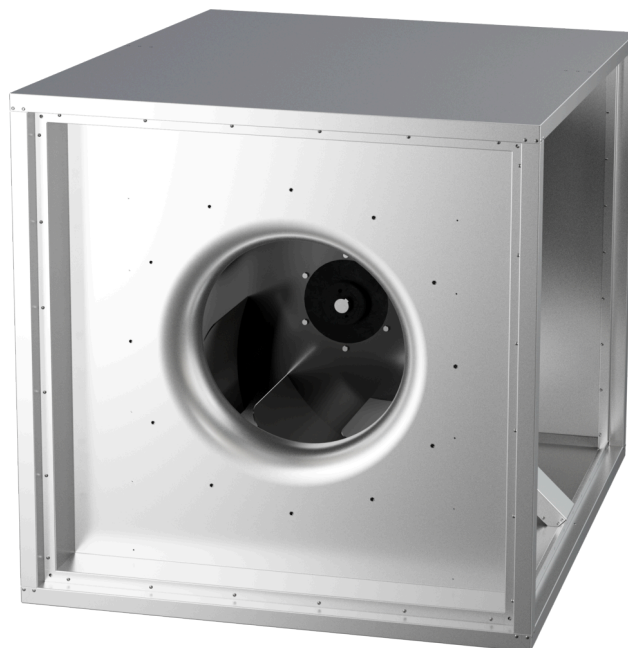


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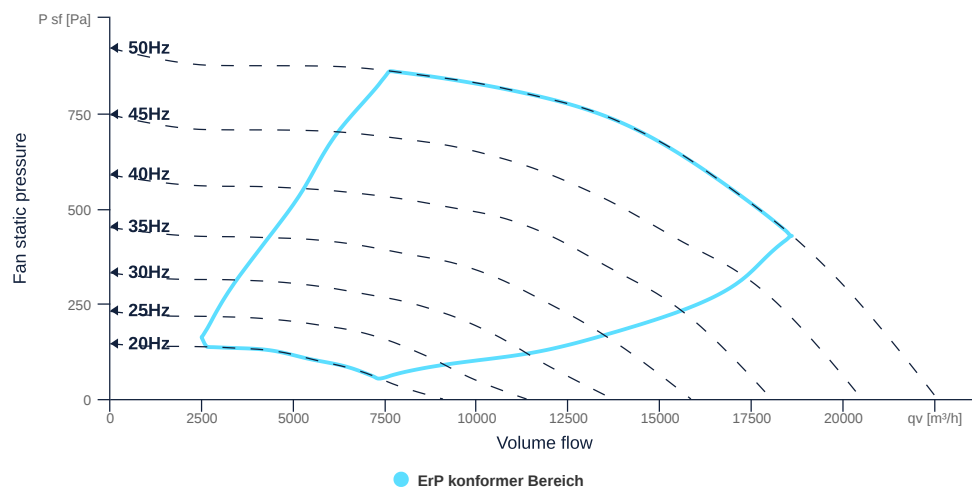
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- Radial fan with backward curved impeller
- Variable discharge direction right / left / linear
- Double wall housing made of galvanized steel sheet, insulated
- Efficient IE3 motor, frequency controllable
- Motor protection via frequency converter or motor protection switch
- With bottom tray



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)	DN710		DN
Rated voltage (entire device)	400	V	U _{rated}
Phases (entire device)	3~		phase
Electrical protection (entire device)	10 A		fuse
Housing material	Galvanized steel		mat _{casing}
Impeller material	Steel		mat _{impeller}
Weight	248	kg	m
Nominal air flow rate, nominal point m³/h	13543.2	m³/h	q _{v,nom}
Nominal external pressure, static	733.1	Pa	p _{s,nom}
Fan type	Radial		F _{antype}
Category / Installation situation	A		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m³/s	3.76	m³/s	q _{v,nom}
Actual electrical input power, nominal point	4.5	kW	P _{e,nom}
Face velocity, nominal point	3.3	m/s	v _{nom}
Nominal external pressure, static	733.1	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	61.3	%	η _{es,SUP}
Highest external air leakage rate	0.01	%	
Enclosure sound level, nominal point	74	dB(A)	L _{WA2}
Rating	Product is compliant 2018		

