

KVT 10050 D6 10

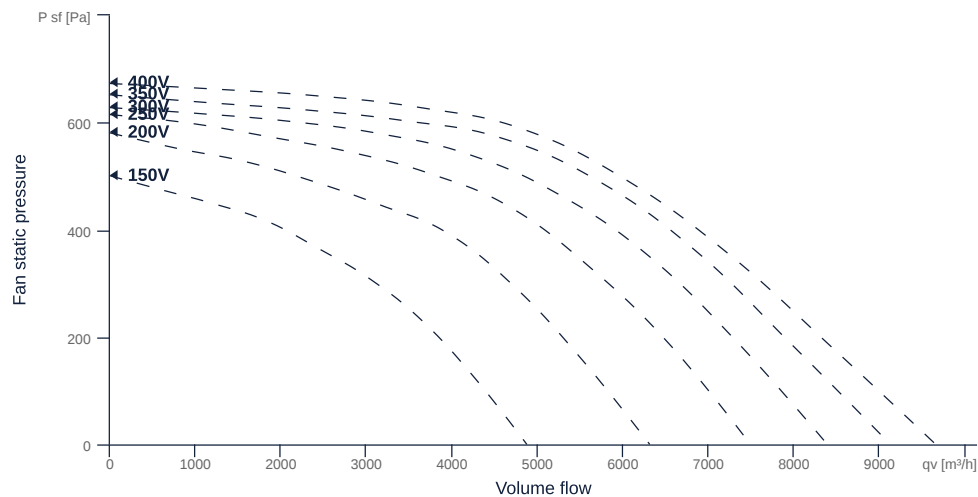
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- Forward curved centrifugal fan
- Swing out fan unit
- Housing made of galvanized sheet steel
- Robust three phase AC motor, voltage controllable
- Integrated thermal switch



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	1000x500		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	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	79.8	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
Max. power consumption (device)	3800	w	P _{ed, max}
Max. operating current (device)	7.67	A	I _{ed, max}
Max. speed	975	rpm	n _{max}
Max. stat. efficiency	42.9	p	η _{es}
Max. fan efficiency	43.1	p	η _e
Max. flowrate	9660	CmH	q _{v, max}
Max. stat pressure	670	Pa	p _{sf, max}
Max. medium temperature	60	°C	T _{m, max}
Max. environment temperature	60	°C	T _{amb, max}
Min. environment temperature	-30	°C	T _{amb, min}
Min. voltage	150	v	U _{min}



