

KVT 6035 D4 30

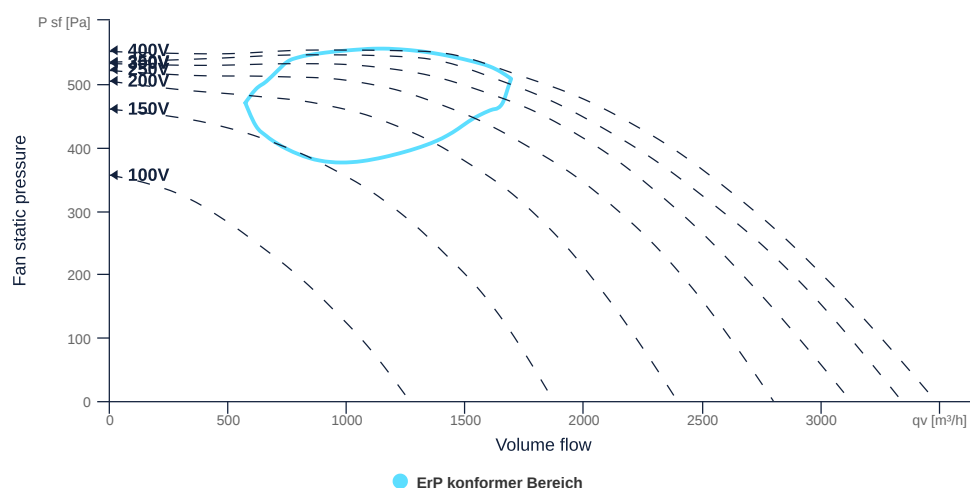
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- Forward curved centrifugal fan
- Swing out fan unit
- Housing made of galvanized sheet steel
- Robust three phase AC motor, voltage controllable
- Integrated thermal switch



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	600x350		WxH _{duct}
Pipe connection size (DN)	-		DN
Rated voltage (entire device)	400	v	U _{rated}
Phases (entire device)	3~		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	26.2	kg	m
Nominal air flow rate, nominal point m³/h	1396.8	CmH	q _{v,nom}
Nominal external pressure, static	541	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	0.39	CmS	q _{v,nom}
Actual electrical input power, nominal point	0.55	kw	P _{e,nom}
Face velocity, nominal point	1.85	mps	v _{nom}
Nominal external pressure, static	541	Pa	p _{s,nom}
static efficiency of the extract fan, nominal point	38.37	p	η _{es,EHA}
Enclosure sound level, nominal point	61.57	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)	1435	2057	w	P _{ed, max}
Max. operating current (device)	2.91	3.71	A	I _{ed, max}
Max. speed	1480	1760	rpm	n _{max}
Max. stat. efficiency	37.4	41	p	η _{es}
Max. fan efficiency	37.6	41.1	p	η _e
Max. flowrate	3480	3765	CmH	q _{v, max}
Min. stat pressure		275	Pa	p _{sf, min}
Max. stat pressure	560	780	Pa	p _{sf, max}
Max. medium temperature	65	45	°C	T _{m, max}
Max. environment temperature	65	45	°C	T _{amb, max}
Min. environment temperature	-25	-25	°C	T _{amb, min}
Min. voltage	100	100	v	U _{min}