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	4600	W	P _{ed, max}
Max. operating current (device)	9.7	A	I _{ed, max}
Max. speed	990	1/min	n _{max}
Max. stat. efficiency	59.3	%	η _{es}
Max. fan efficiency	59.8	%	η _e
Max. flowrate	22560	m³/h	q _{v, max}
Max. stat pressure	920	Pa	p _{sf, max}
Max. medium temperature	60	°C	T _{m, max}
Max. environment temperature	60	°C	T _{amb, max}
Min. environment temperature	-20	°C	T _{amb, min}



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MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		AC 3~		phase
Control type		frequency-controlled		ctrltype
Installation type		IRM (In)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Is pole-changeable		No		polexch
Type of power supply		AC 3~		pwrsupmotor
Number of poles (1)		6.000000		num polesw1
Connection	Δ	Δ		wiringw1
Connection (wiring 2)	Y			wiringw2
Rated voltage	400	460	V	Urated, f1
Rated voltage (wiring 2)	690		V	Urated, f2
Rated current	8.99	7.9	A	Irated, f1
Rated current (wiring 2)	5.21		A	Irated, f2
Shaft power	4000	4000	W	Pout, f1
Shaft power (wiring 2)	4000		W	Pout, f2
Speed	960	1165	1/min	n _{f1}
Speed (wiring 2)	960		1/min	n _{f2}
Starting current	58.4	52.1	A	Istart, f1
Starting current (wiring 2)	33.9		A	Istart, f2
Efficiency	86.8	89.5	%	η _m , f1
Efficiency (wiring 2)	86.8		%	η _m , f2
Efficiency class	IE3	IE3		IE _{motor}
Min. temperature	-20	-20	°C	T _{motor} , min
Cos Phi	0.740000	0.710000		cos φ
UL-Certification motor		UL recognized		ULcert

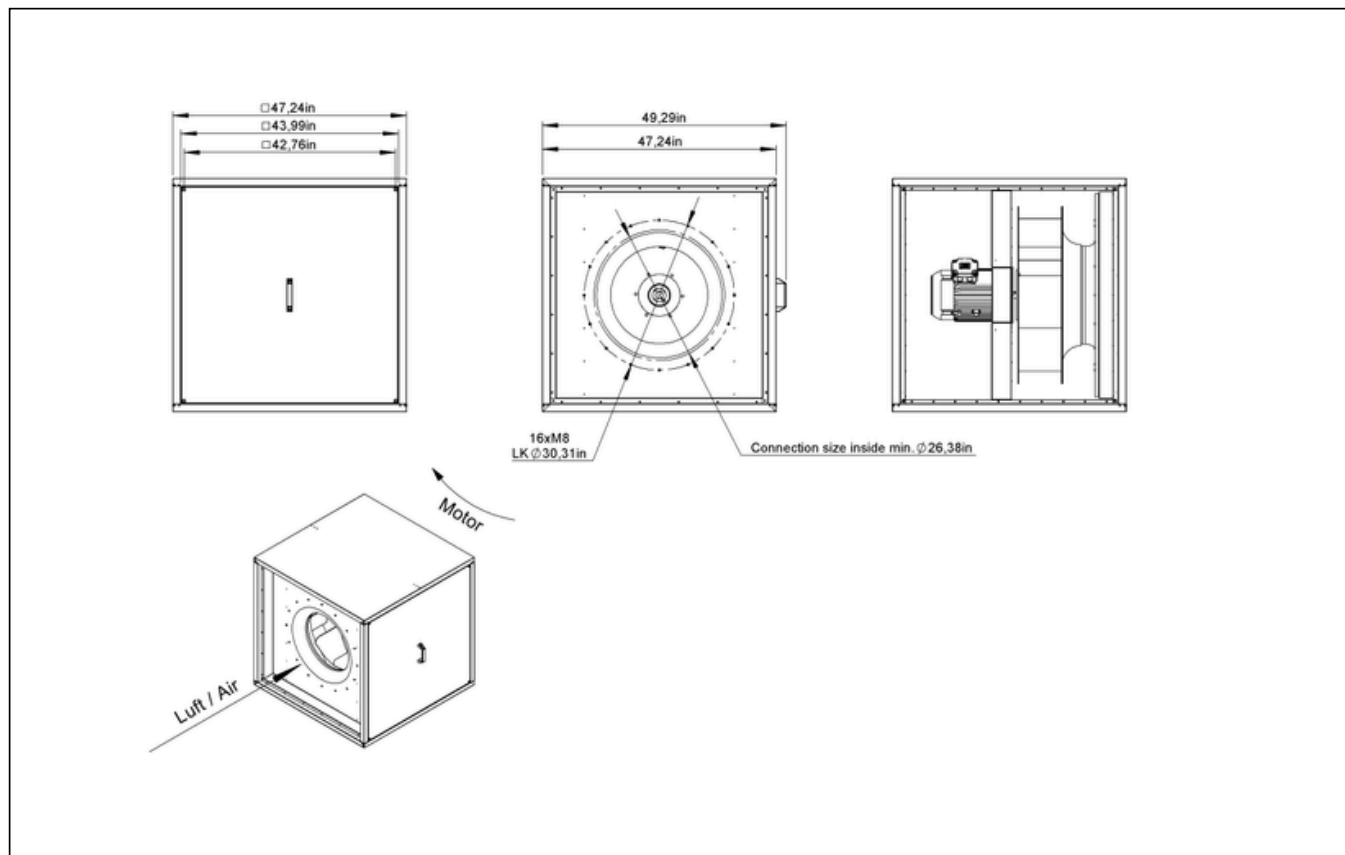
SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass



