

KVT 4020 E4 30

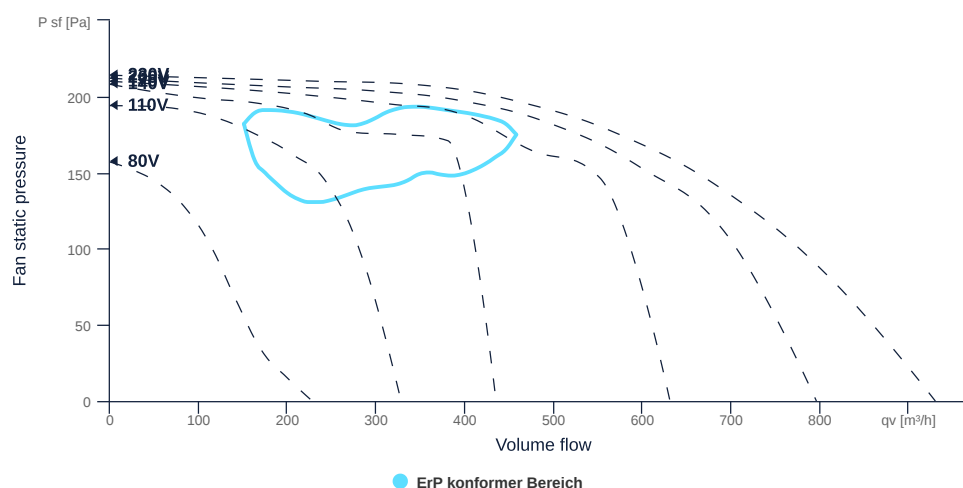
132873

- Forward curved centrifugal fan
- Swing out fan unit
- Housing made of galvanized sheet steel
- Robust single phase AC motor, steplessly controllable
- Conveyed medium temperature up to 50 °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 (casing)	IPX4		IP _{casing}
IP-protection class (entire device)	IPX4		IP _{compl}
IP-Protection class (terminal box)	IP44		IP _{ebox}
Weight	9.3	kg	m
Nominal air flow rate, nominal point m³/h	421.2	CmH	q _{v,nom}
Nominal external pressure, static	168	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	0.12	CmS	q _{v,nom}
Actual electrical input power, nominal point	0.08	kw	P _{e,nom}
Face velocity, nominal point	1.46	mps	v _{nom}
Nominal external pressure, static	168	Pa	p _{s,nom}
static efficiency of the extract fan, nominal point	26	p	η _{es,EHA}
Enclosure sound level, nominal point	52.78	db	LWA2
Rating	Product is compliant 2018		