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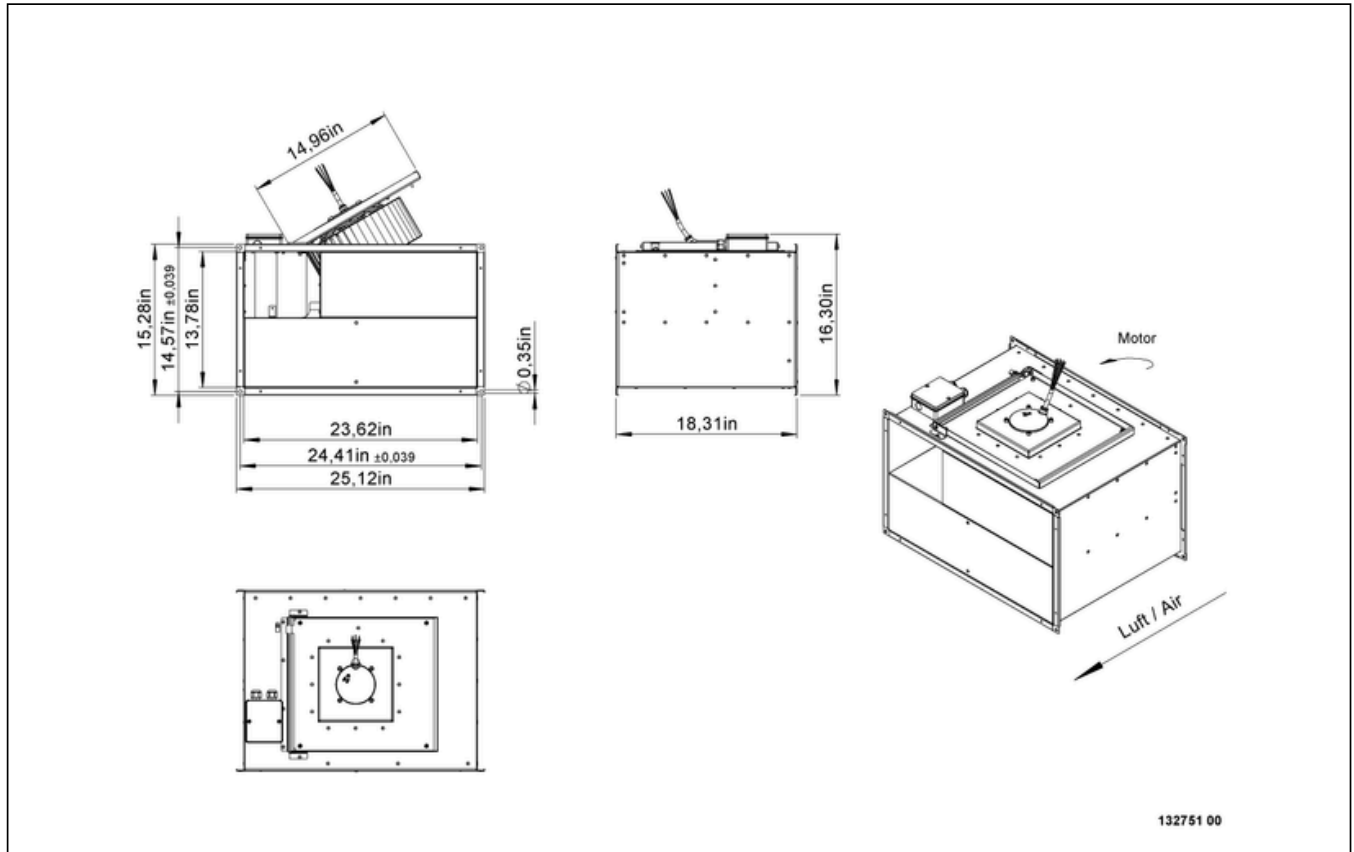


MOTOR DATA

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		TAO		protectmotor
Protection class		IP54		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 3~		pwrsupmotor
Number of poles (1)		4.000000		num polesw1
Connection	Δ			wiringw1
Connection (wiring 2)	Y			wiringw2
Rated voltage	230		v	Urated, f1
Rated voltage (wiring 2)	400		v	Urated, f2
Rated current	4.75		A	Irated, f1
Rated current (wiring 2)	2.75		A	Irated, f2
Speed	1330		rpm	nf1
Speed (wiring 2)	1330		rpm	nf2
Efficiency	36.1		p	ηm, f1
Efficiency (wiring 2)	36.1		p	ηm, f2
Min. temperature	-25		°C	Tmotor, min
UL-Certification motor		UL recognized		ULcert

