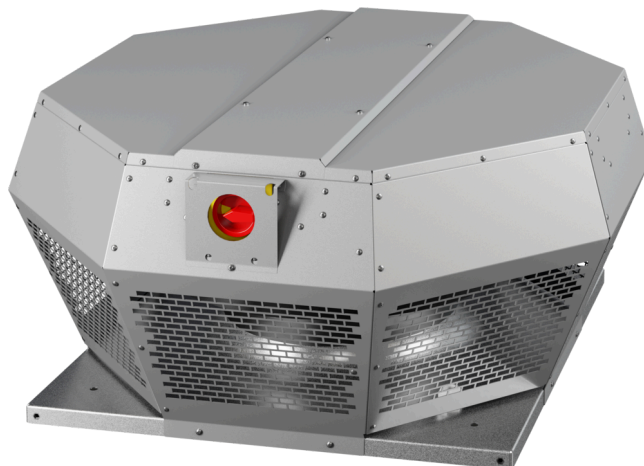


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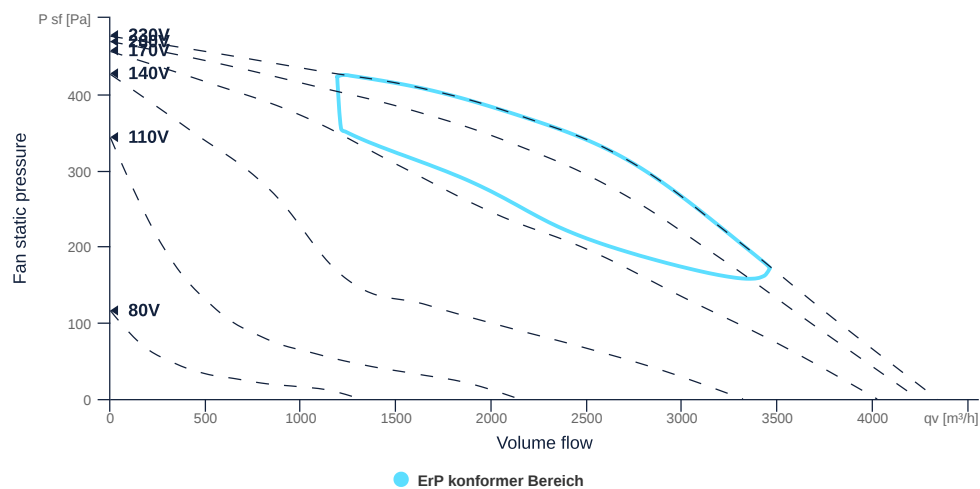
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- Horizontal discharge radial fan
- Backward curved impeller
- Housing made of aluminium AlMg3
- Robust single phase AC motor, voltage controllable
- Integrated thermal switch
- Integrated device switch



MAP

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



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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)	IP44		IP _{ebox}
Weight	19.5	kg	m
Nominal air flow rate, nominal point m³/h	3456	m³/h	q _{v,nom}
Nominal external pressure, static	170	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	0.96	m³/s	q _{v,nom}
Actual electrical input power, nominal point	0.42	kW	P _{e,nom}
Face velocity, nominal point	3.44	m/s	v _{nom}
Nominal external pressure, static	170	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	47.2	%	η _{es,SUP}
Enclosure sound level, nominal point	81	dB(A)	L _{WA2}
Rating	Product is compliant 2018		



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MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	456	W	P _{ed, max}
Max. operating current (device)	2.66	A	I _{ed, max}
Max. speed	1450	1/min	n _{max}
Max. stat. efficiency	48.4	%	η _{es}
Max. fan efficiency	49.4	%	η _e
Max. flowrate	4335	m³/h	q _{v, max}
Max. stat pressure	480	Pa	p _{sf, max}
Max. medium temperature	65	°C	T _{m, max}
Max. environment temperature	65	°C	T _{amb, max}
Min. environment temperature	-25	°C	T _{amb, min}
Min. voltage	80	V	U _{min}

