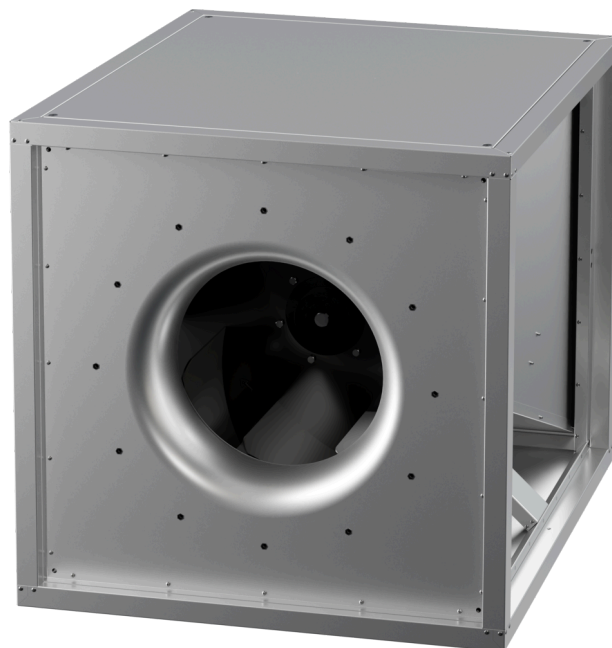


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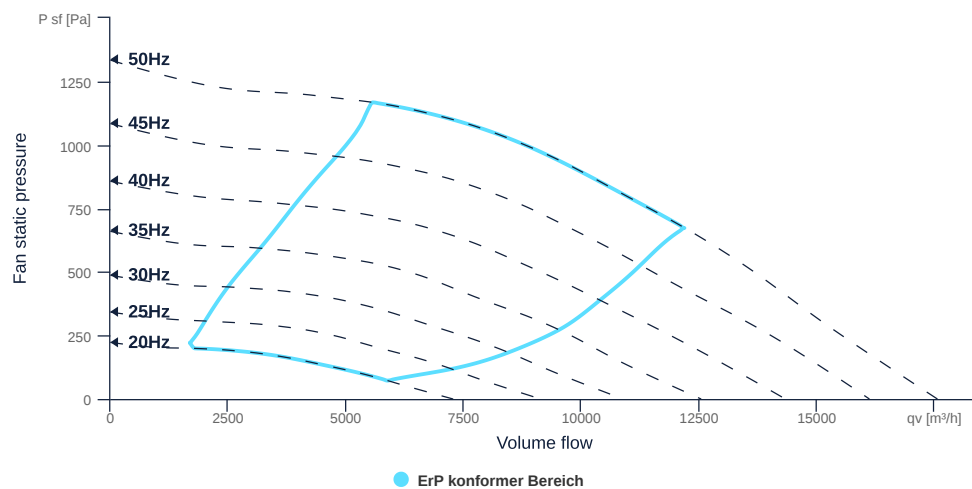
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- Backward curved radial impeller
- Variable discharge direction right / left / up
- Galvanized sheet steel housing, double-walled, 25 mm mineral wool
- IE3 motor outside airflow, frequency controllable
- Smoke extract fan F400, 200 °C continuous operation, dual-use
- Housing bottom designed with integrated drain



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)	-		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	140	kg	m
Nominal air flow rate, nominal point m³/h	12484.8	m³/h	q _{v,nom}
Nominal external pressure, static	652	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	3.47	m³/s	q _{v,nom}
Actual electrical input power, nominal point	4.27	kW	P _{e,nom}
Face velocity, nominal point	5.9	m/s	v _{nom}
Nominal external pressure, static	652	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	66.6	%	η _{es,SUP}
Highest external air leakage rate	0.11	%	
Enclosure sound level, nominal point	84	dB(A)	L _{WA2}
Rating	Product is compliant 2018		

