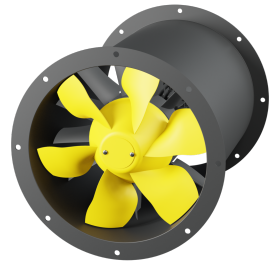


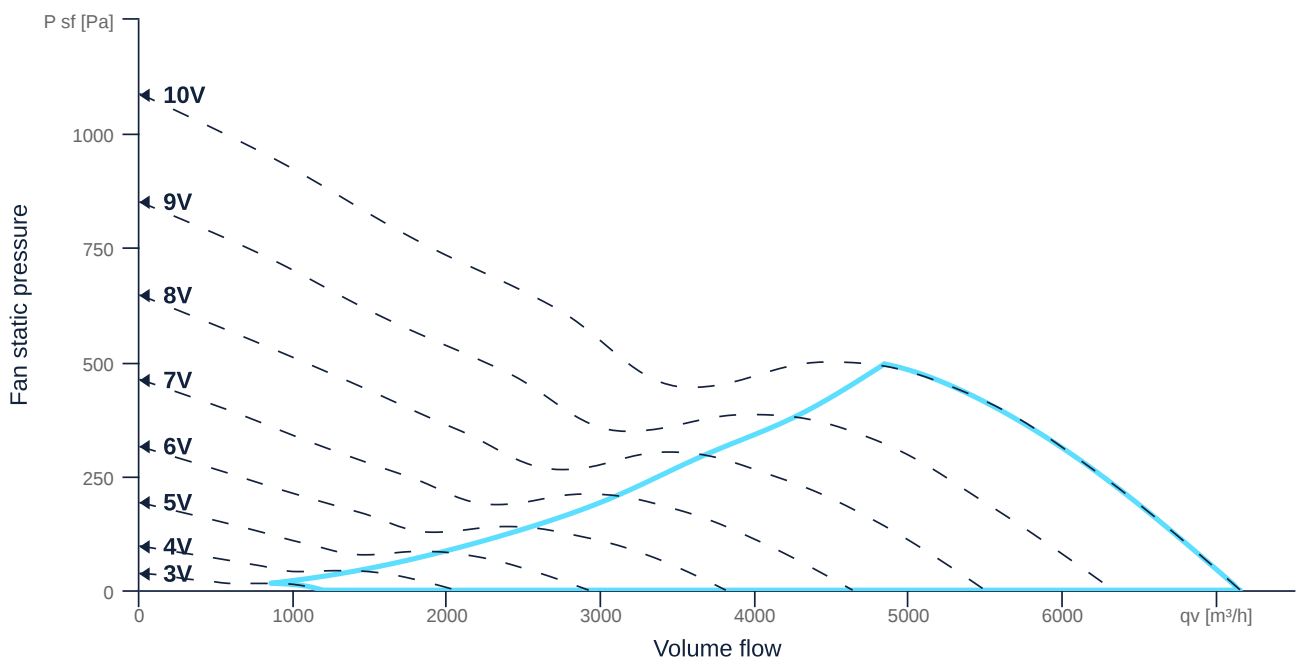
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154127

- Innovative, high-efficiency axial fan
- Optimally tuned, CFD-optimized aerodynamics
- Housing weight optimized, powder coated
- High efficiency IE5 motor, steplessly controllable
- Conveyed medium temperature up to 60 °C in continuous operation
- Exceeds current ErP regulation by 15 - 20%



MAP



GENERAL DATA

Name	Value	Unit	Formula symbol
Duct size	-		WxH _{duct}
Pipe connection size (DN)	DN355		DN
Electrical protection (entire device)	50 A		fuse
Housing material	Steel		mat _{casing}
Impeller material	Steel		mat _{impeller}
Weight	18.13	kg	m
Fan type	Axial		Fan _{type}
Category / Installation situation	B		cat
Sound insulation	No		snd _{ins}
Rated voltage (entire device)	230	V	U _{rated}
Phases (entire device)	1~		phase



