

DHA 400 ECP 30

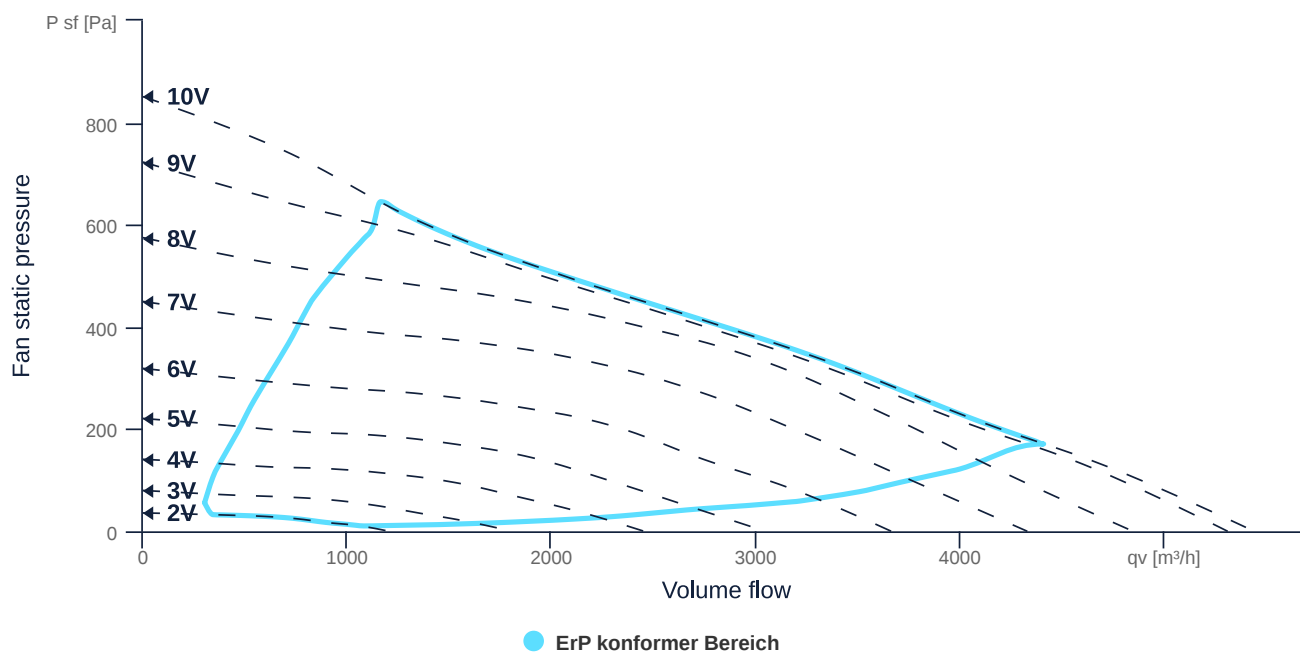
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- Horizontal discharge centrifugal fan
- Backward curved impeller
- Housing made of aluminium AlMg3
- High efficiency EC motor, steplessly controllable
- Internal electronic temperature monitoring
- Integrated device switch



FAN CURVES

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



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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)	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)	IP66		IP _{ebox}
Weight	17.02	kg	m
Nominal air flow rate, nominal point m³/h	4518	m³/h	q _{v,nom}
Nominal external pressure, static	155	Pa	p _{s,nom}
Fan type	Radial		Fan _{type}
Category / Installation situation	A		cat
Length	745	mm	
Width	745	mm	
Height	333	mm	

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m³/s	1.26	CmS	q _{v,nom}
Actual electrical input power, nominal point	0.51	kw	P _{e,nom}
Face velocity, nominal point	4.5	mps	V _{nom}
Nominal external pressure, static	155	Pa	p _{s,nom}
static efficiency of the extract fan, nominal point	37.96	p	η _{es,EHA}
Enclosure sound level, nominal point	81.26	db	LWA2
Rating	Product is compliant 2018		