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MAXIMAL DATA

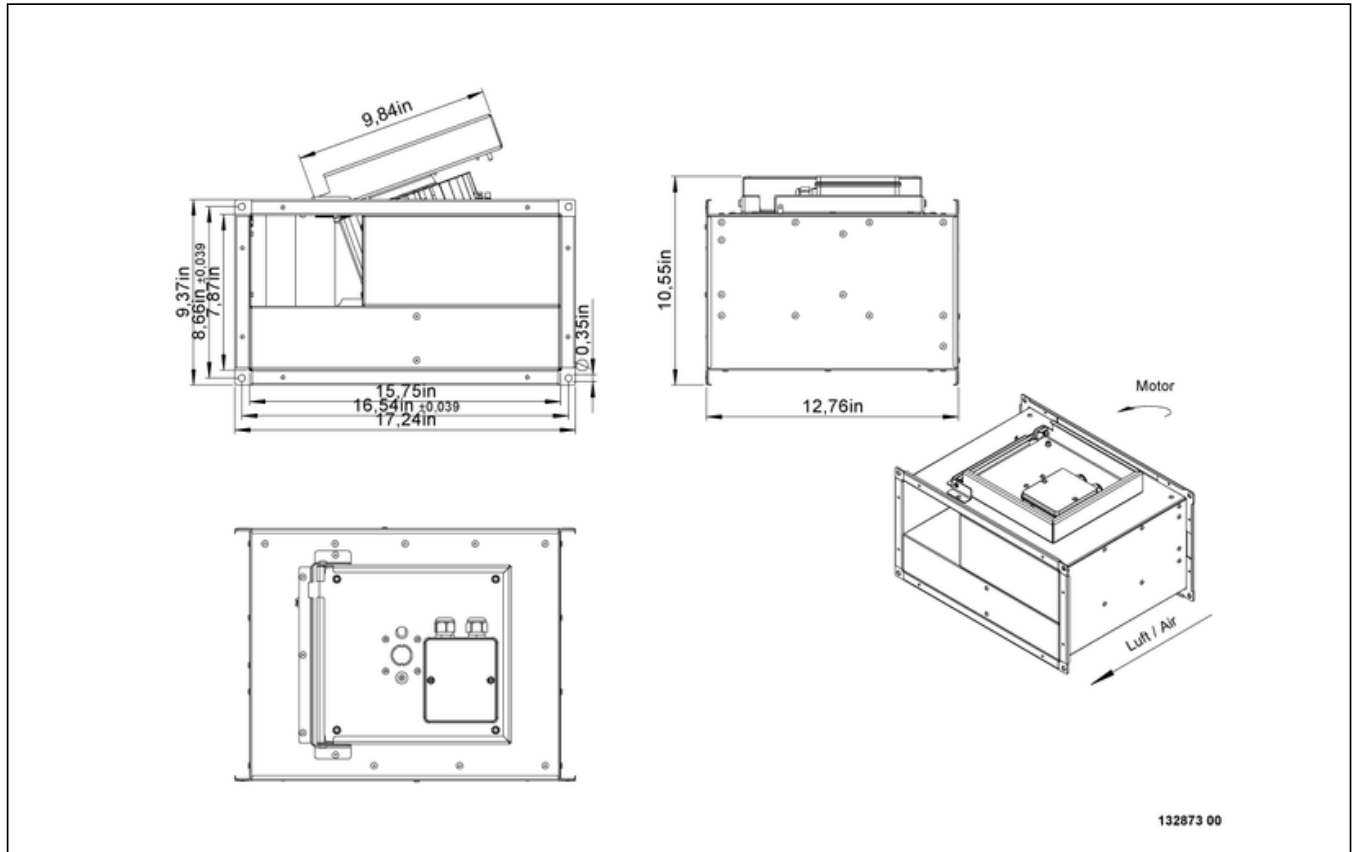
Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	179	224	w	P _{ed, max}
Max. operating current (device)	0.83	1.03	A	I _{ed, max}
Max. speed	1460	1735	rpm	n _{max}
Max. stat. efficiency	26.2	24.4	p	η _{es}
Max. fan efficiency	26.4	24.5	p	η _e
Max. flowrate	930	850	CmH	q _{v, max}
Max. stat pressure	210	310	Pa	p _{sf, max}
Max. medium temperature	50	40	°C	T _{m, max}
Max. environment temperature	50	40	°C	T _{amb, max}
Min. environment temperature	-25	-25	°C	T _{amb, min}
Min. voltage	80	80	v	U _{min}