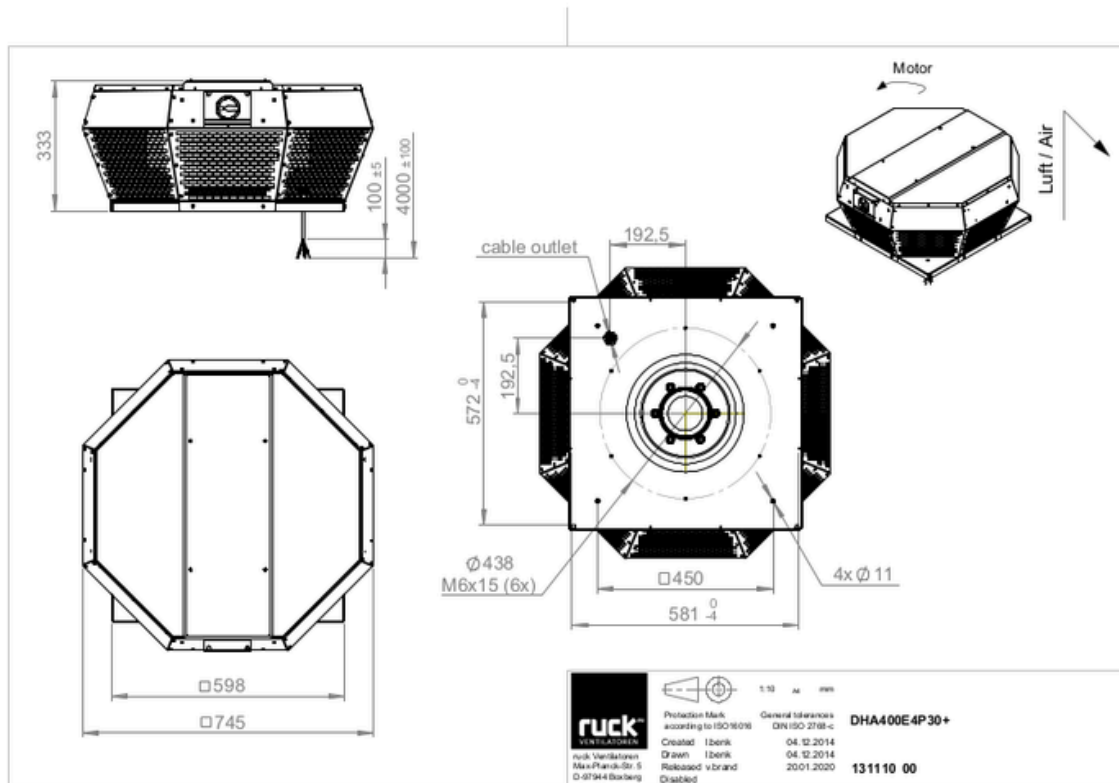
MOTOR DATA

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		TAE		protect _{motor}
Protection class		IP54		IP _{motor}
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwr _{sup} _{motor}
Capacity capacitor		9	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	2.33		A	I _{rated, f1}
Speed	1340		1/min	n _{f1}
Starting current	5.9		A	I _{start, f1}
Min. temperature	-40		°C	T _{motor, min}
UL-Certification motor		None		ULcert