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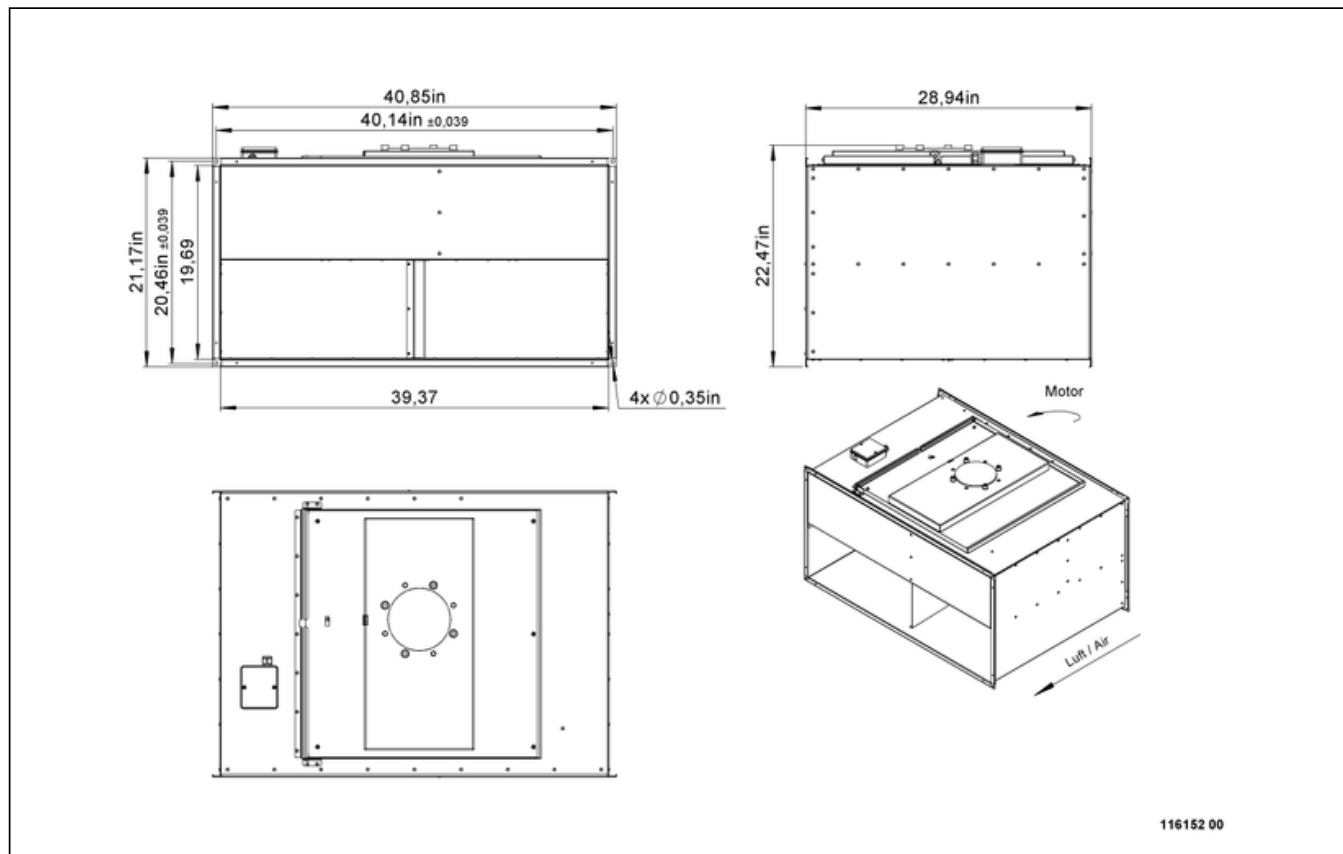
MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		AC 3~		phase
Control type		stepless-controlled		ctrltype
Installation type		ORM (Out)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TME		protectmotor
Protection class		IP54		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 3~		pwrsupmotor
Number of poles (1)		6.000000		num polesw1
Connection	Δ			wiringw1
Connection (wiring 2)	Y			wiringw2
Rated voltage	230		v	U _{rated, f1}
Rated voltage (wiring 2)	400		v	U _{rated, f2}
Rated current	11.5		A	I _{rated, f1}
Rated current (wiring 2)	6.8		A	I _{rated, f2}
Nominal power	3750		w	P _a
Nominal power (wiring 2)	3750		w	P _{out, f2}
Speed	840		rpm	n _{f1}
Speed (wiring 2)	840		rpm	n _{f2}
Cos Phi	0.770000	0.000000		cos φ
UL-Certification motor		None		ULcert