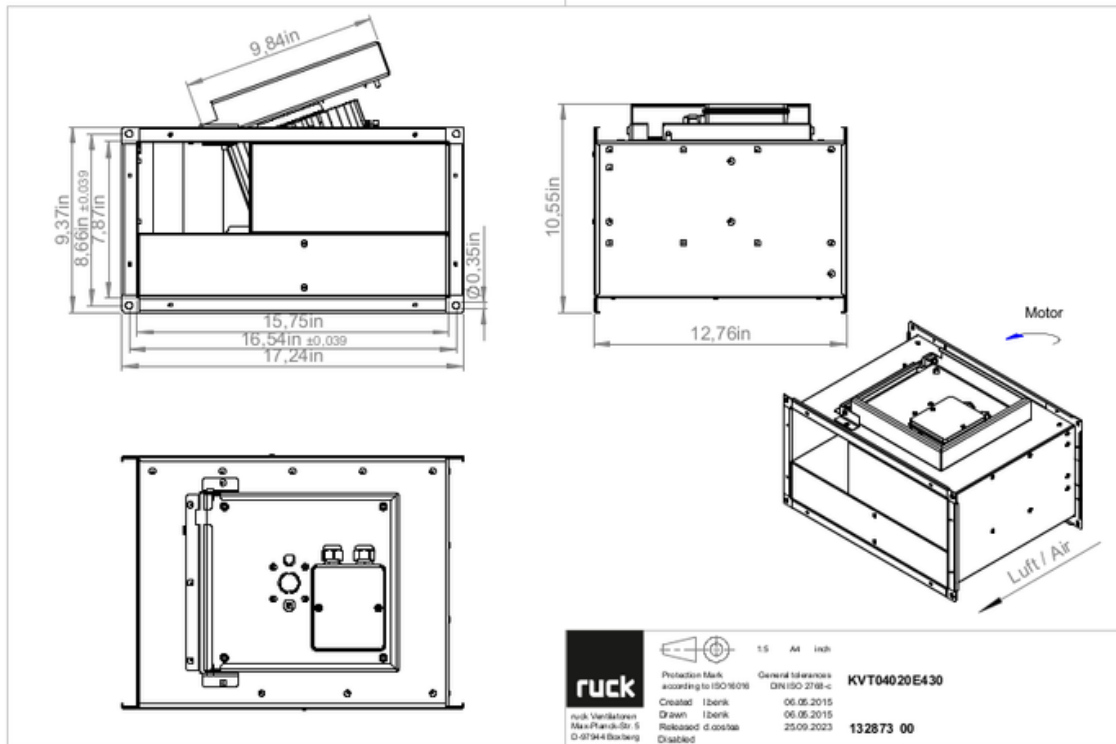
MOTOR DATA

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		IP _{motor}
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwr _{sup} motor
Capacity capacitor		5	μF	C _{cond}
Voltage capacitor		400	v	VU _{cond}
Number of poles (1)		4.000000		num poles _{w1}
Rated voltage	230		v	U _{rated, f1}
Rated current	0.52		A	I _{rated, f1}
Speed	1384		rpm	n _{f1}
Starting current	1		A	I _{start, f1}
Efficiency	23.1		p	η _{m, f1}
Min. temperature	-30		°C	T _{motor, min}
Cos Phi	0.970000	0.000000		cos φ
UL-Certification motor		None		UL _{cert}



CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

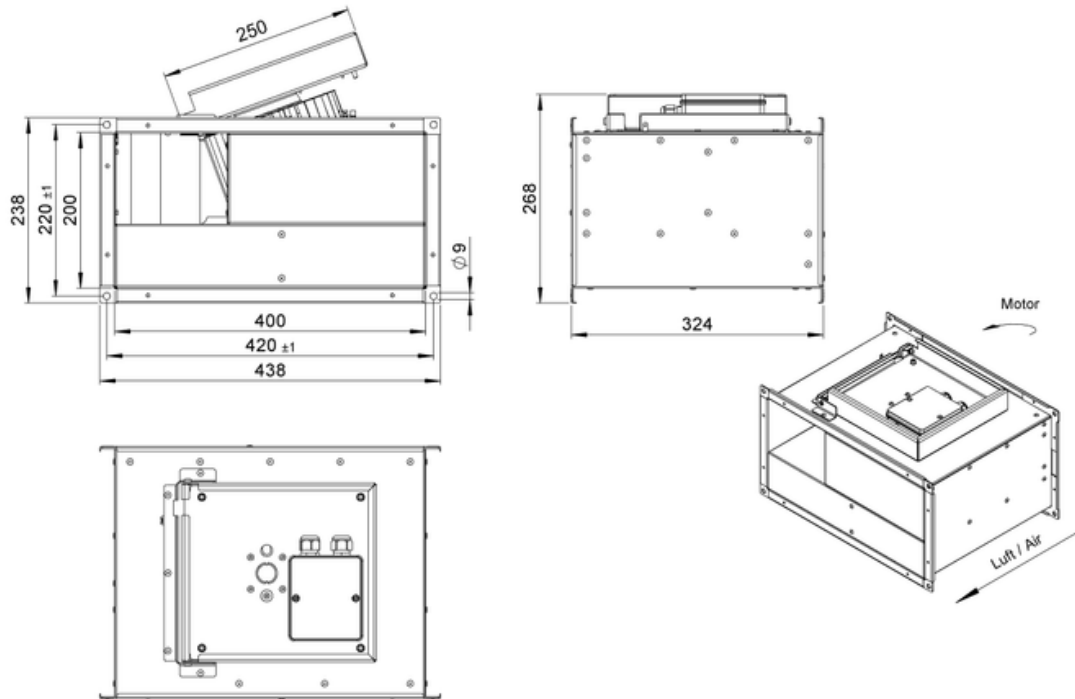




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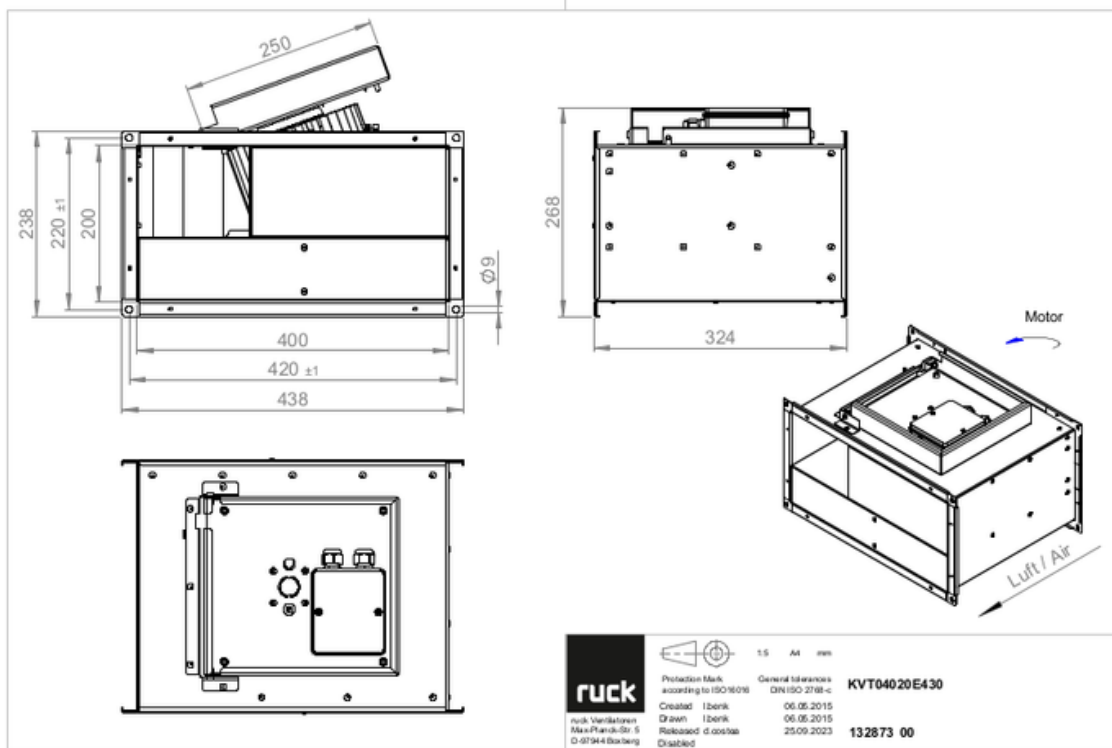


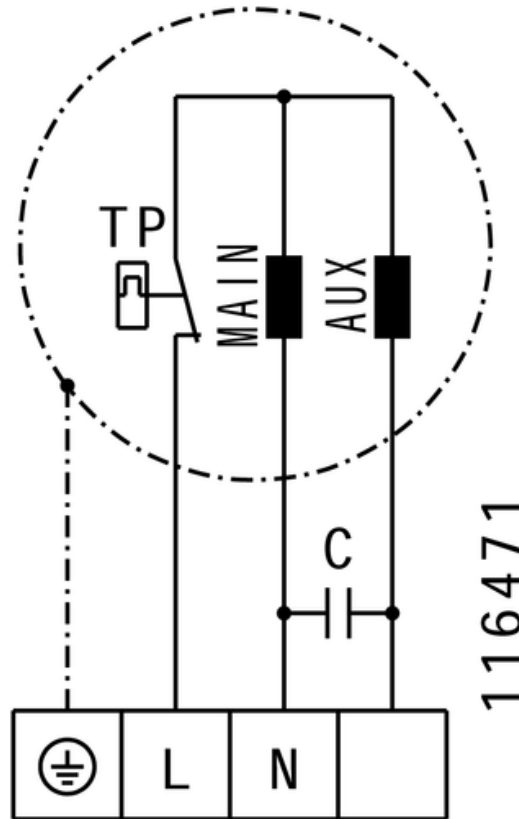
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MECHANICAL ACCESSORIES

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



ELECTRICAL ACCESSORIES

GS 01 | 102787



- Isolator switch
- Umax = 400 V, 50/60 Hz
- Switching capacity 400 V 3~ = 7,5 kW
- I max. = 25 A

MTY 1 | 103428



- Electronic controller
- Stepless
- 230 V ~, 50 Hz
- Max. ambient temperature 35 °C
- I max. = 1 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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