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MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	1648	1648	W	$P_{ed, max}$
Max. operating current (device)	8.5	8.5	A	$I_{ed, max}$
Max. speed	3000	3000	1/min	n_{max}
Max. stat. efficiency	55.7	55.7	%	η_{es}
Max. fan efficiency	70.7	70.7	%	η_e
Max. flowrate	7155	7155	m ³ /h	$Q_{v, max}$
Max. stat pressure	500	500	Pa	$p_{st, max}$
Max. medium temperature	60	60	°C	$T_{m, max}$
Max. environment temperature	60	60	°C	$T_{amb, max}$
Min. environment temperature	-20	-20	°C	$T_{amb, min}$

MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)	50.000000			f
Motor type	EC			phase
Control type	stepless-controlled			ctrltype
Installation	IRM (In)			install
Isolation class	ISO F			ISOclass
Motor-protection	TEC			protectmotor
Protection class	IP55			IPmotor
Is pole-changeable	No			polexch
Type of power supply	AC 1~			pwrsupmotor
Rated voltage	220		V	$U_{rated, f1}$
Rated voltage (wiring 2)	277		V	$U_{rated, f2}$
Rated current	8.7		A	$I_{rated, f1}$
Rated current (wiring 2)	6.9		A	$I_{rated, f2}$
Shaft power	1100		W	$P_{out, f1}$
Shaft power (wiring 2)	1100		W	$P_{out, f2}$
Speed	3000		1/min	n_{f1}
Speed (wiring 2)	3000		1/min	n_{f2}
Efficiency	87.8		%	$\eta_m, f1$
Efficiency (wiring 2)	87.8		%	$\eta_m, f2$
Min. temperature	-20		°C	$T_{motor, min}$
Cos Phi	0.000000	0.000000		cos φ



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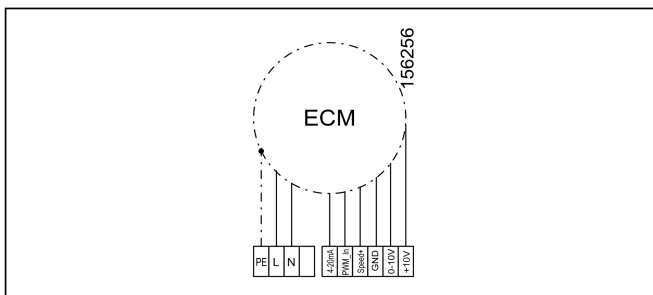
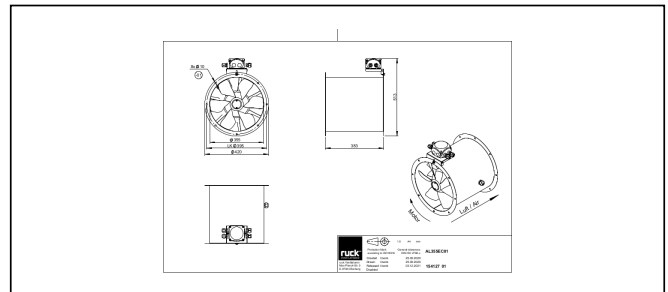
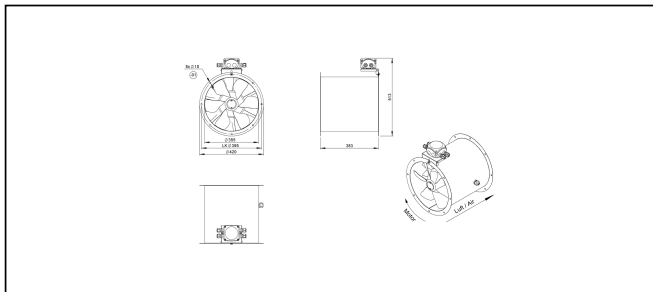
PRODUCT INFORMATION

Name	Value	Unit	Formula symbol
Category / Installation situation	B		cat
Fan type	Axial		Fan type