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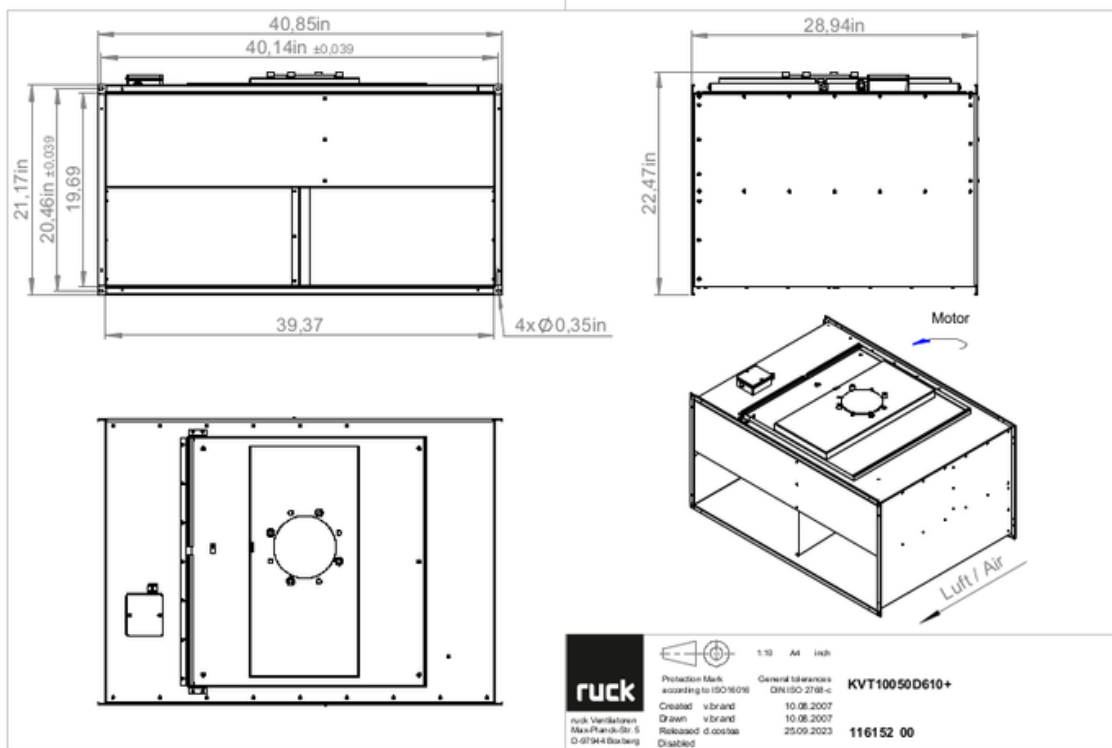
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