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	4325	W	P _{ed, max}
Max. operating current (device)	8.82	A	I _{ed, max}
Max. speed	1480	1/min	n _{max}
Max. stat. efficiency	55.8	%	η _{es}
Max. fan efficiency	56.6	%	η _e
Max. flowrate	17540	m³/h	q _{v, max}
Max. stat pressure	1330	Pa	p _{sf, max}
Max. medium temperature	200	°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)		4.000000		num polesw1
Connection	Δ	Y		wiringw1
Connection (wiring 2)	Y			wiringw2
Rated voltage	230	460	V	U _{rated, f1}
Rated voltage (wiring 2)	400		V	U _{rated, f2}
Rated current	14.3	7.28	A	I _{rated, f1}
Rated current (wiring 2)	8.2		A	I _{rated, f2}
Shaft power	4000	4000	W	P _{out, f1}
Shaft power (wiring 2)	4000		W	P _{out, f2}
Speed	1450	1755	1/min	n _{f1}
Speed (wiring 2)	1450		1/min	n _{f2}
Starting current	100	58.2	A	I _{start, f1}
Starting current (wiring 2)	57.4		A	I _{start, f2}
Efficiency	89.1	89.5	%	η _{m, f1}
Efficiency (wiring 2)	89.1		%	η _{m, f2}
Efficiency class	IE3	IE3		IE _{motor}
Min. temperature	-20	-20	°C	T _{motor, min}
Cos Phi	0.790000	0.770000		cos φ
UL-Certification motor		UL recognized		ULcert

SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Maximum resistance temperature	400	°C	T _{fire}
Maximum resistance time	120.000000		t _{fire}
Fire resistance class	F 400 (120)		F _{class}
Snow load class	-		SL _{class}



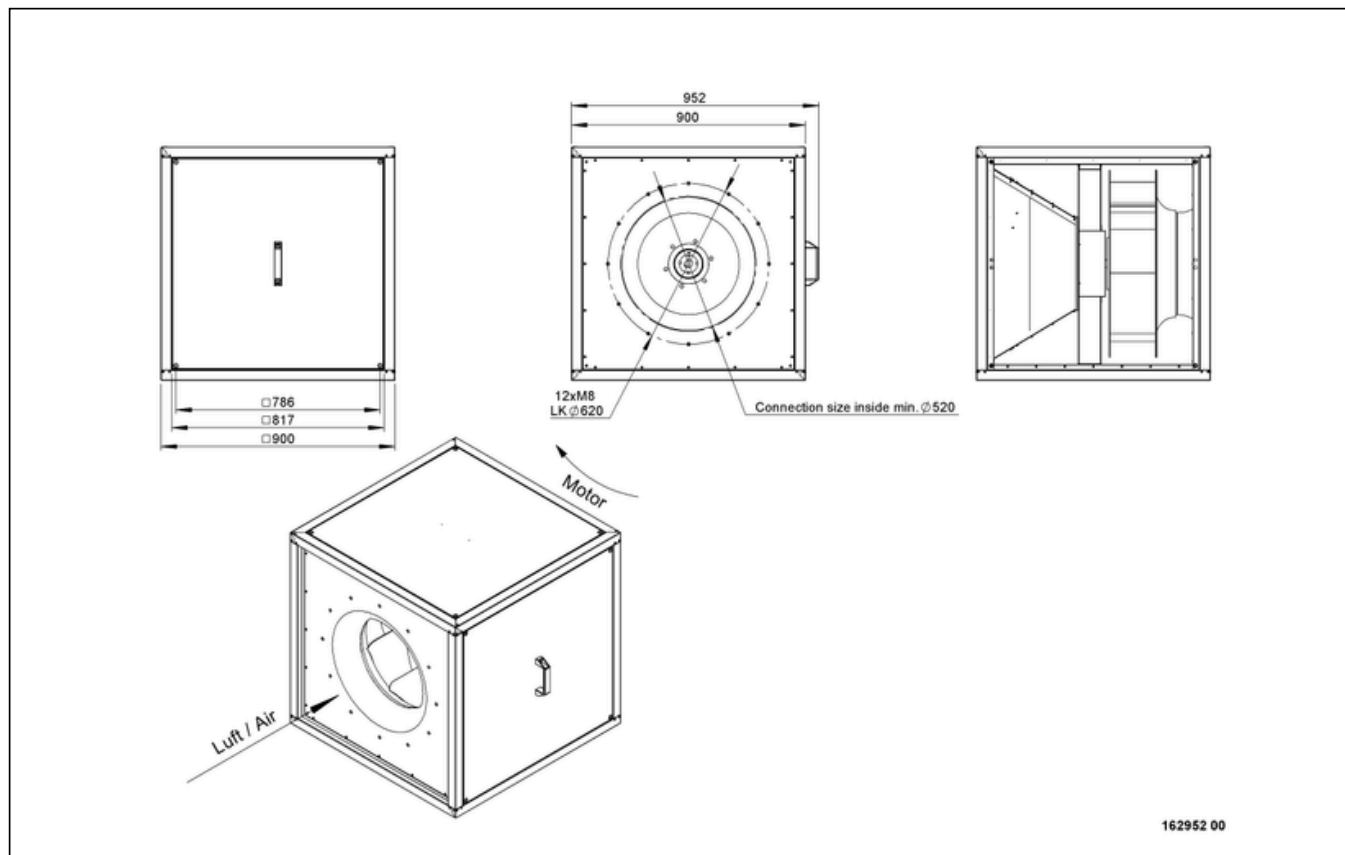
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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

