

KVR 4020 E2 20

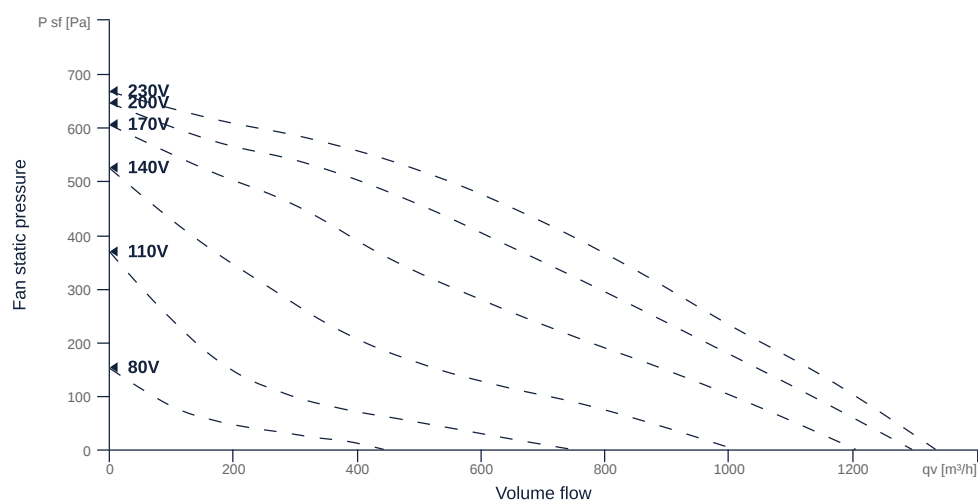
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- Backward curved centrifugal impeller
- Removable fan unit
- Housing made of galvanized sheet steel
- Robust single phase AC motor, steplessly controllable
- Conveyed medium temperature up to 65 °C in continuous operation



FAN CURVES

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



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GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	none		
Duct size	400x200		WxH _{duct}
Pipe connection size (DN)	-		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	Galvanized steel		mat _{impeller}
IP-protection class (entire device)	IPX4		IP _{compl}
IP-Protection class (terminal box)	IP44		IP _{ebox}
Weight	10.4	kg	m
Fan type	Radial		Fan _{type}
Category / Installation situation	A		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
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MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	196	267	w	P _{ed, max}
Max. operating current (device)	0.93	1.22	A	I _{ed, max}
Max. speed	2790	3225	rpm	n _{max}
Max. stat. efficiency	39.4	33.3	p	η _{es}
Max. fan efficiency	39.7	33.6	p	η _e
Max. flowrate	1330	1460	CmH	Q _{v, max}
Max. stat pressure	670	900	Pa	p _{sf, max}
Max. medium temperature	65	55	°C	T _{m, max}
Max. environment temperature	65	55	°C	T _{amb, max}
Min. environment temperature	-25	-25	°C	T _{amb, min}
Min. voltage	80	80	v	U _{min}
Stall current	1.8	1.8	A	I _{LRA}



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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		TAI		protectmotor
Protection class		IP33		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		5	µF	Ccond
Voltage capacitor		400	v	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230	230	v	Urated, f1
Rated current	0.88	1.14	A	Irated, f1
Speed	2525	2730	rpm	nf1
Starting current	1.75	1.75	A	Istart, f1
Efficiency	40.1	36.1	p	ηm, f1
Min. temperature	-30		°C	Tmotor, min
Cos Phi	0.980000	0.000000		cos φ
UL-Certification motor		None		ULcert

