

KVT 5030 E4 20

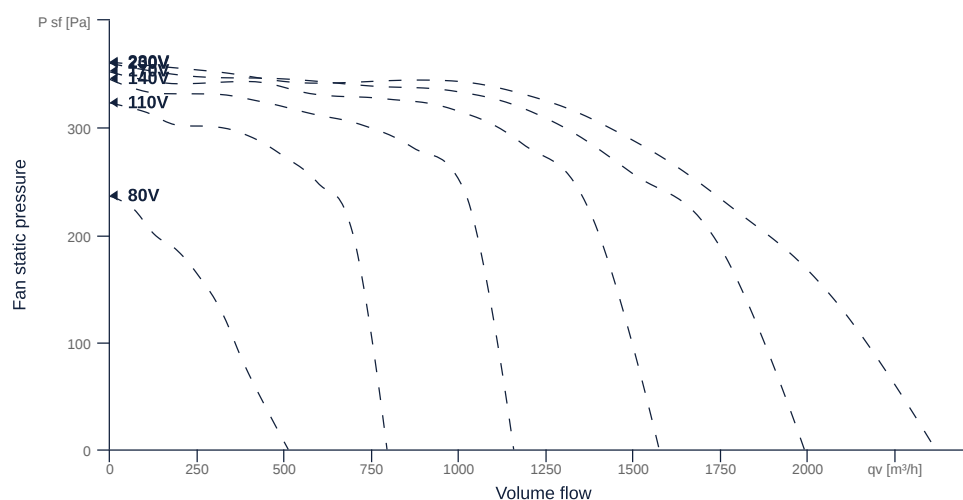
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- Forward curved centrifugal fan
- Swing out fan unit
- Housing made of galvanized sheet steel
- Robust single phase AC motor, steplessly controllable
- Conveyed medium temperature up to 50 °C in continuous operation



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	500x300		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	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	20.1	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

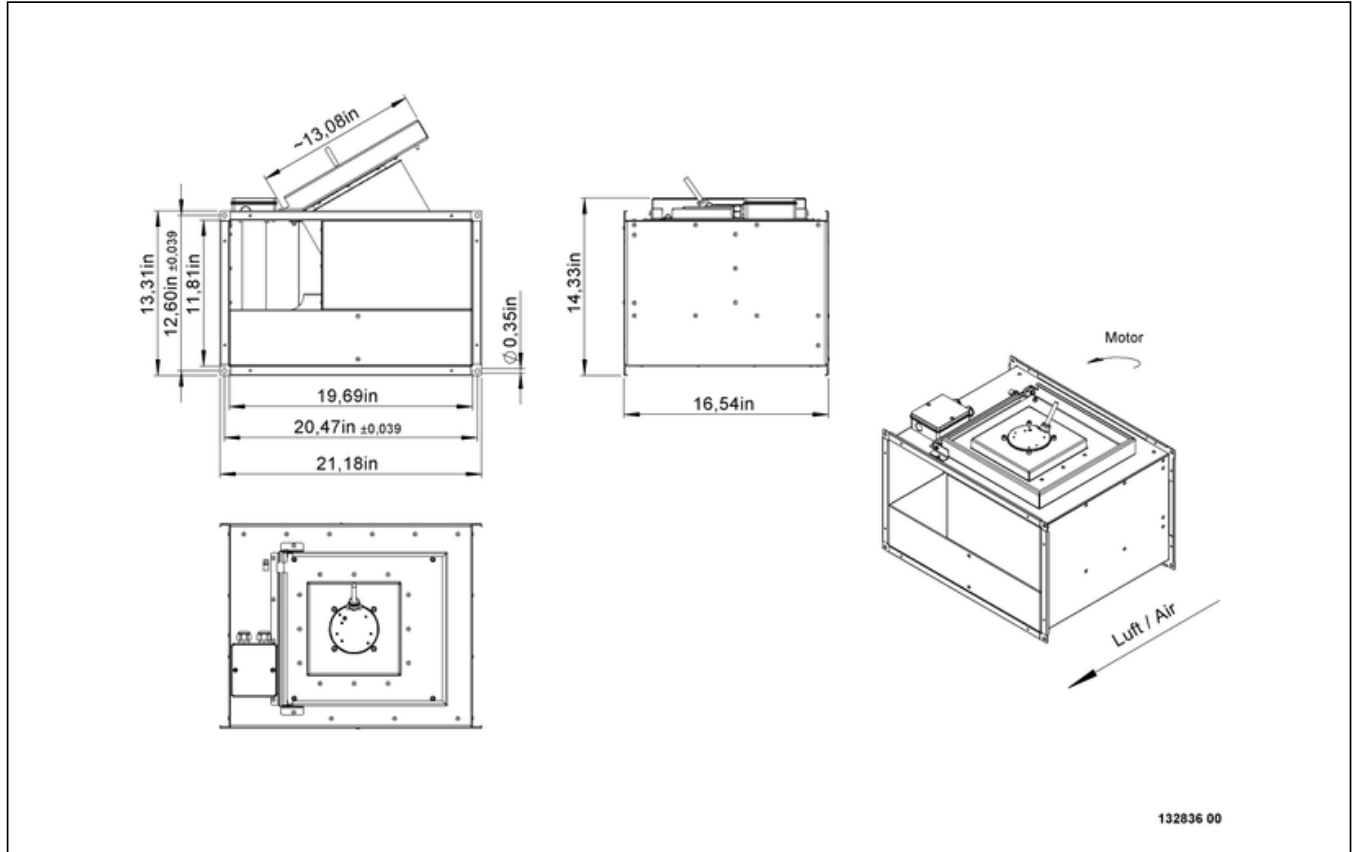
Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	751	864	w	P _{ed, max}
Max. operating current (device)	3.89	4.5	A	I _{ed, max}
Max. speed	1470	1740	rpm	n _{max}
Max. stat. efficiency	30.1	32.1	p	η _{es}
Max. fan efficiency	30.4	32.3	p	η _e
Max. flowrate	2360	2040	CmH	q _{v, max}
Min. stat pressure	50	180	Pa	p _{sf, min}
Max. stat pressure	360	510	Pa	p _{sf, max}
Max. medium temperature	50	45	°C	T _{m, max}
Max. environment temperature	50	45	°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		TAO		protectmotor
Protection class		IP54		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		10	μF	Ccond
Voltage capacitor		450	v	VUcond
Number of poles (1)		4.000000		num polesw1
Rated voltage	230	230	v	Urated, f1
Rated current	2.48	3.05	A	Irated, f1
Speed	1310	1470	rpm	nf1
Starting current	6	5.1	A	Istart, f1
Efficiency	36.2	36.2	p	ηm, f1
Min. temperature	-40	-40	°C	Tmotor, min
UL-Certification motor		None		ULcert