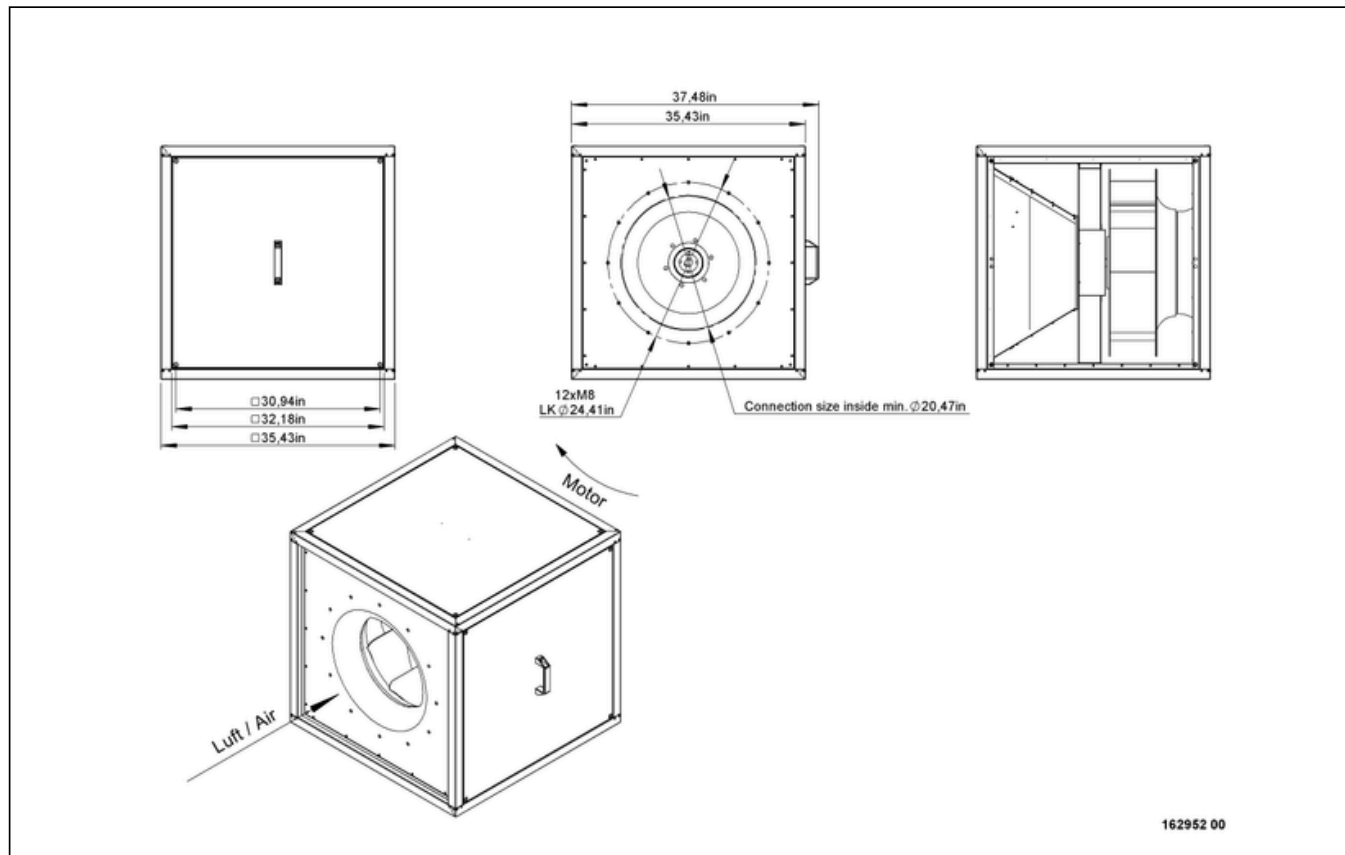


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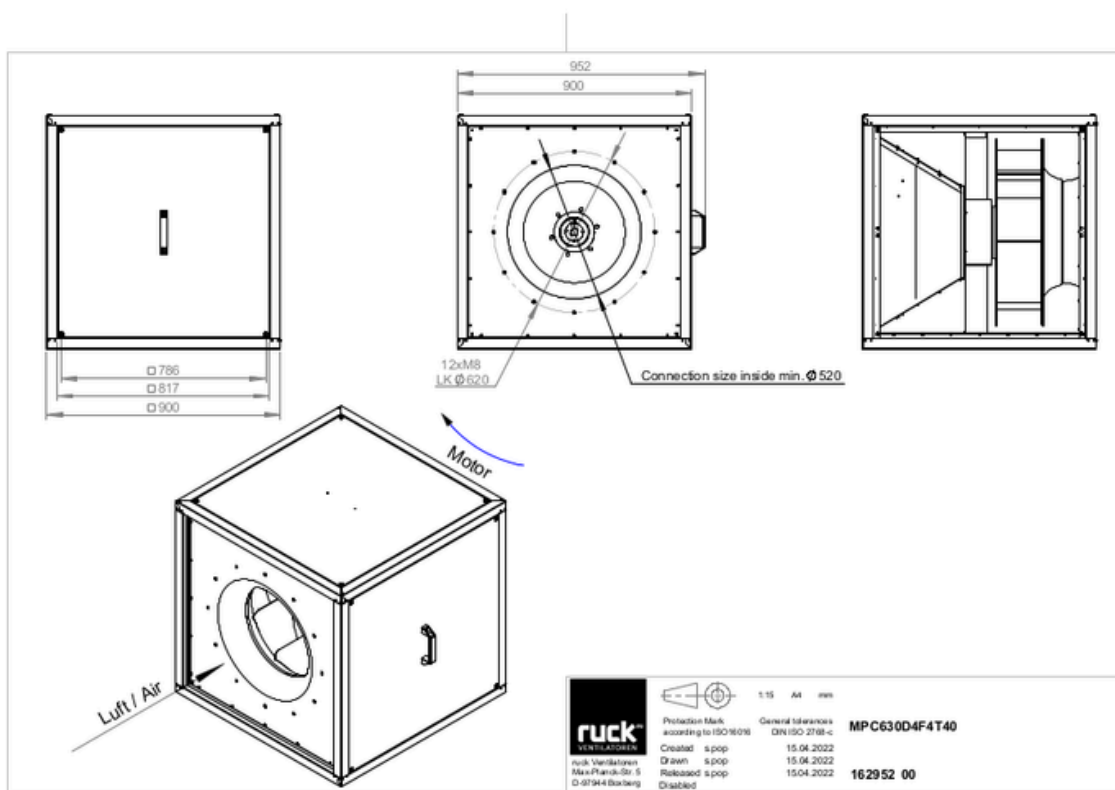