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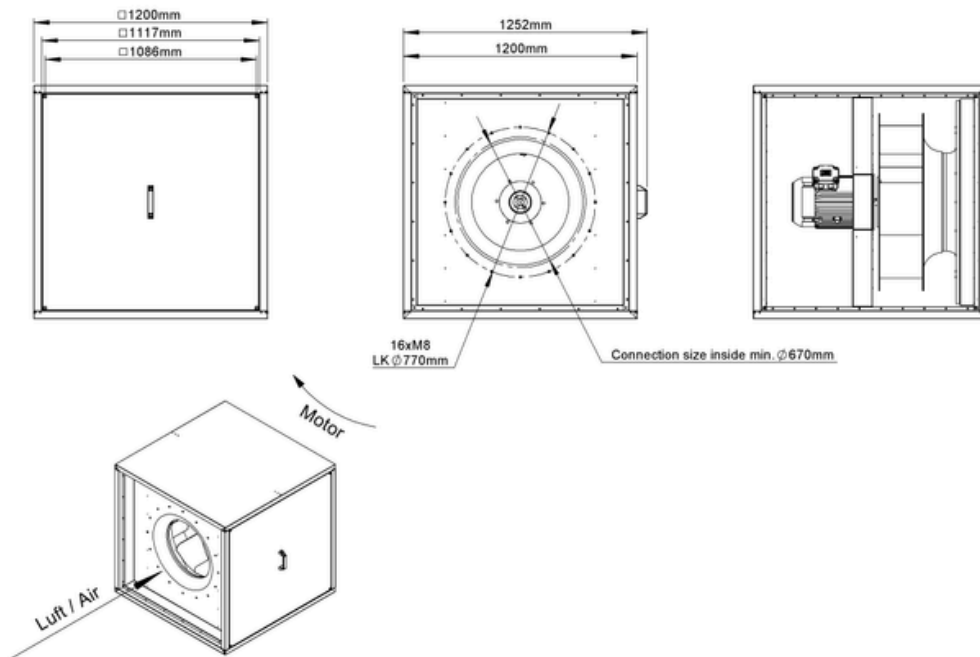
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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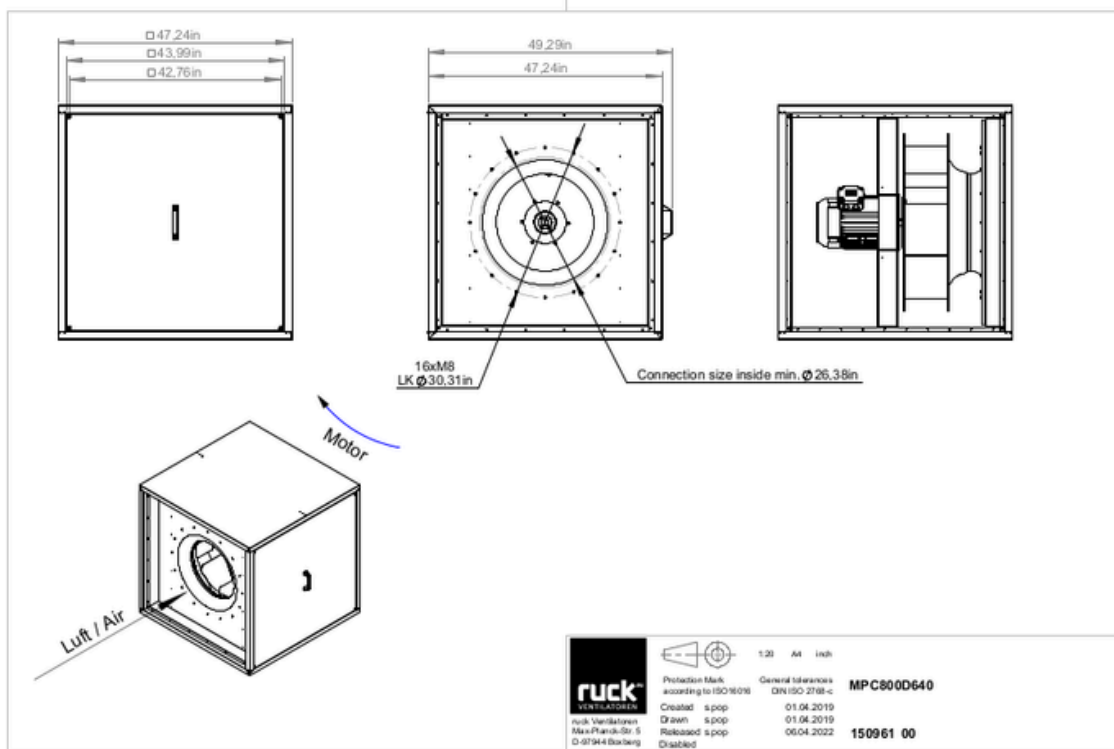


