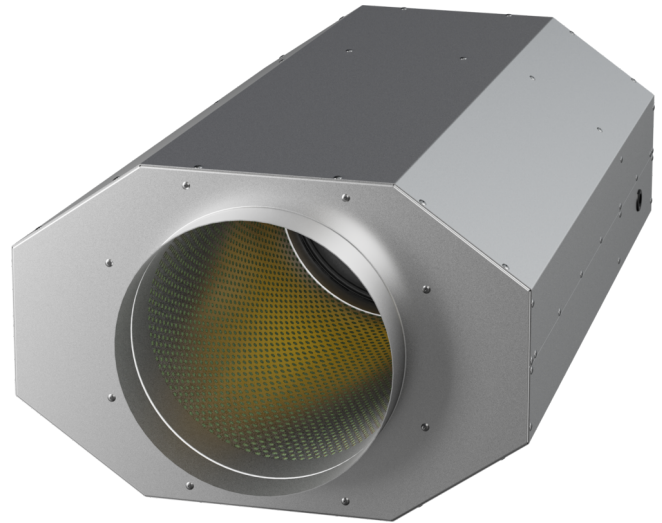


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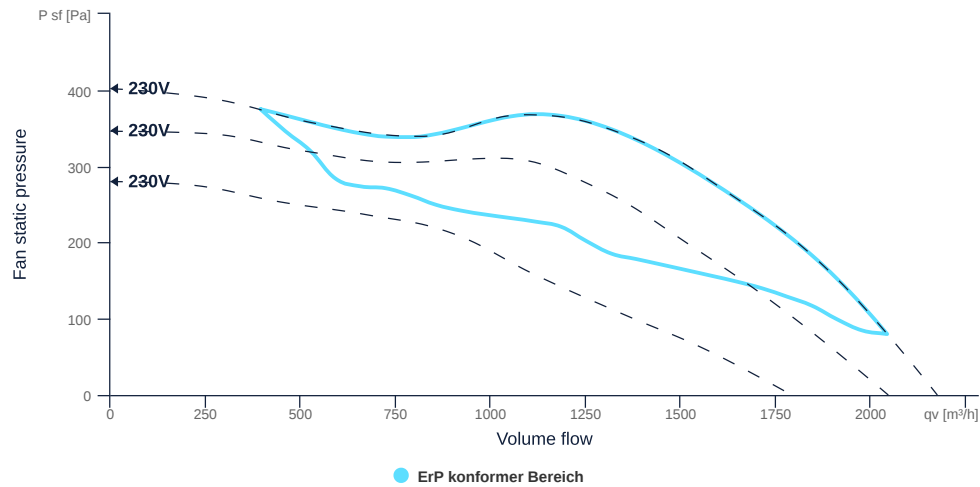
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- High-efficiency, insulated diagonal fan
- Optimum sound attenuation due to silencer
- Very compact housing made of galvanized sheet steel
- Robust AC motor, 3-steps controllable
- Highest aerodynamic efficiency
- Conveyed medium temperature up to 60 °C in continuous operation