ERP DATA

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	3005	1/min	n_{opt}
Efficiency level	72.1	%	N
Efficiency category	total		cat efficiency
Input power of the motor at the energy efficiency optimum	1.14	kW	$P_{e, opt}$
Overall efficiency	78.1	%	η_{ges}
Measurement category	B		meas cat
Fan pressure at optimum energy efficiency point	506	Pa	$p_{f, opt}$
Flowrate at energy efficiency optimum	5175	m ³ /h	$q_{v, opt}$

SCHALTPLÄNE / MASSZEICHNUNGEN



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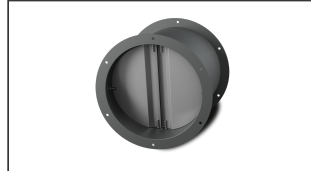
MECHANICAL ACCESSORIES

RVK 355 | 153889



- Automatic tube damper
- Sheet steel, powder coated
- Suitable for outdoor installation
- Flange mounting

RVK H 355 | 154872



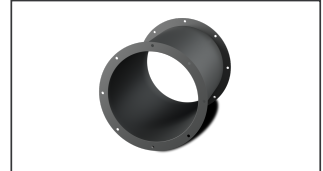
- Automatic tube damper
- Sheet steel, powder coated
- For horizontal installation
- Suitable for outdoor installation
- Flange mounting

RAF 355 | 154018



- Round inlet flange
- Sheet steel, powder coated
- Suitable for outdoor installation

RVS 355 | 154176



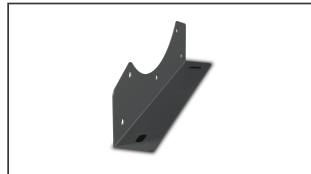
- Tube connection spigot
- Sheet steel, powder coated
- Suitable for outdoor installation
- Flange mounting

ESD 355 | 153961



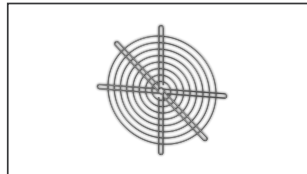
- Inlet cone
- Suitable for outdoor installation

FAL 355 | 154806



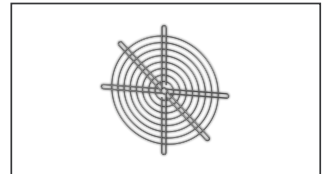
- Mounting foot
- Sheet steel, powder coated

SGW 355 | 154049



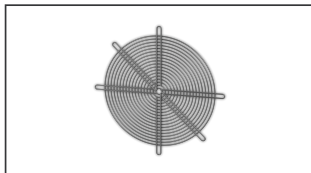
- Protection grille, wide-meshed
- Galvanized steel sheet
- In connection with Inlet cone Protection grille is to be selected one size larger
- Flange mounting

SGW 400 | 154050



- Protection grille, wide-meshed
- Galvanized steel sheet
- In connection with Inlet cone Protection grille is to be selected one size larger
- Flange mounting

SGE 355 | 154062



- Protection grille, close-meshed
- Galvanized steel sheet
- In connection with Inlet cone Protection grille is to be selected one size larger
- Flange mounting

FSD 01 | 155498



- Vibration damper
- All metal design, electrogalvanized

FSD 05 | 155502



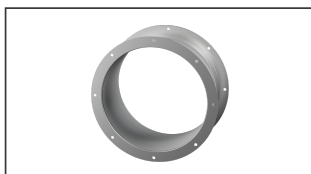
- Vibration damper
- Made from natural rubber

CLIMASET 01 | 111314



- Climaset
- For differential pressure measurement

RAS 355 | 154247



- Round inlet spigot
- Flexible
- Galvanized steel sheet, plastic strap (PES)
- Temperature resistant up to 75 °C



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ELECTRICAL ACCESSORIES

GS 02 | 105386



- Isolator switch
- $U_{max} = 400\text{ V}$, 50/60 Hz
- Switching capacity 400 V 3~ = 5,5 kW
- $I_{max} = 16\text{ A}$

MTP 20 | 128146



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

MTP 30 | 143289



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

MTP 40 | 147359



- Potentiometer 10 k Ω
- 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



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