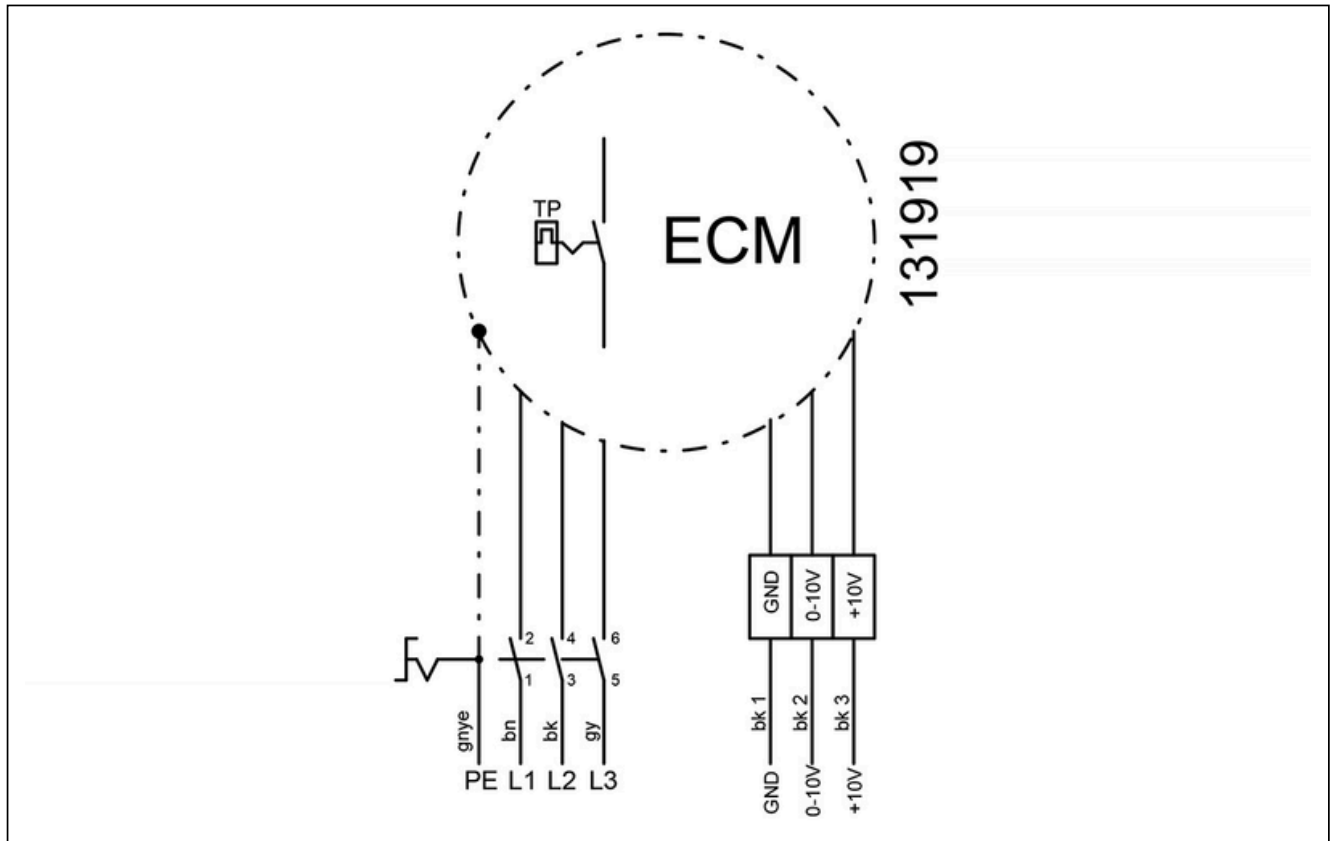


to the product detail page

DHA 500 ECP 30

131276

CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



to the product detail page

DHA 500 ECP 30

131276

MECHANICAL ACCESSORIES

DVK 400 10 | 152897



- Automatic roof shutter
- Galvanized steel sheet

DAF 400 | 109826



- Roof inlet flange
- Galvanized steel sheet

DAS 400 | 109827



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

DSF 450-10 | 126193



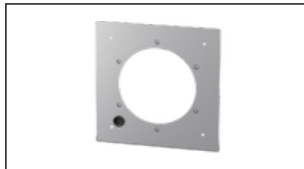
- Flat roof socket
- Made of aluminum AlMg3
- Sound and heat insulation

DSF 450-12 | 133850



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

DAP 450 | 133976



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

DSS 450-10 | 126461



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

DSS 450-12 | 134444



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

ELECTRICAL ACCESSORIES

MTP 20 | 128146



- Potentiometer 10 kΩ
- Switching contact 1A/250V AC - 2,5A/12V DC
- Max. ambient temperature 50 °C

MTP 40 | 147359



- Potentiometer 10 kΩ
- Connection in terminal box
- Max. ambient temperature 50 °C
- PU: 20 pieces

SEN AIR | 148641



- Airflow and temperature transducer
- Measuring range temperature 0...+50 °C
- With adjustable switching threshold (air speed)
- Measuring range air velocity up to 20 m/s

CON P1000 | 115259



- Constant pressure control
- Actual value display possible via optional control unit
- Output 0-10 V DC + FC enable + setpoint reached
- Pressure setting by means of decade switch

MTP 50 | 168752



- Potentiometer with multifunction output
- 230 VAC ±10 % / 50-60 Hz
- Selectable output: 1-10 VDC / 2-20 mA / 10-100 % PWM
- Min. and max. output value adjustable

UniControl 01 | 175813



- Universal fan controller
- Constant speed
- Demand-based operation
- Constant pressure

MTP 60 | 177018



- 5-step potentiometer
- Switching contact: 1A/250V AC - 2,5A/12V DC
- Max. ambient temperature 50 °C
- Protection class IP44

MTP 30 | 177381



- Stepped potentiometer 10 kΩ
- Step 1 + 2 settable 10 % - 100 % Vdc
- Step 3 100 % Vdc
- Supply voltage+10Vdc



to the product detail page