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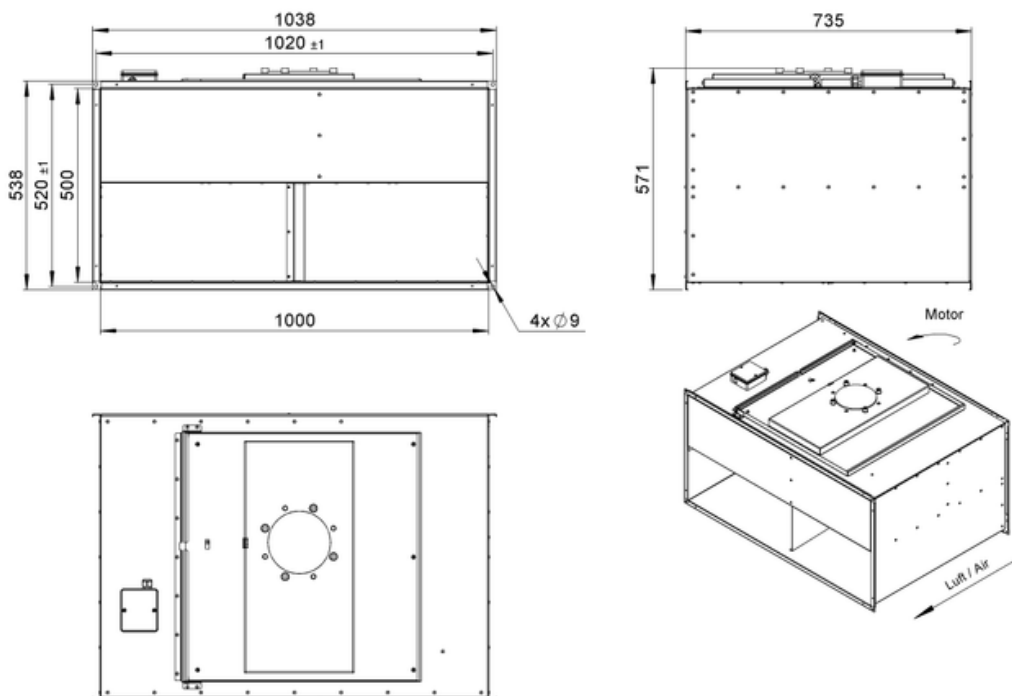
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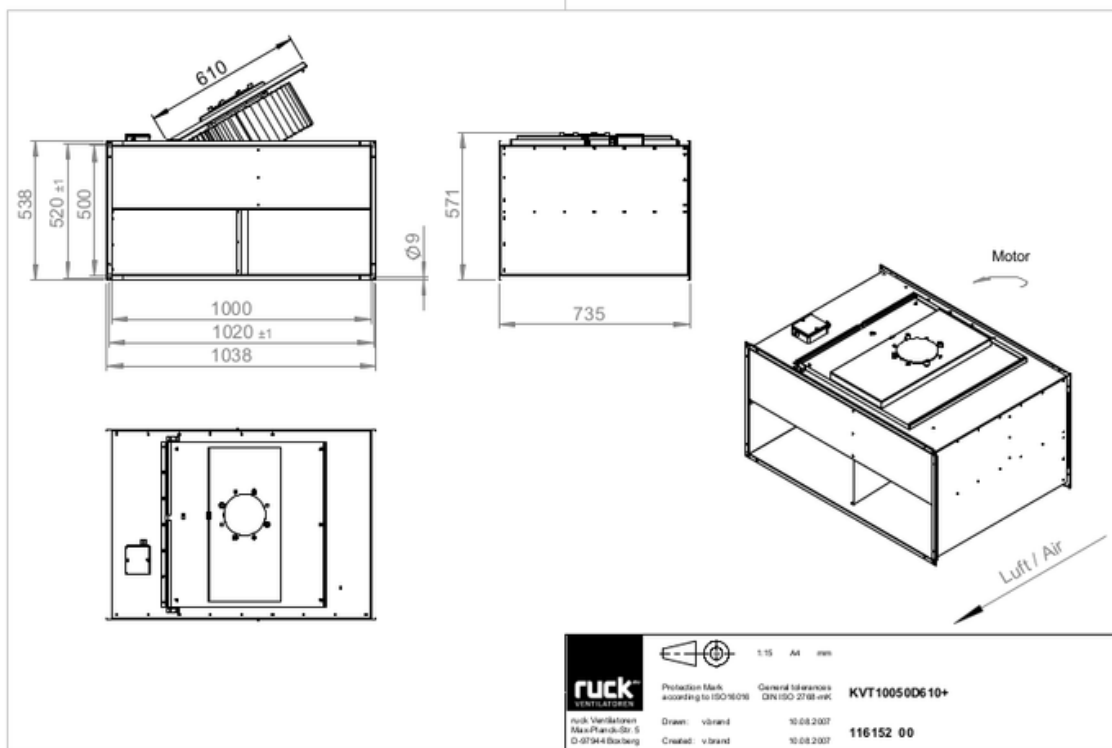