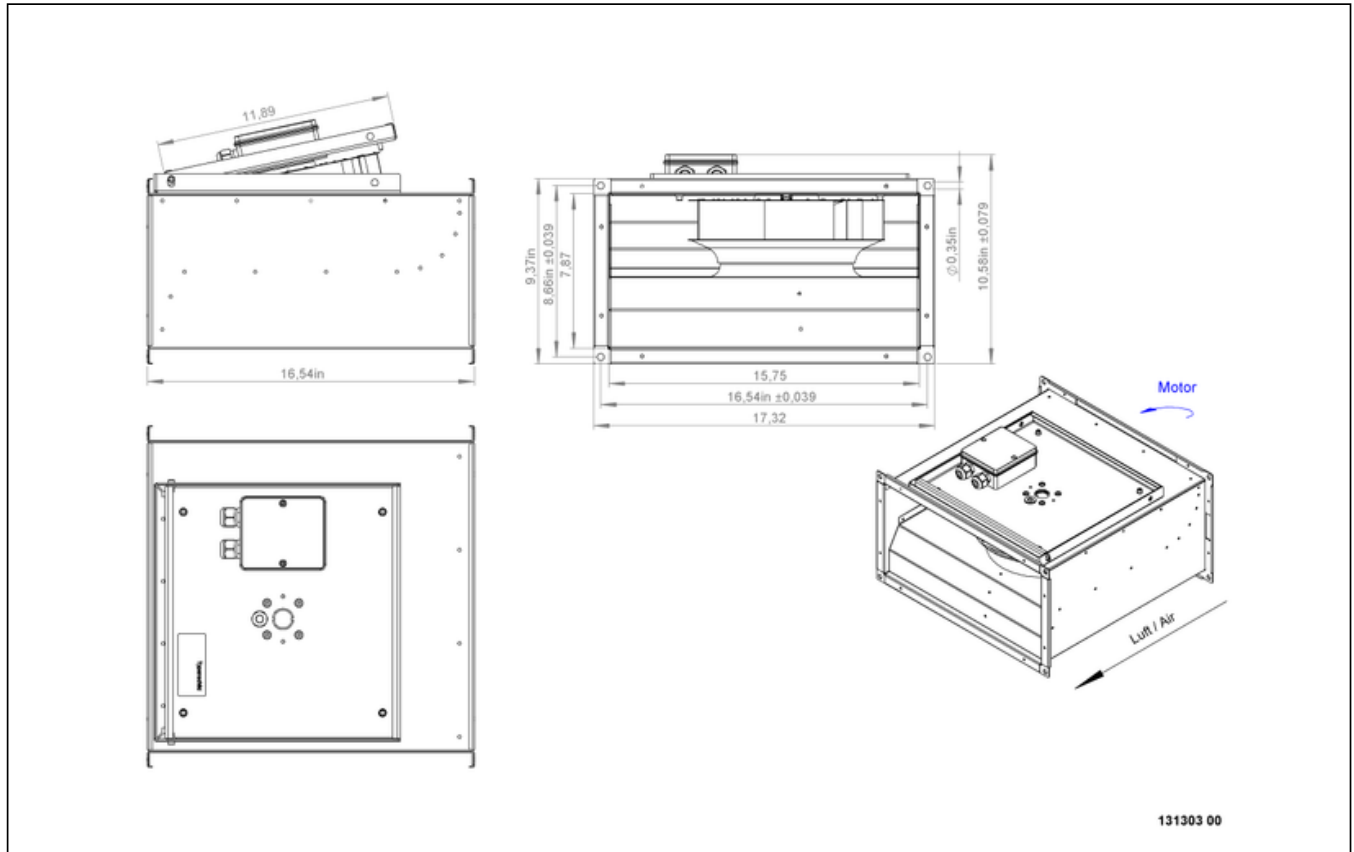
SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass