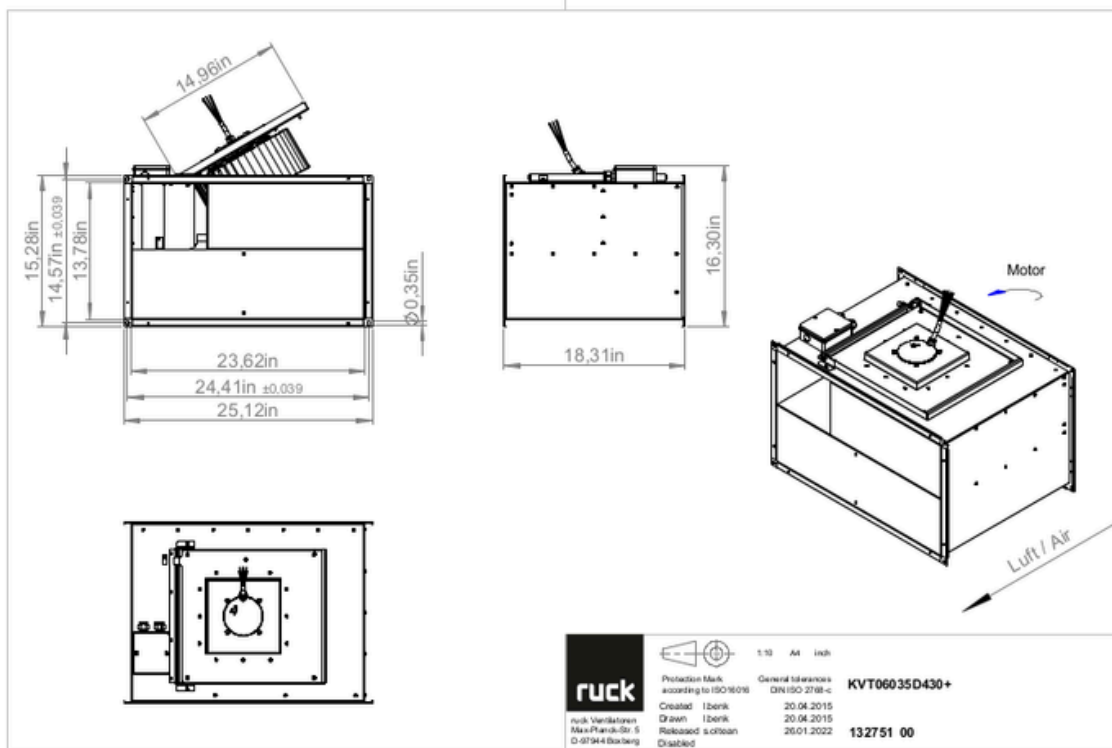


CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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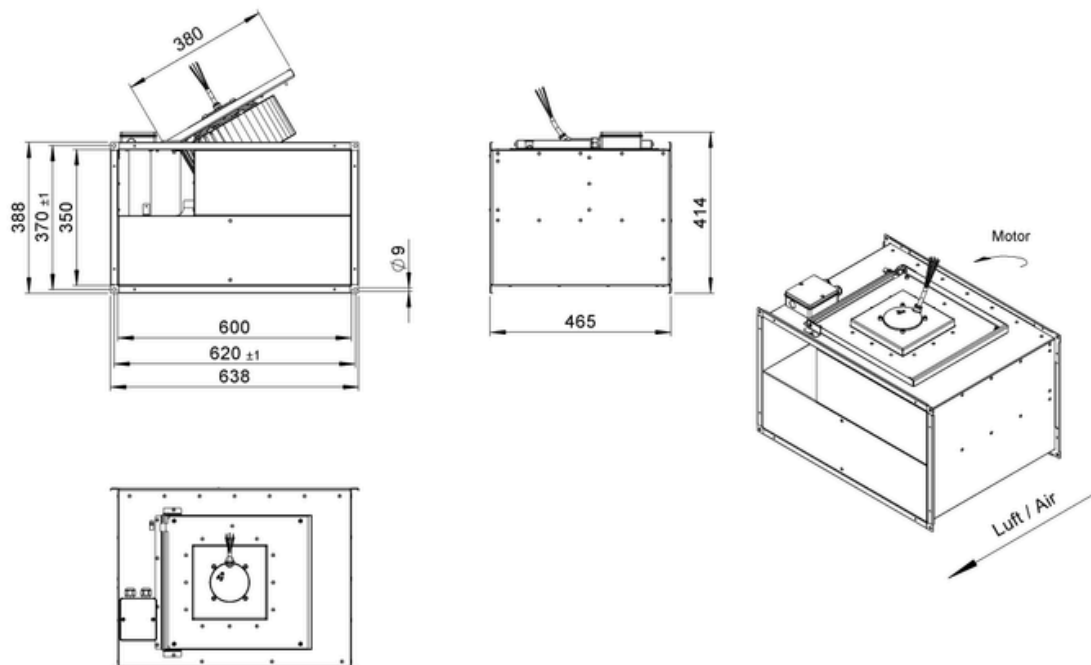