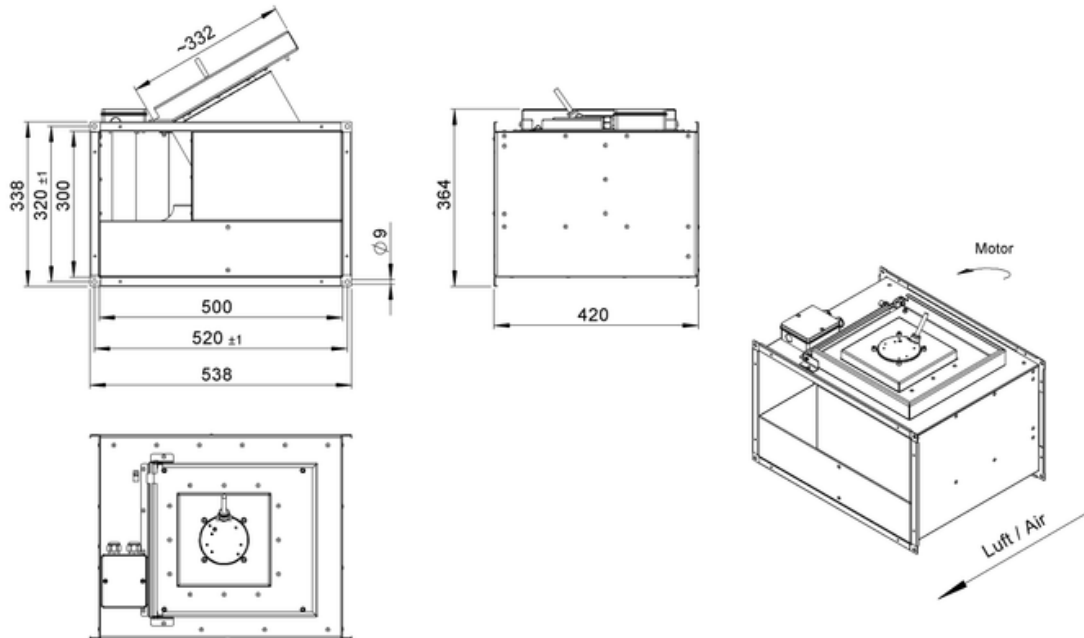
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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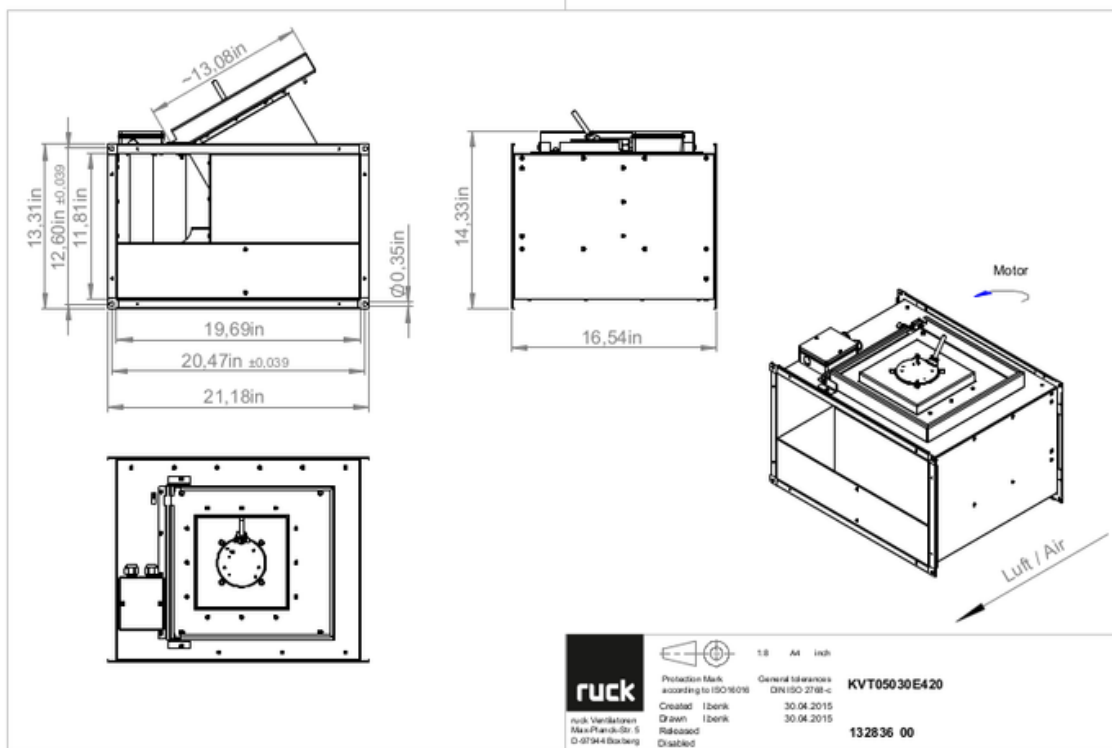