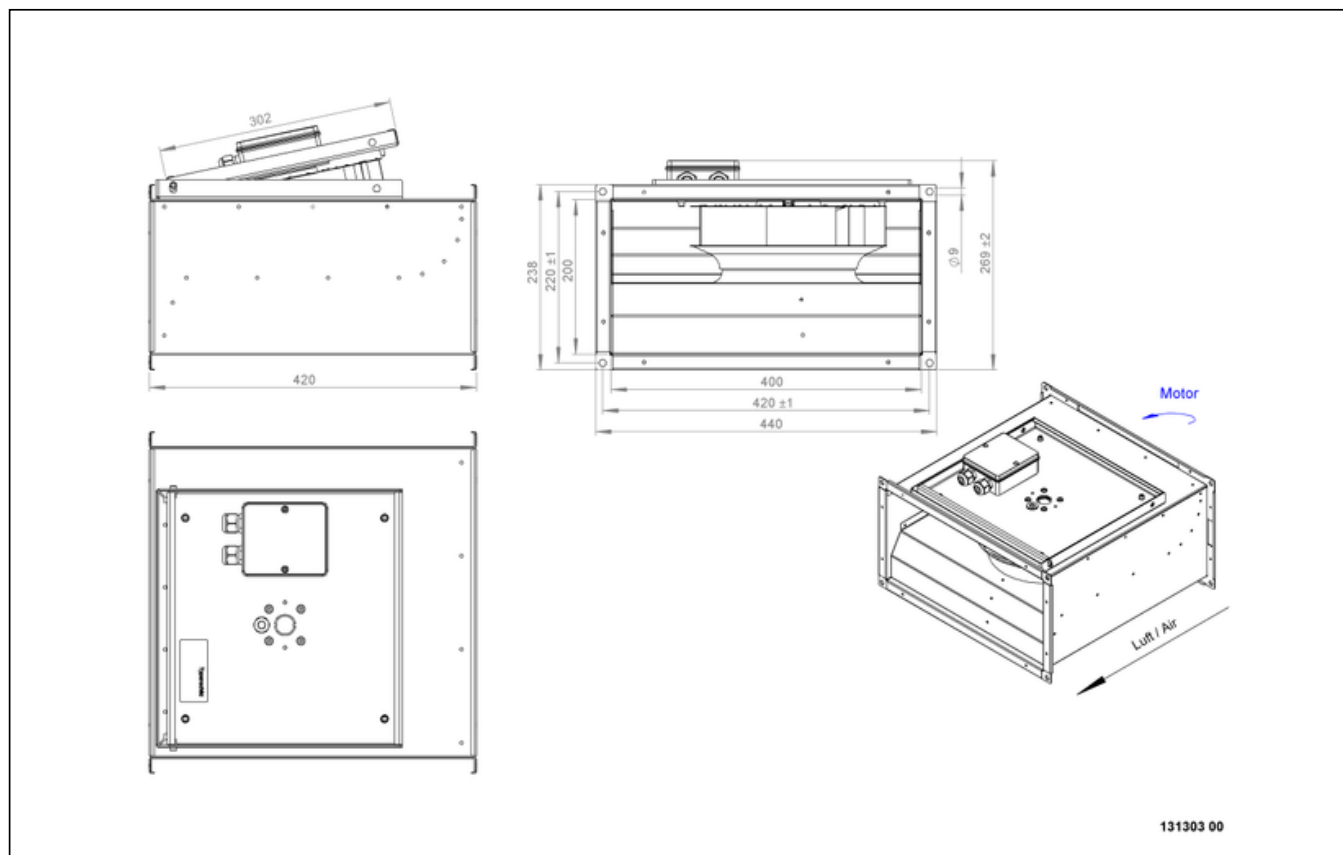
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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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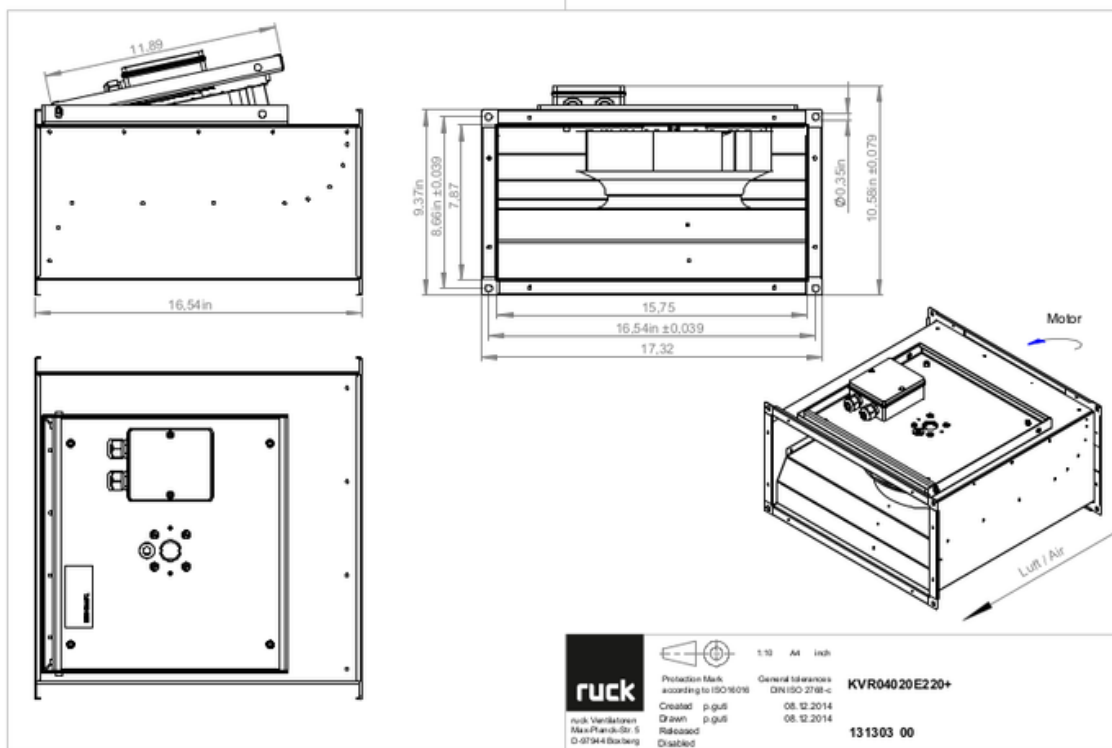