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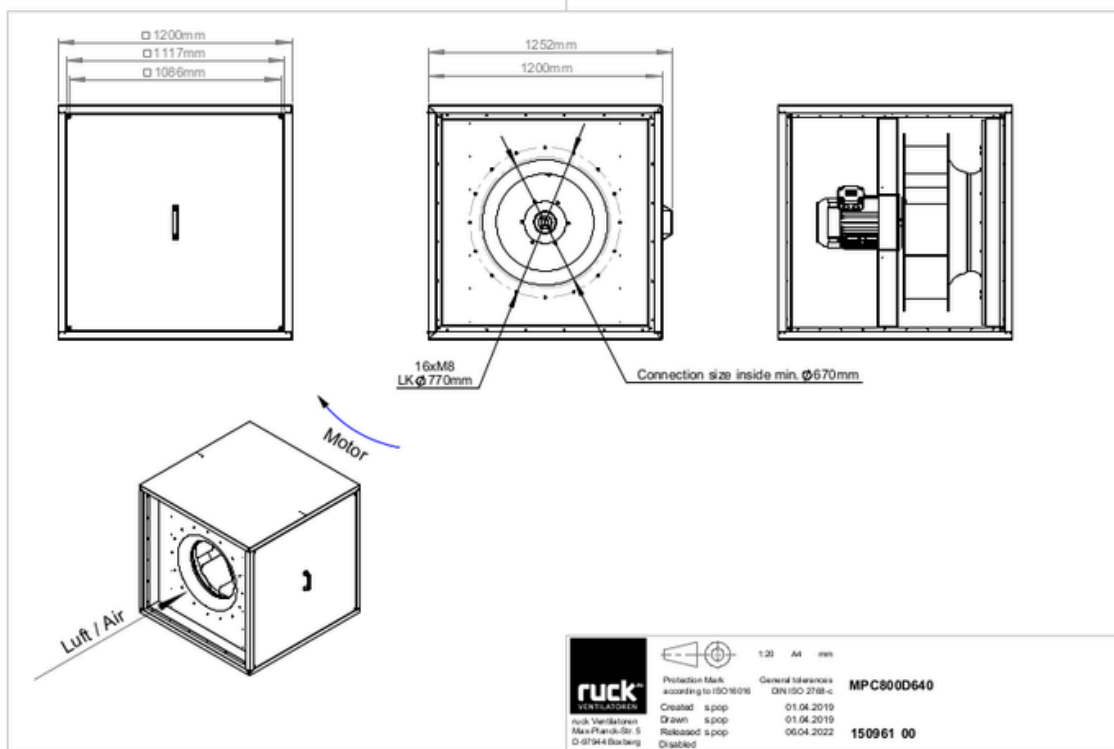
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