MAP

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



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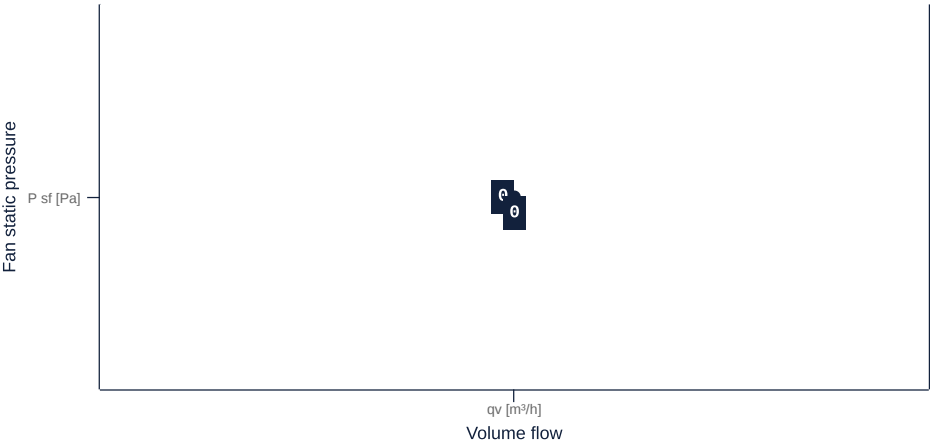
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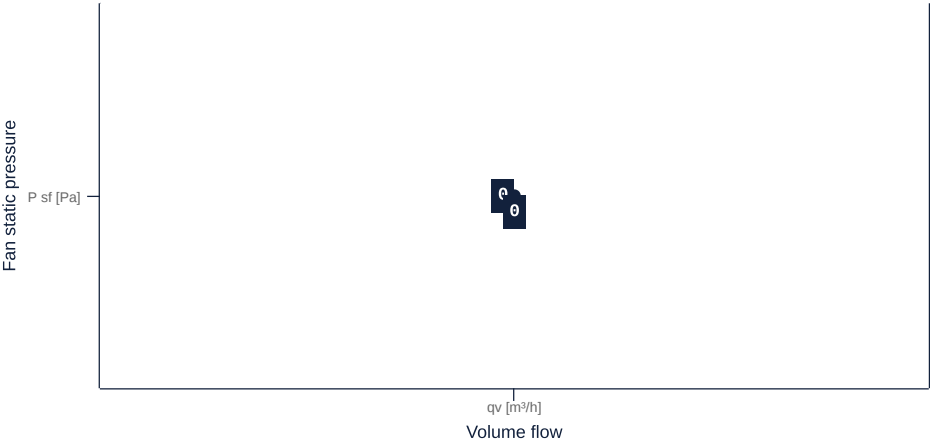
MAP

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

f= 0Hz



0°



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GENERAL DATA

Name	Value	Unit	Formula symbol
ERP conformity	Yes		
Certifications	CE, UKCA		
Duct size	-		WxH _{duct}
Pipe connection size (DN)	DN280		DN
Rated voltage (entire device)	230	V	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Galvanized steel		mat _{casing}
Impeller material	Plastic		mat _{impeller}
Weight	20.1	kg	m
Fan type	Diagonal		Fan _{type}
Category / Installation situation	B		cat

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	242	W	P _{ed, max}
Max. operating current (device)	1.11	A	I _{ed, max}
Max. speed	2850	1/min	n _{max}
Max. stat. efficiency	51.6	%	η _{es}
Max. fan efficiency	54.3	%	η _e
Max. flowrate	2175	m³/h	Q _{v, max}
Max. stat pressure	400	Pa	p _{sf, max}
Max. medium temperature	60	°C	T _{m, max}
Max. environment temperature	60	°C	T _{amb, max}
Min. environment temperature	-25	°C	T _{amb, min}