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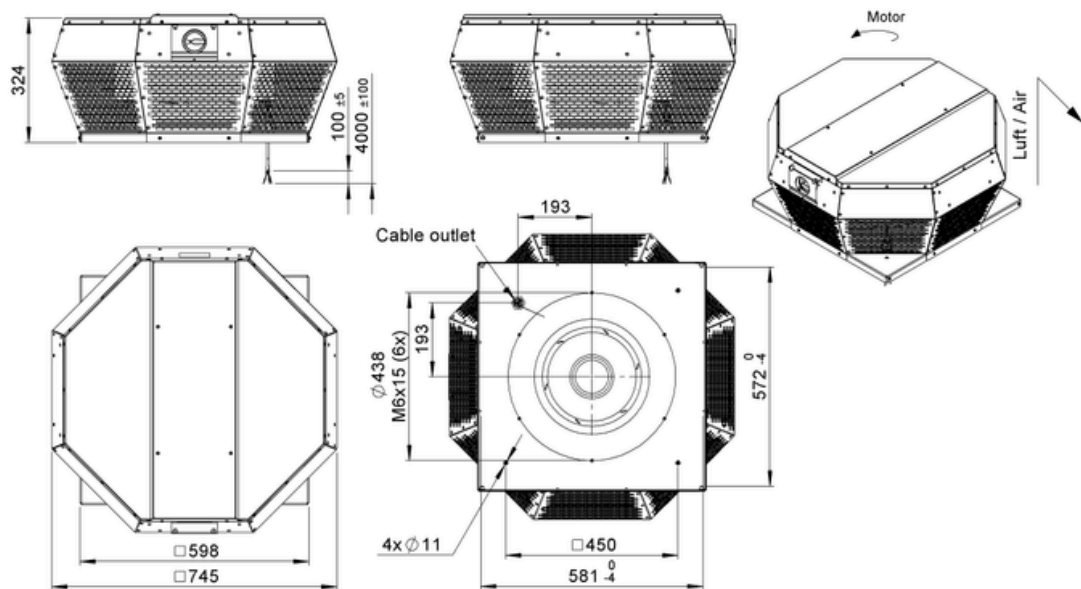
MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	506	506	w	P _{ed, max}
Max. operating current (device)	2.33	2.33	A	I _{ed, max}
Max. speed	1960	1960	rpm	n _{max}
Max. stat. efficiency	59.8	59.8	p	η _{es}
Max. fan efficiency	60.7	60.7	p	η _e
Max. flowrate	5430	5430	m³/h	q _{v, max}
Max. stat pressure	850	850	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}

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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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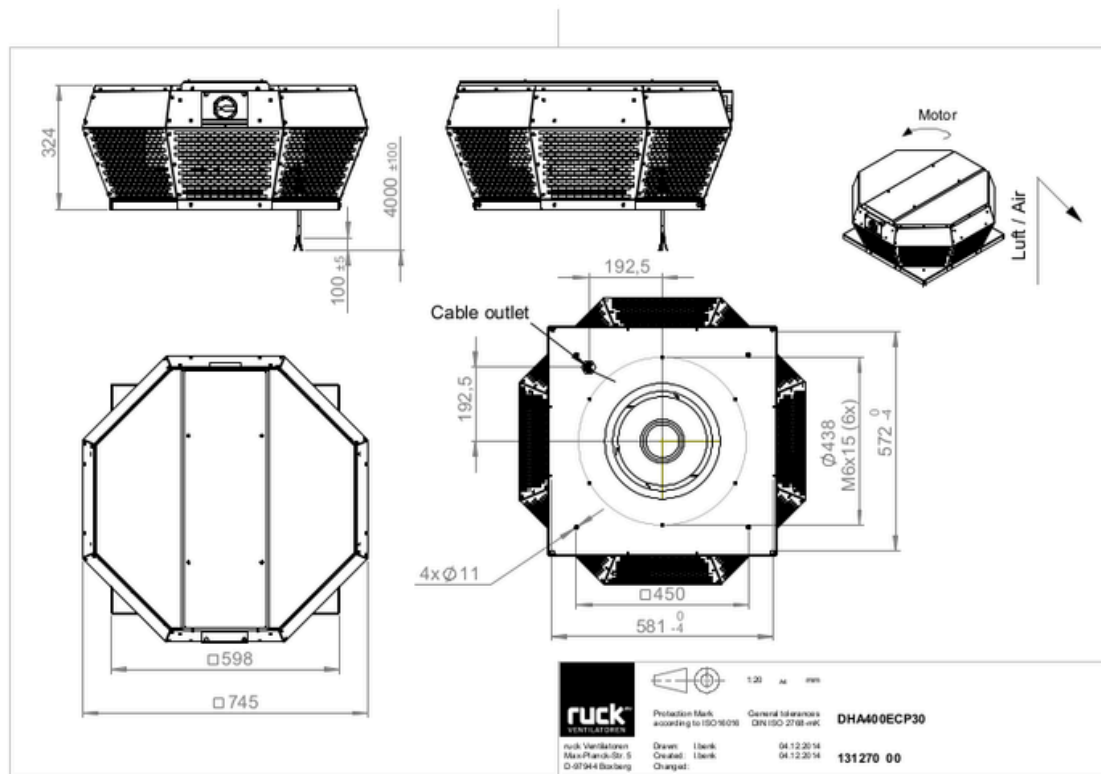


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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