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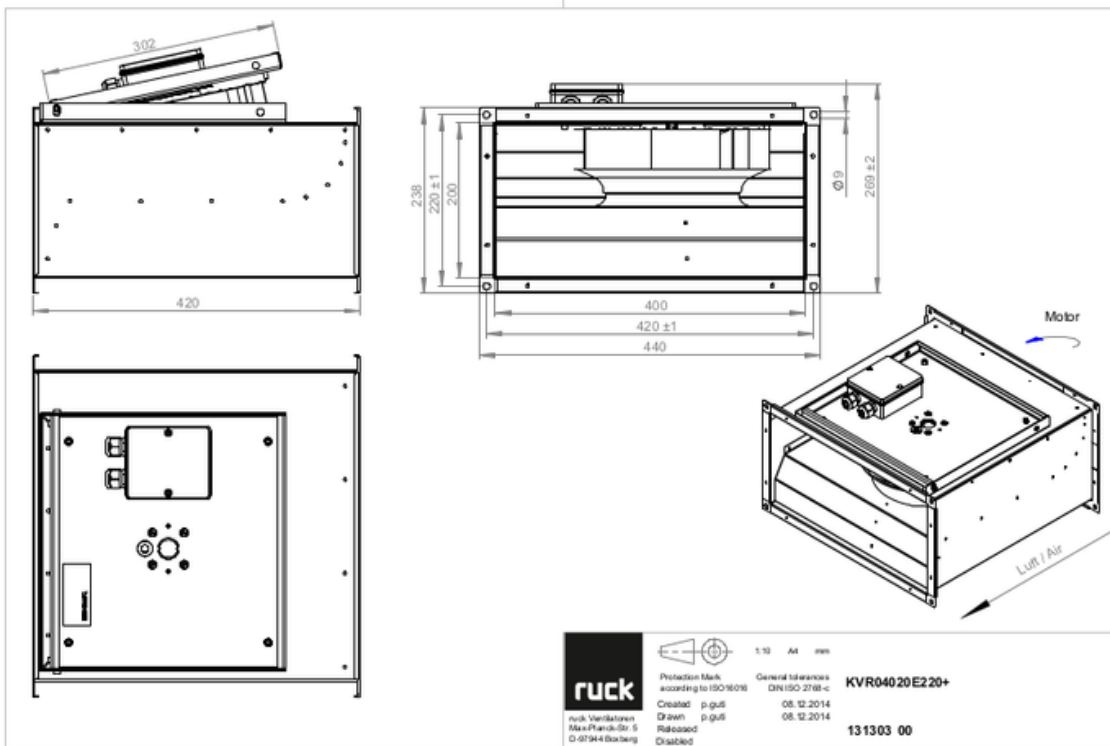
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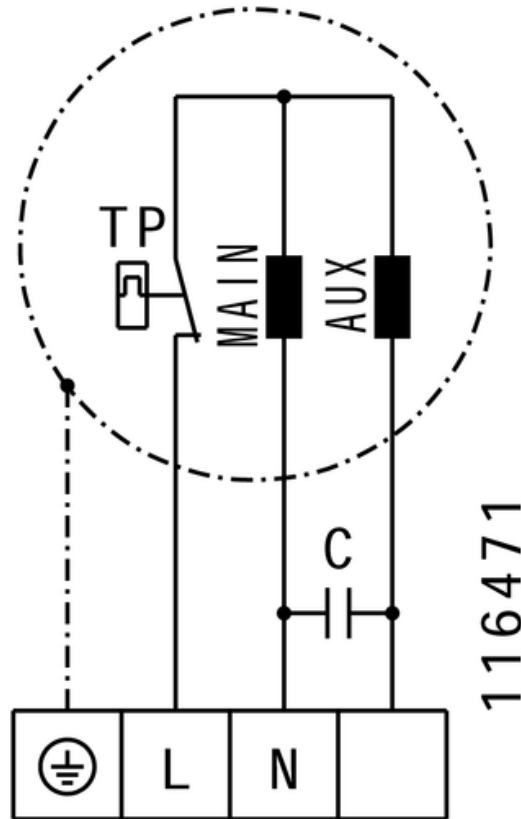
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MECHANICAL ACCESSORIES

VS 4020 | 102802



- Duct connector, flexible
- Standard profile flange P20
- Galvanized steel sheet, plastic band (PVC)
- Temperature resistant up to 70 °C

VKK 4020 | 169680



- Automatic shutter
- Plastic, weather resistant
- Temperature resistant up to 70 °C



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ELECTRICAL ACCESSORIES

GS 01 | 102787



- Isolator switch
- $U_{max} = 400\text{ V}$, 50/60 Hz
- Switching capacity 400 V 3~ = 7,5 kW
- $I_{max} = 25\text{ A}$

MTY 1 | 103428



- Electronic controller
- Stepless
- 230 V ~, 50 Hz
- Max. ambient temperature 35 °C
- $I_{max.} = 1\text{ A}$
- Surface and flush mounting

TEE 015 | 115893



- 5-step transformer
- 230 V ~, 50/60 Hz

TES 0145 | 169581



- Step transformer
- 230 V ~, 50/60 Hz



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