MOTOR DATA

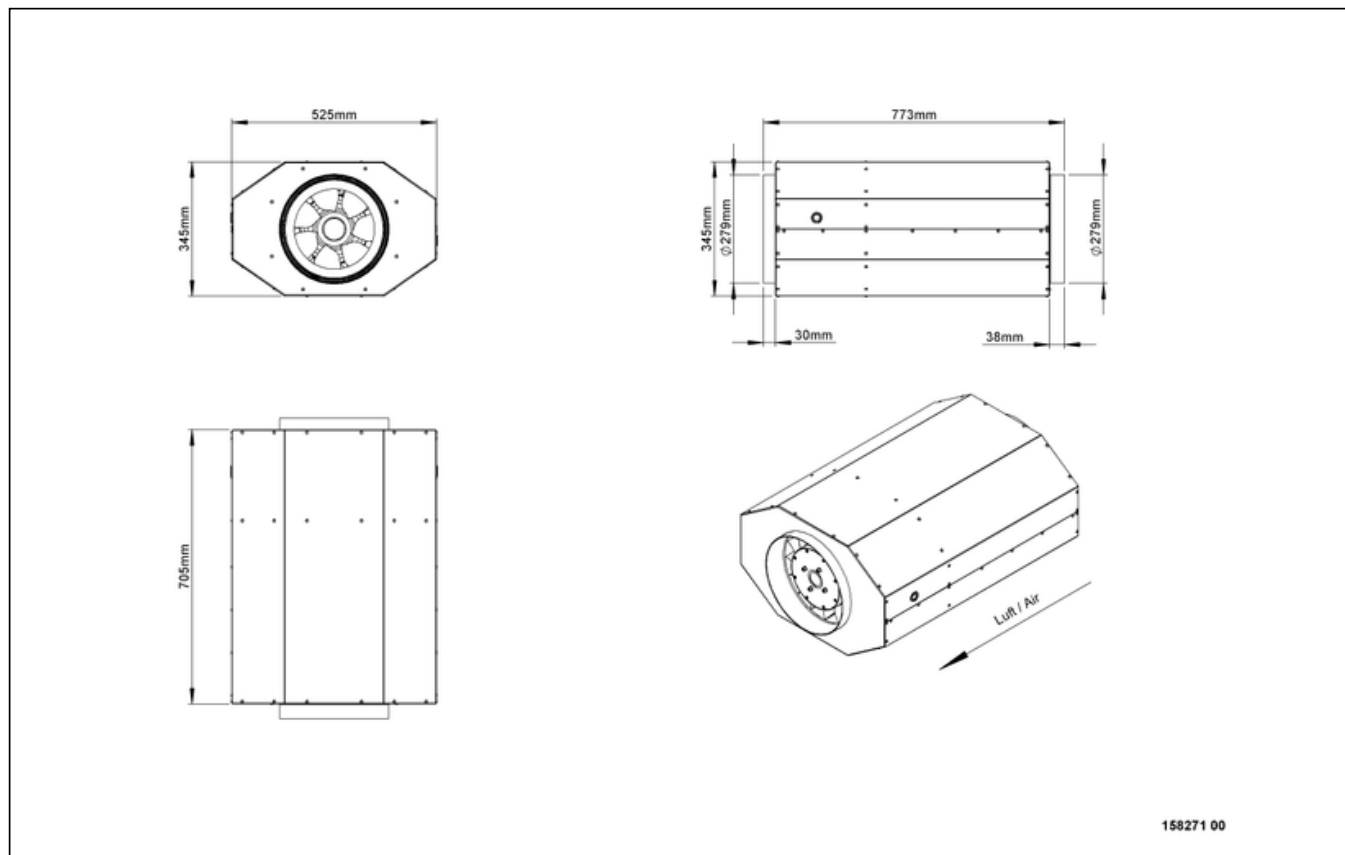
Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		AC 1~		phase
Installation type		IRM (In)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TAI		protect _{motor}
Protection class		IP00		IP _{motor}
Is pole-changeable		No		pole _{exch}
Type of power supply		AC 1~		pwr _{sup} _{motor}
Capacity capacitor		10	µF	C _{cond}
Voltage capacitor		450	V	VU _{cond}
Number of poles (1)		2.000000		num poles _{w1}
Rated voltage	230		V	U _{rated, f1}
Rated current	1.2		A	I _{rated, f1}
Shaft power	180		W	P _{out, f1}
UL-Certification motor		None		UL _{cert}

ERP DATA (LOT11)

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	2780	1/min	n _{opt}
Efficiency level	60.9	%	N
Efficiency category	total		cat _{efficiency}
Input power of the motor at the energy efficiency optimum	0.22	kW	P _{e, opt}
Overall efficiency	78.3	%	η _{ges}
Measurement category	B		meas cat
Fan pressure at energy efficiency optimum	365	Pa	p _{f, opt}
Flowrate at energy efficiency optimum	1213	m³/h	q _{v, opt}