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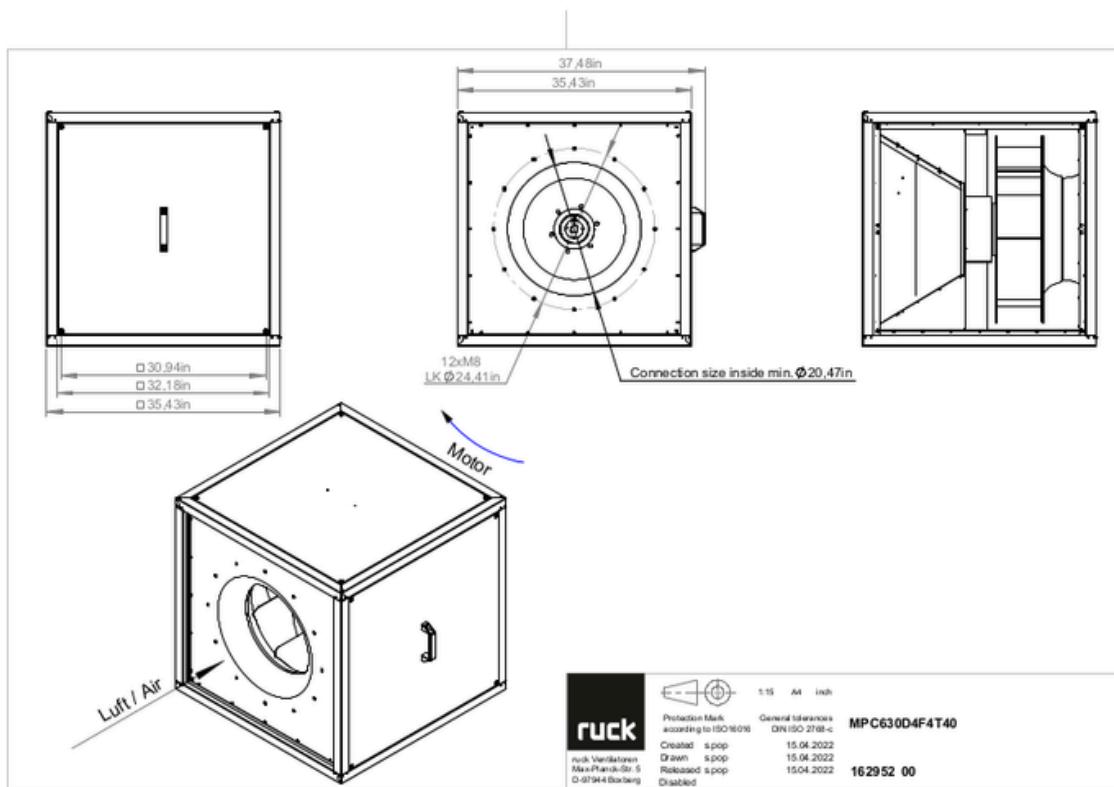