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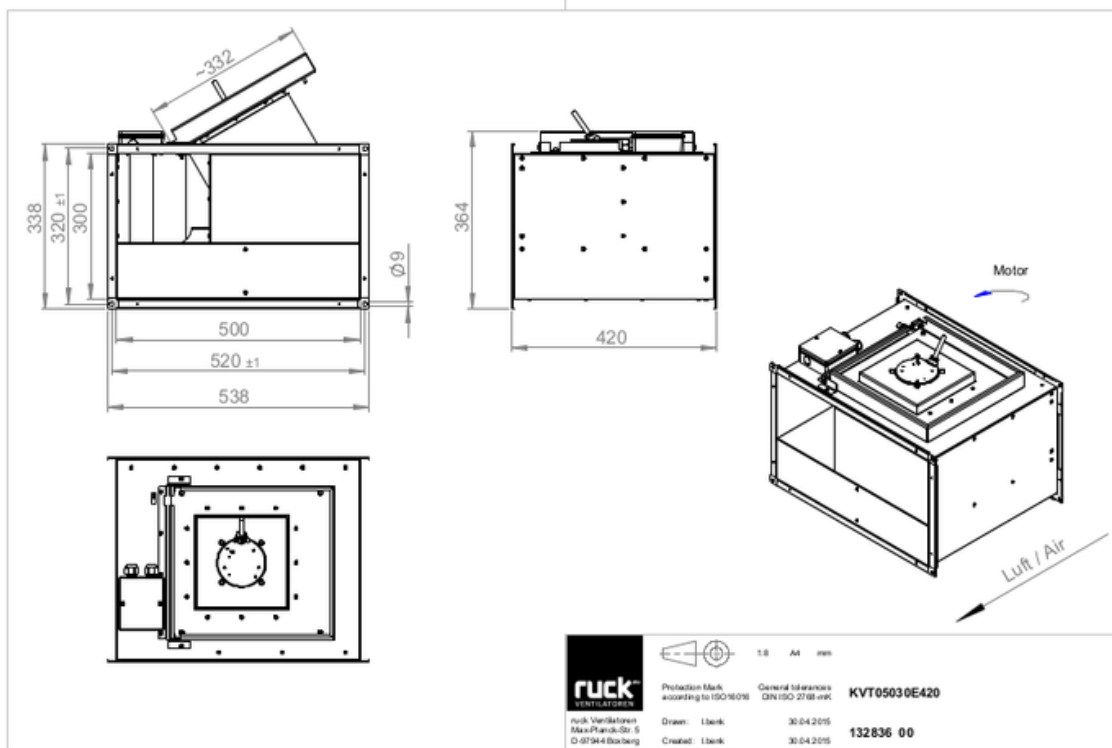


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