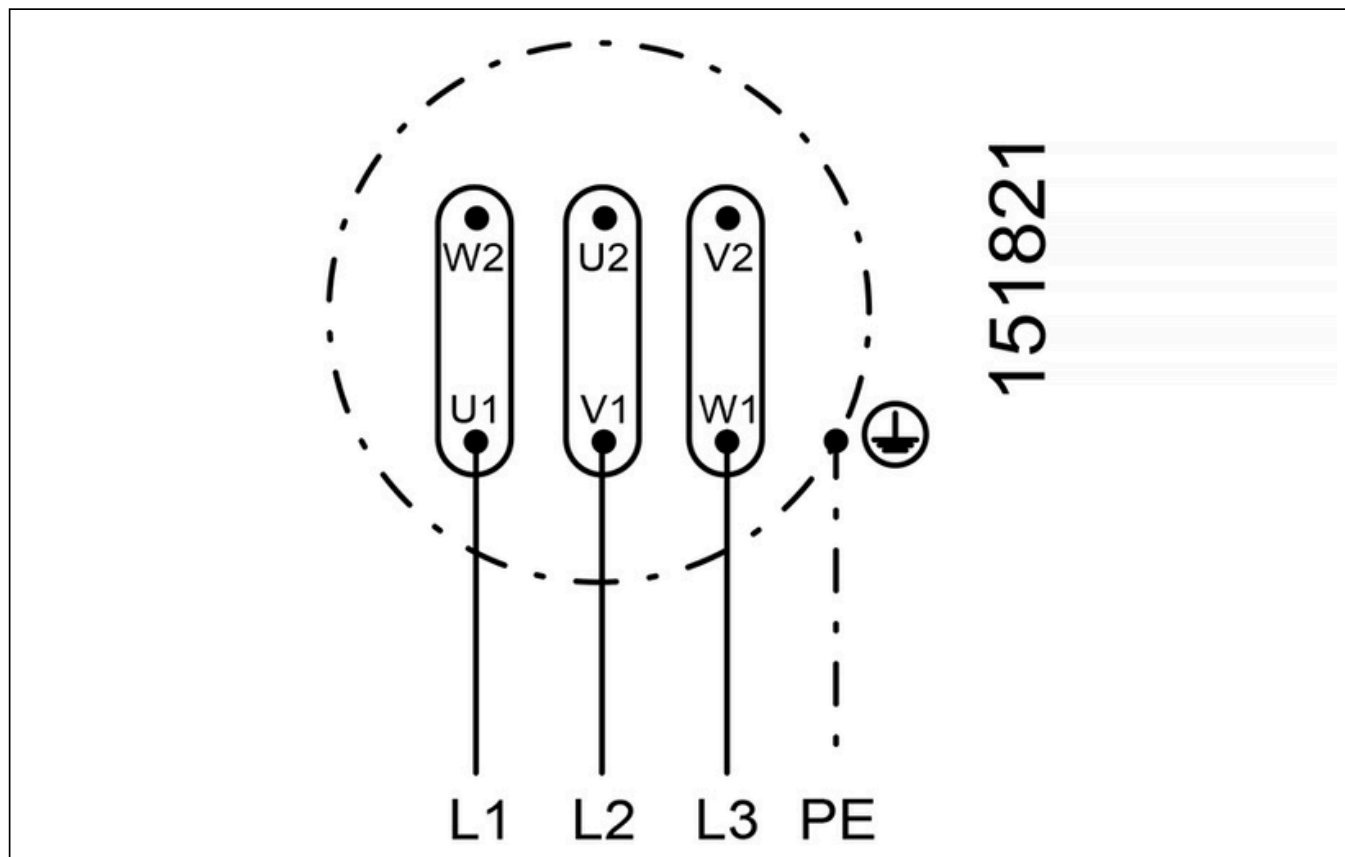
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MECHANICAL ACCESSORIES