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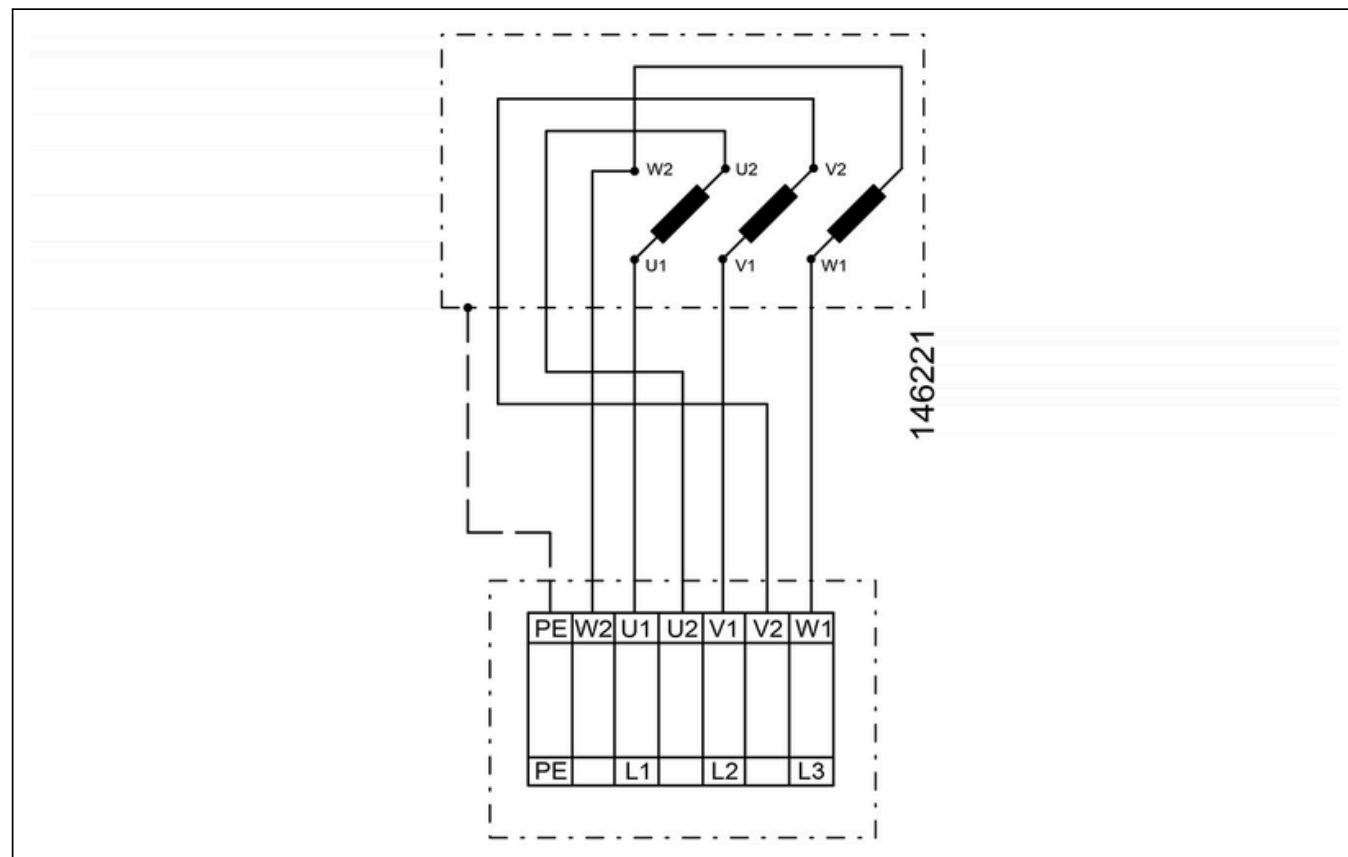