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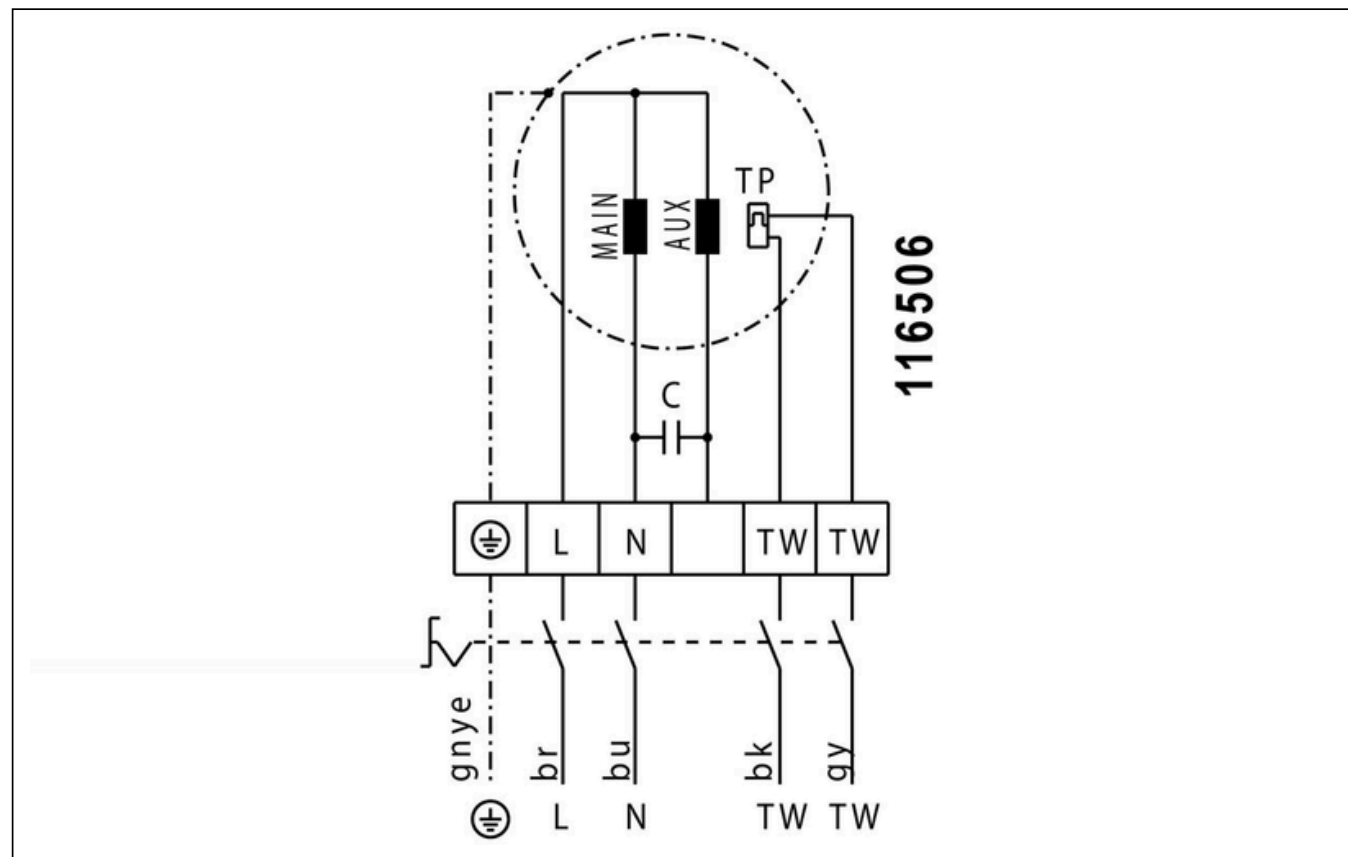
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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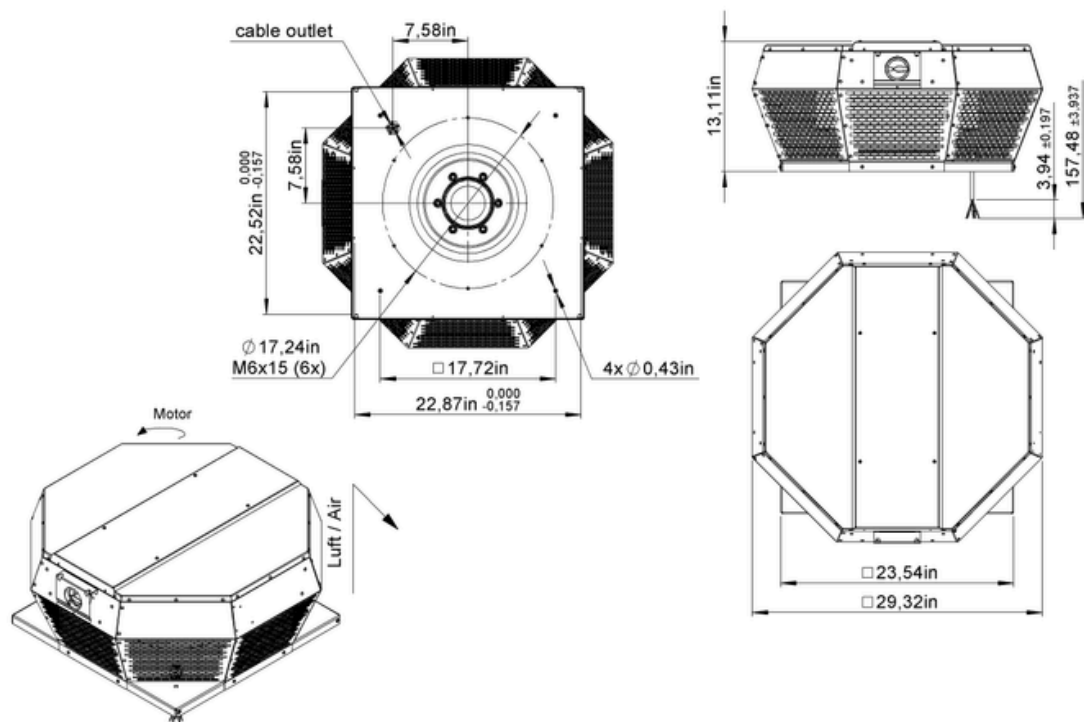
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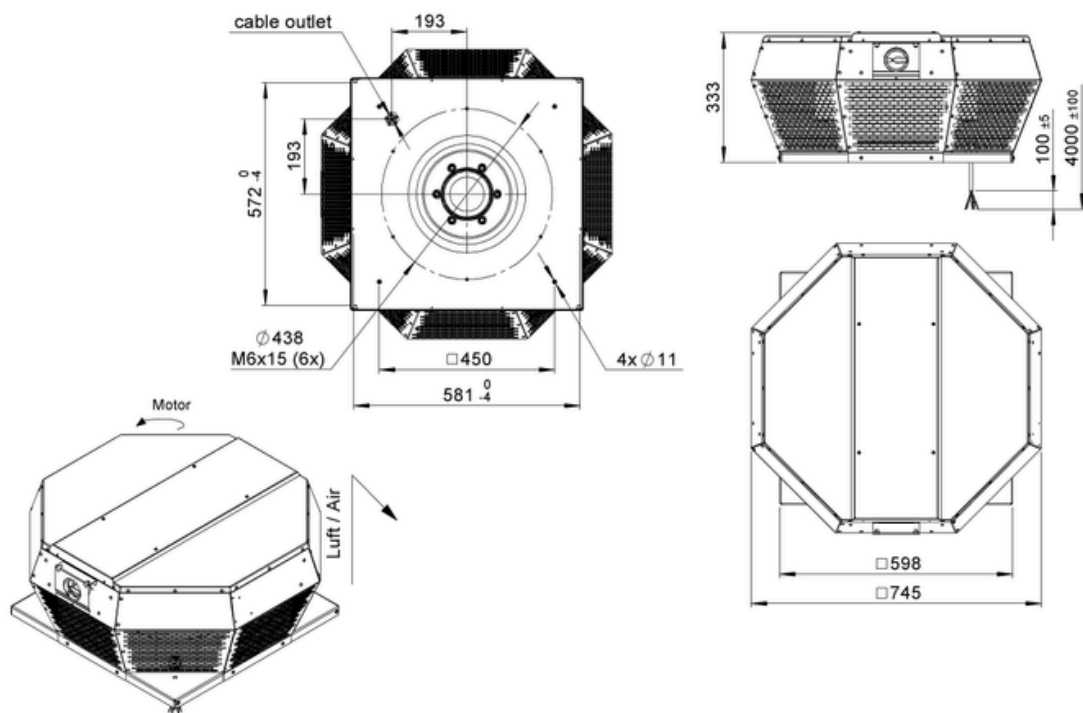
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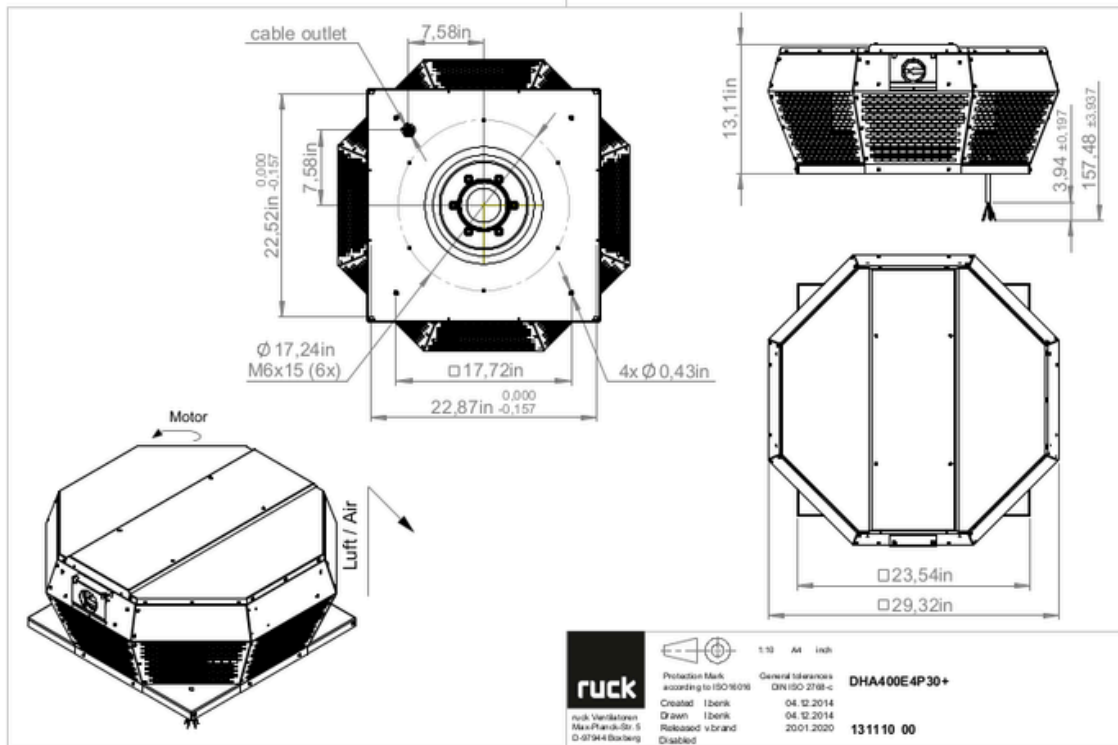


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MECHANICAL ACCESSORIES

DVK 400 10 | 152897



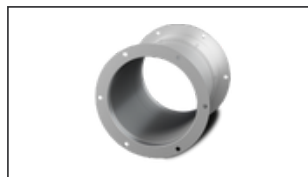
- Automatic roof shutter
- Galvanized steel sheet

DAF 400 | 109826



- Roof inlet flange
- Galvanized steel sheet

DAS 400 | 109827



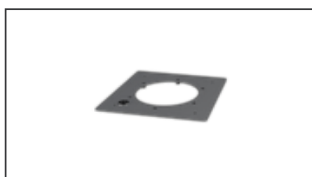
- Flexible roof inlet spigot
- Temperature resistant up to 75 °C

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°



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ELECTRICAL ACCESSORIES

TEM 035 | 103502



- 5-step transformer
- 230 V, 50/60 Hz, 3.5 A
- Output voltage: 230-190-170-140-110-80-0 V
- Protection class IP 54

TES 035 02 | 146195



- 5-step transformer
- 230 V, 50/60 Hz, 3.5 A
- Without housing, control cabinet installation
- Protection class IP 20



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