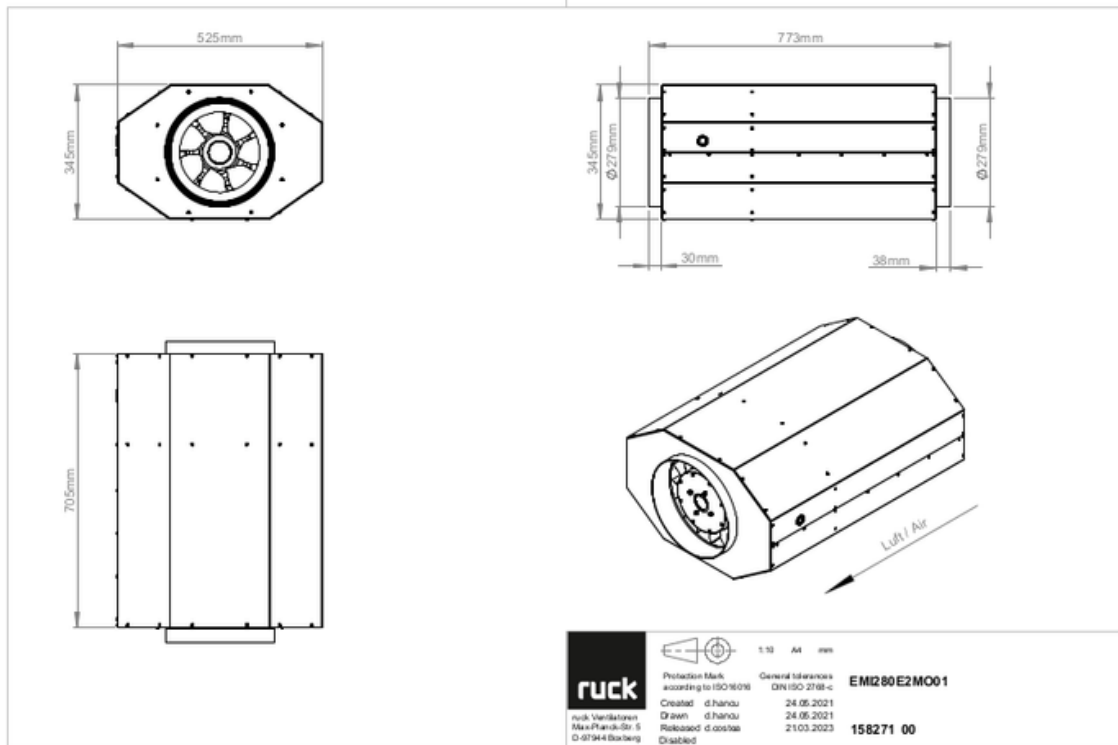
SCHALTPLÄNE / MASSZEICHNUNGEN



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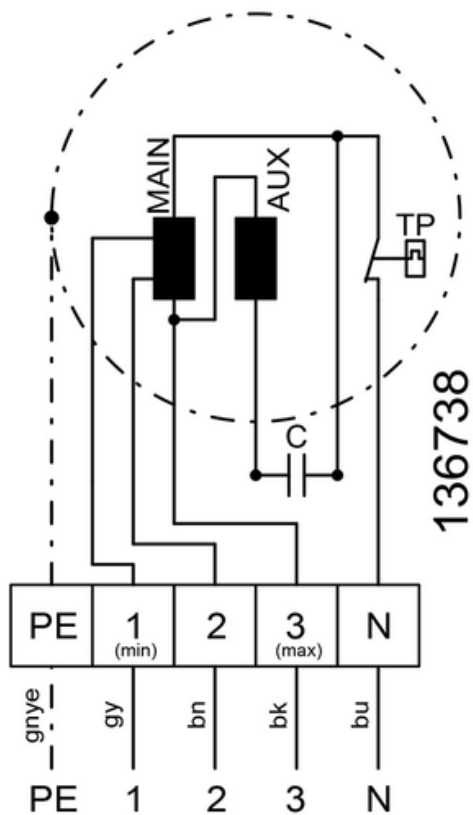


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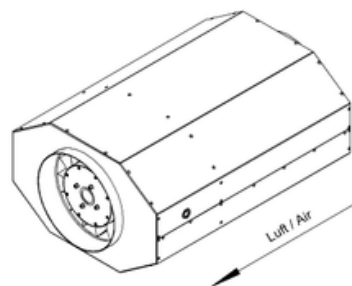
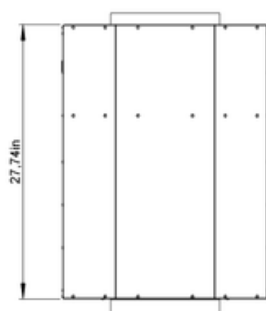
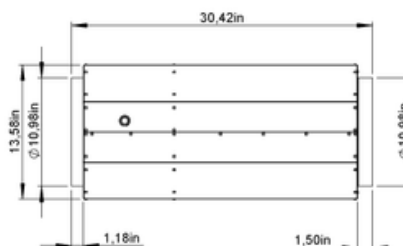
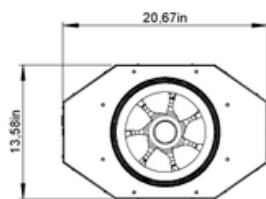