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MECHANICAL ACCESSORIES

GR MPC 03 | 123434



- Base frame für MPC
- Galvanized steel sheet

WSH MPC 03 | 123435



- Weather protection hood
- Galvanized steel sheet

UQR 900 560 01 | 139875



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

UQR 900 630 01 | 139887



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

USM 900 560 | 139997



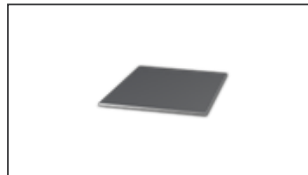
- Transition spigot
- Galvanized steel sheet
- Insulated

USM 900 630 | 140061



- Transition spigot
- Galvanized steel sheet
- Insulated

RD MPC 900 | 140101



- Rain cover for outdoor installation
- Galvanized steel sheet

USM 900 500 | 140364



- Transition spigot
- Galvanized steel sheet
- Insulated

WSG MPC 900 | 140755



- Weather protection grille
- Galvanized steel sheet

AS MPC 500 | 140871



- Inlet spigot
- Galvanized steel sheet

AS MPC 560 | 140876



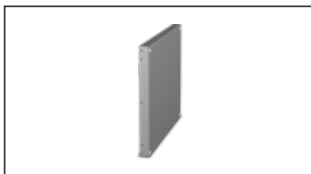
- Inlet spigot
- Galvanized steel sheet

AS MPC 630 | 140880



- Inlet spigot
- Galvanized steel sheet

UCP 900 | 142569



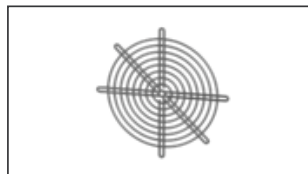
- Closed panel
- Galvanized steel sheet

RAF 560 | 154022



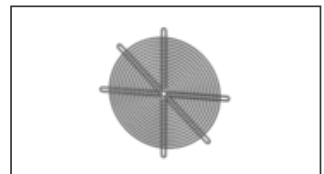
- Round flange
- Sheet steel, powder coated

SGW 560 | 154053



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

SGE 560 | 154077



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

RVS 560 | 154195



- Tube connection spigot
- Sheet steel, powder coated

RAS 560 F4 | 154306



- Round spigot, flexible
- Galvanized steel sheet, silicone band

RVK 560 F4 | 154396



- Automatic tube shutter
- Sheet steel, powder coated

RVK H 560 F4 | 155671



- Automatic tube shutter
- Sheet steel, powder coated



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MPC 630 D4 F4 T40

162952

- Suitable for outdoor installation
- Flange mounting
- 400 °C/120 min. conf. DIN EN 12101-3 F400, 75 °C continuous operation
- Flange mounting
- For vertical installation
- Flange mounting
- For horizontal installation
- Flange mounting

ELECTRICAL ACCESSORIES

GS 03 | 107633



- Device switch
- Umax = 400 V, Imax = 25 A
- Switching capacity 400 V 3~ = 5,5 kW
- Protection class IP 55

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 20 | 128146



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

MS 04 | 140413



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

FU 55 06 | 141879



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

MTP 30 | 143289



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

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

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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