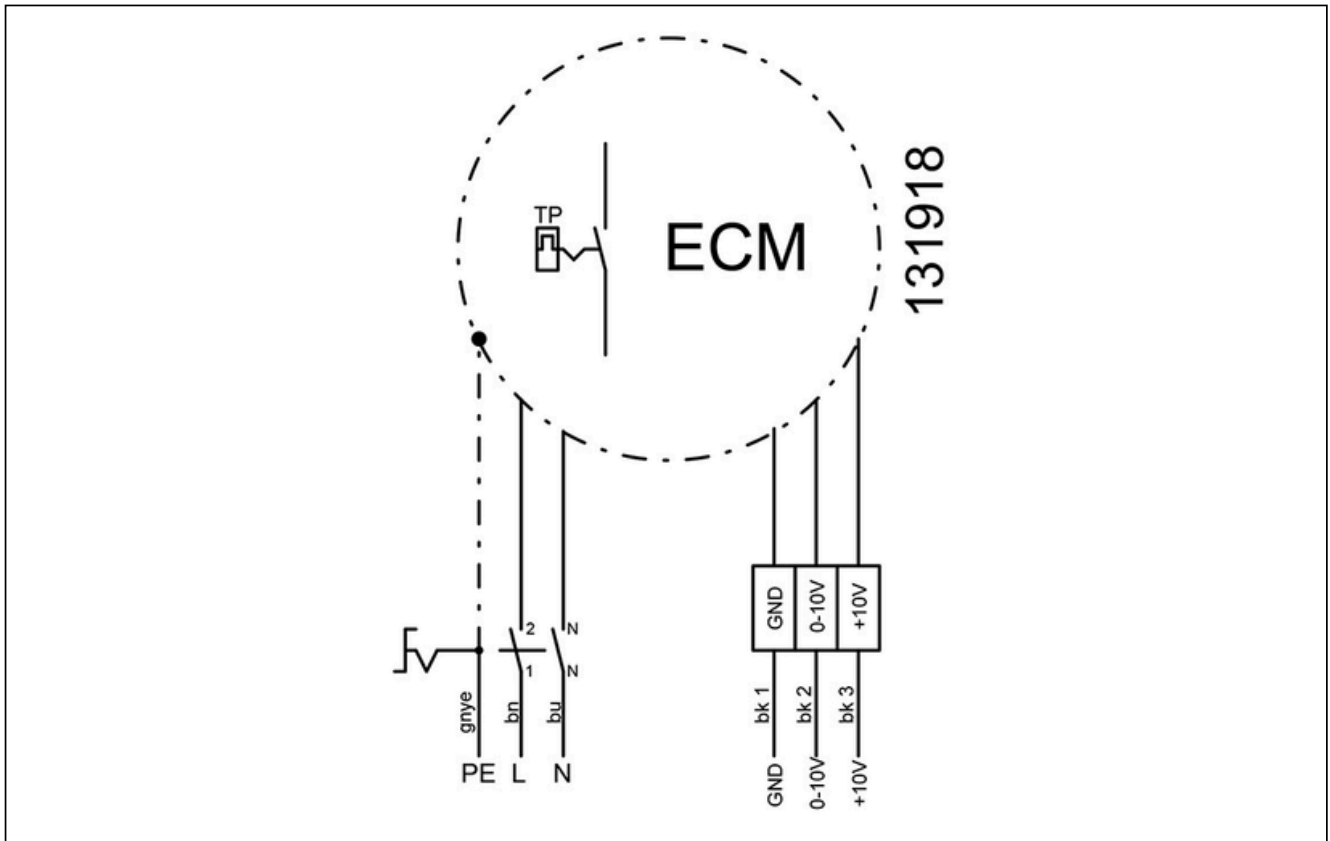


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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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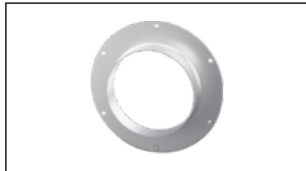
MECHANICAL ACCESSORIES

DVK 400 10 | 152897



- Automatic roof shutter
- Galvanized steel sheet

DAF 400 | 109826



- Roof inlet flange
- Galvanized steel sheet

DAS 400 | 109827



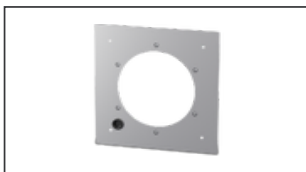
- Flexible roof inlet spigot
- Temperature resistant up to 75 °C

DSF 355-10 | 126160



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

DAP 355 | 133963



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

DSS 355-10 | 126403



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

DSS 355-12 | 134395



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

DSF 355-12 | 133793



- Sloped roof socket
- 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



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