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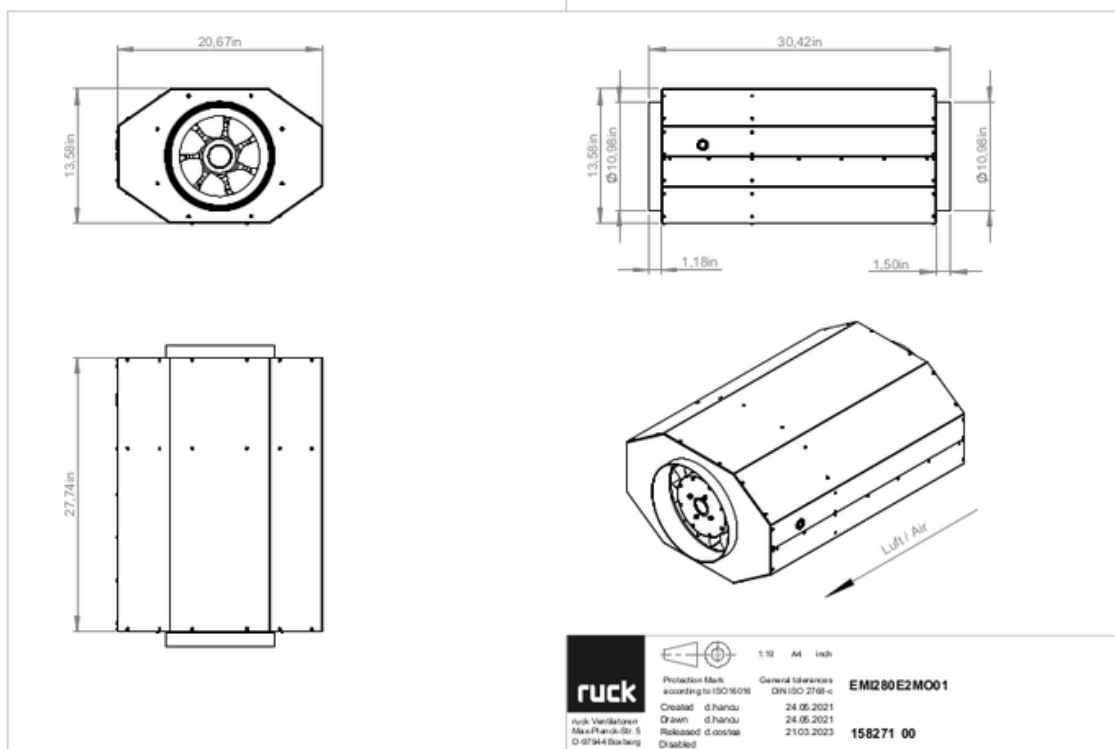
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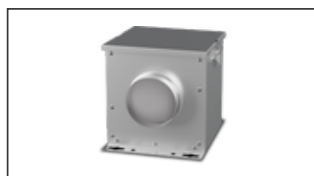
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MECHANICAL ACCESSORIES

FV 280 | 159318



- Air filter box with mat filter ISO Coarse 45 % (G3)
- Toggle-type fastener
- Galvanized steel sheet
- Max. temp. 80 °C

FT 280 | 159361



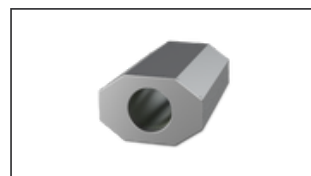
- Air filter box for pocket filter
- Toggle-type fastener
- Galvanized steel sheet housing
- Without filter

VM 280 | 115494



- Fast clamps for sound decoupling and sealing
- Galvanized steel sheet, 5 mm
- Neopren gasket
- 1 Pack = 2 pieces

SD 00280 500 R 05 | 158326



- Rigid tube silencer
- Galvanized steel sheet
- Insulated with mineral wool

RSK 280 | 159252



- Back draught shutter for tube fitting
- Sheet steel, powder coated
- Aluminum flaps

RSK 280D | 159257



- Back draught shutter for tube fitting
- Sheet steel, powder coated
- Aluminum flaps
- Integrated gasket



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ELECTRICAL ACCESSORIES

GS 03 | 107633



- Device switch
- $U_{max} = 400 \text{ V}$, $I_{max} = 25 \text{ A}$
- Switching capacity $400 \text{ V } 3\sim = 5,5 \text{ kW}$
- Protection class IP 55

MTS 10 | 128145



- 3-step switch
- Max. ambient temperature $50 \text{ }^{\circ}\text{C}$
- Surface and flush mounting
- IP 44



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