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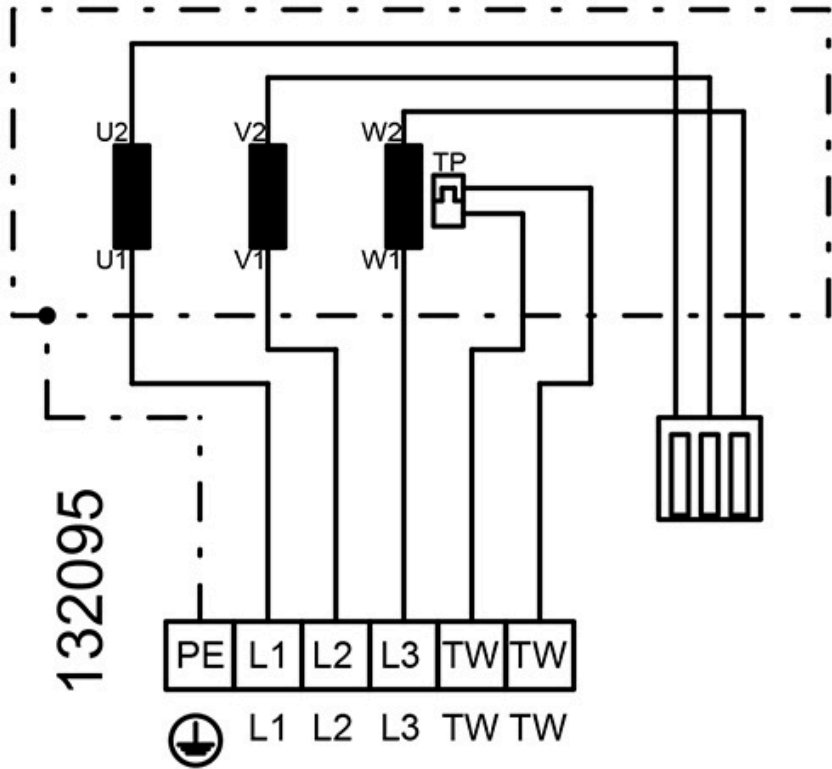
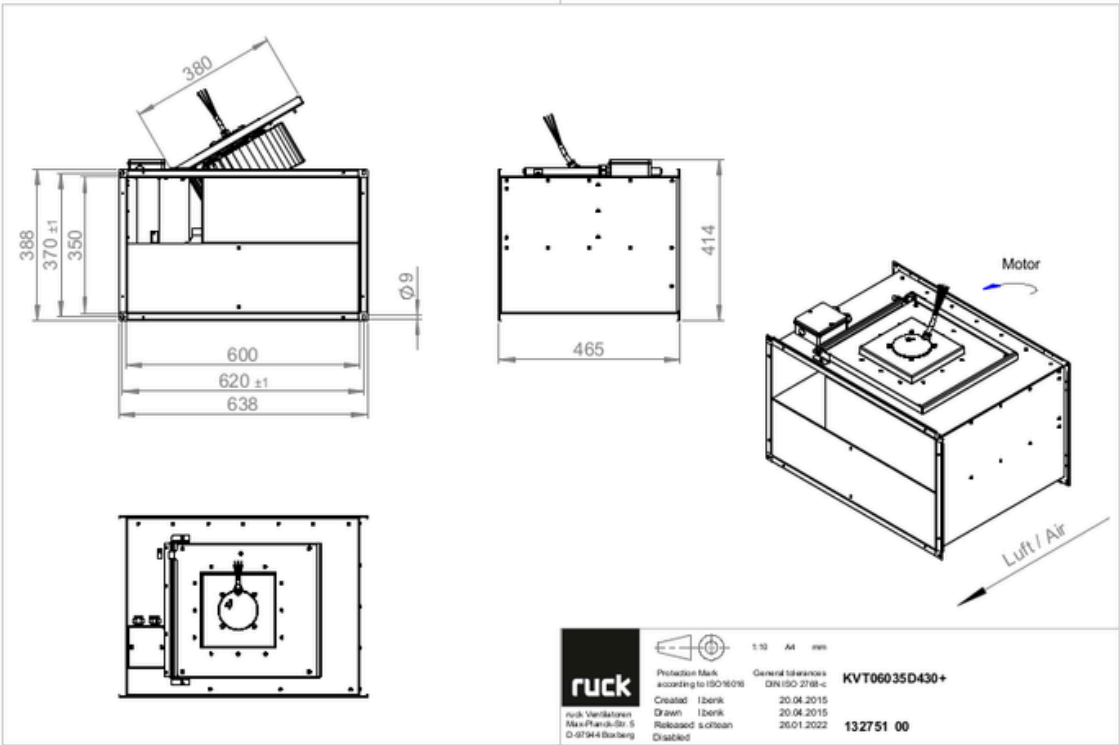


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MECHANICAL ACCESSORIES

VS 6035 | 102808



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

VKK 6035 | 169684



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

ELECTRICAL ACCESSORIES

GS 03 | 107633



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

TDM 040 | 111556



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

TDS 040 | 113666



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



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