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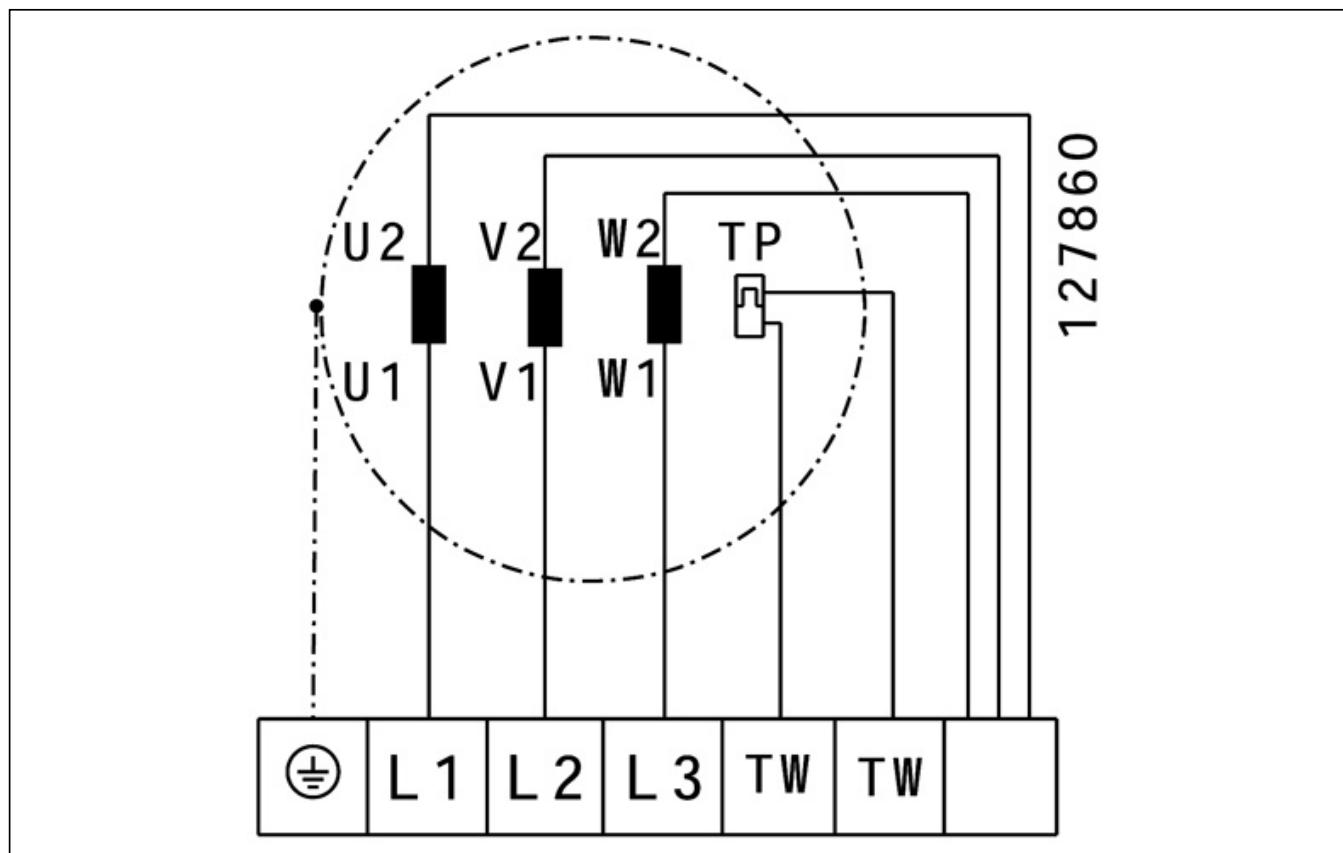
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MECHANICAL ACCESSORIES

VKK 10050 | 169687



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

VS 10050 | 172499



- Duct connector, flexible
- Standard profile flange P30
- Galvanized steel sheet, plastic band (PVC)
- Temperature resistant up to 70 °C



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ELECTRICAL ACCESSORIES

GS 03 | 107633



- Device switch
- $U_{max} = 400 \text{ V}$, $I_{max} = 25 \text{ A}$
- Switching capacity $400 \text{ V } 3\text{-} = 7,5 \text{ kW}$
- Protection class IP 55

TDM 080 | 111558



- 5-step transformer
- $400 \text{ V } 3\text{-}$, 50/60 Hz

TDS 080 | 113668



- 7-step transformer
- $400 \text{ V } 3\text{-}$, 50/60 Hz



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