USM 1200 710 | 152657



- Transition spigot
- Galvanized steel sheet
- Insulated

USM 1200 630 | 152665



- Transition spigot
- Galvanized steel sheet
- Insulated

GR MPC 04 | 152696



- Base frame für MPC
- Galvanized steel sheet

RVK 710 | 153914



- Automatic tube shutter
- Sheet steel, powder coated
- For vertical installation
- Flange mounting

RVK H 710 | 154879



- Automatic tube shutter
- Sheet steel, powder coated
- For horizontal installation
- Flange mounting

UQR 1200 710 01 | 152628



- Transition duct/tube
- Galvanized steel sheet
- Incl. 4 cylinder cap screws (M8 x 16 mm), 4 serrated lock washers for nominal size M8

UQR 1200 630 01 | 152633



- Transition duct/tube
- Galvanized steel sheet
- Incl. 4 cylinder cap screws (M8 x 16 mm), 4 serrated lock washers for nominal size M8

AS MPC 710 | 152672



- Inlet spigot
- Galvanized steel sheet

RVS 710 | 154201



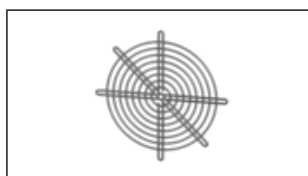
- Tube connection spigot
- Sheet steel, powder coated
- Suitable for outdoor installation
- Flange mounting

ESD 710 | 153939



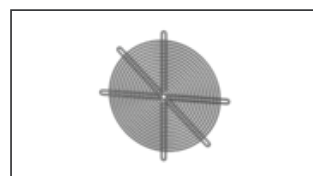
- Inlet cone
- Steel sheet, powder coated
- Flange mounting

SGW 710 | 154056



- Protection grille, wide meshed
- Steel sheet, galvanized
- Flange mounting

SGE 710 | 154083



- Protection grille, narrow meshed
- Steel sheet, galvanized
- Flange mounting

WSG MPC 1200 | 152716



- Weather protection grille
- Galvanized steel sheet

RD MPC 1200 | 152745



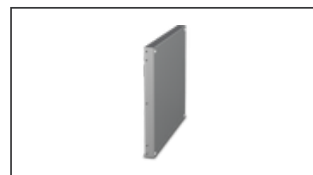
- Rain cover for outdoor installation
- Galvanized steel sheet

FB 1200 | 160870



- Air filter box for panel filter
- For MPC box 1200
- For 1 or 2 filter (not included)
- Housing made of galvanized sheet steel

UCP 1200 | 152667



- Closed panel
- Galvanized steel sheet

WSH MPC 04 | 152682

RAF 710 | 154024

RAS 710 | 154253



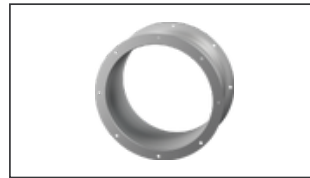
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- Weather protection hood
- Galvanized steel sheet



- Round flange
- Sheet steel, powder coated



- Round spigot, flexible
- Galvanized steel sheet, plastic band (PES)
- Temperature resistant up to 75 °C
- Flange mounting

ELECTRICAL ACCESSORIES

GS 03 | 107633



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

MS 04 | 140413



- Motor protection switch with Isolator switchfunktion
- I_{max} = 400 V, 50/60 Hz
- Max. 4 kW
- Protection class IP 55

MTP 20 | 128146



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

MTP 30 | 143289



- Stepped potentiometer 10 kΩ
- Step 1 + 2 settable 10 % - 100 % V_{dc}
- Step 3 100 % V_{dc}
- Supply voltage +10 V_{dc}

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

FU 55 18 | 155989



- Frequency converter
- Supply voltage 400 V 3~ 50/60 Hz
- Output voltage 0 - 400 V 3~
- Fire mode function (smoke extract fans)

FU 55 17 | 155988



- Frequency converter
- Supply voltage 400 V 3~ 50/60 Hz
- Output voltage 0 - 400 V 3~
- Protection class IP 20, for switch cabinet

MTP 50 | 153133



- 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



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