

ELKI 6035 E2 12

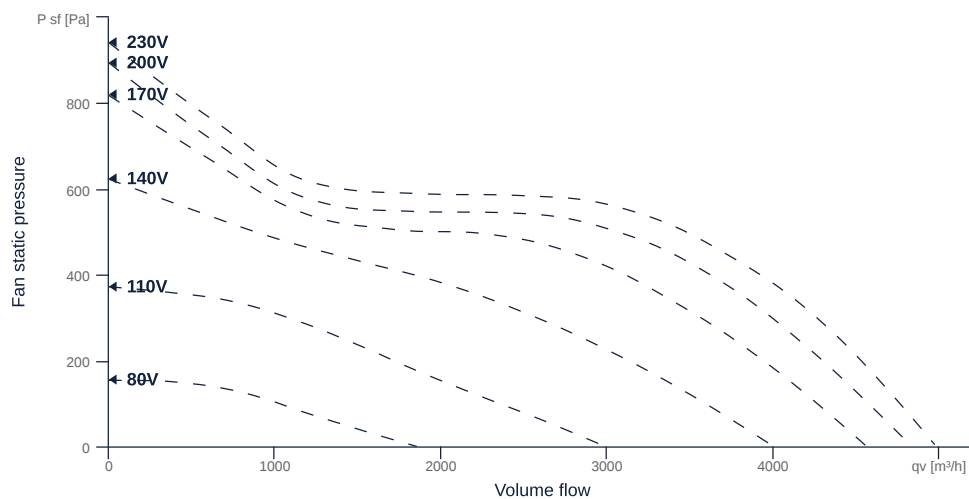
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- Energy efficient diagonal fan
- Optimally tuned and CFD-optimized aerodynamics
- Soundproof housing made of galvanized sheet steel
- Removable fan unit
- Robust single phase AC motor, voltage controllable
- Integrated thermal switch



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	CE, UKCA		
Duct size	600x350		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	Plastic		mat _{impeller}
IP-protection class (entire device)	IPX4		IP _{compl}
IP-Protection class (terminal box)	IP44		IP _{ebox}
Weight	27.77	kg	m
Nominal air flow rate, nominal point m³/h	3992.4	CmH	q _{v,nom}
Nominal external pressure, static	379	Pa	p _{s,nom}
Fan type	Diagonal		Fan _{type}
Category / Installation situation	A		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m³/s	1.11	CmS	q _{v,nom}
Actual electrical input power, nominal point	0.93	kw	P _{e,nom}
Face velocity, nominal point	5.28	mps	V _{nom}
Nominal external pressure, static	379	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	49.2	p	η _{es,SUP}
Enclosure sound level, nominal point	68	db	LWA2
Rating	Product is compliant 2018		



MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	937	W	P _{ed, max}
Max. operating current (device)	5.21	A	I _{ed, max}
Max. speed	2860	rpm	n _{max}
Max. stat. efficiency	49.2	%	η _{es}
Max. fan efficiency	50.1	%	η _e
Max. flowrate	4970	CmH	Q _{v, max}
Max. stat pressure	940	Pa	p _{sf, max}
Max. medium temperature	45	°C	T _{m, max}
Max. environment temperature	45	°C	T _{amb, max}
Min. environment temperature	-25	°C	T _{amb, min}
Min. voltage	80	V	U _{min}

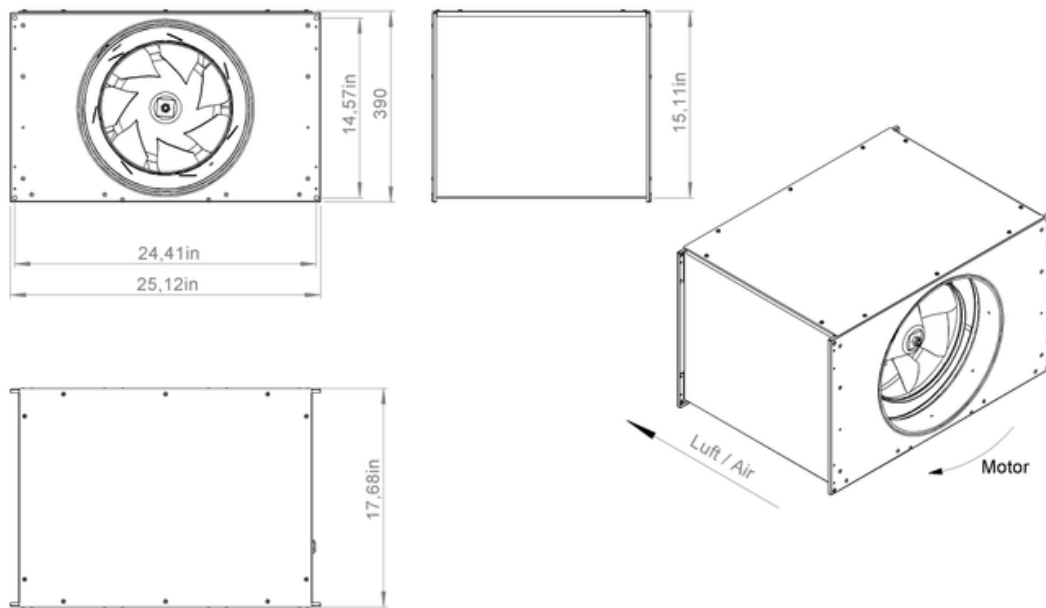
MOTOR DATA

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		IRM (In)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TMI		protectmotor
Protection class		IP00		IP _{motor}
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwr _{sup} motor
Capacity capacitor		22	μF	C _{cond}
Voltage capacitor		400	V	VU _{cond}
Number of poles (1)		2.000000		num poles _{w1}
Rated voltage	230		V	U _{rated, f1}
Rated current	3.5		A	I _{rated, f1}
Nominal power	550		W	P _a
Speed	2800		rpm	n _{r1}
Cos Phi	0.990000	0.000000		cos φ
UL-Certification motor		None		UL _{cert}



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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



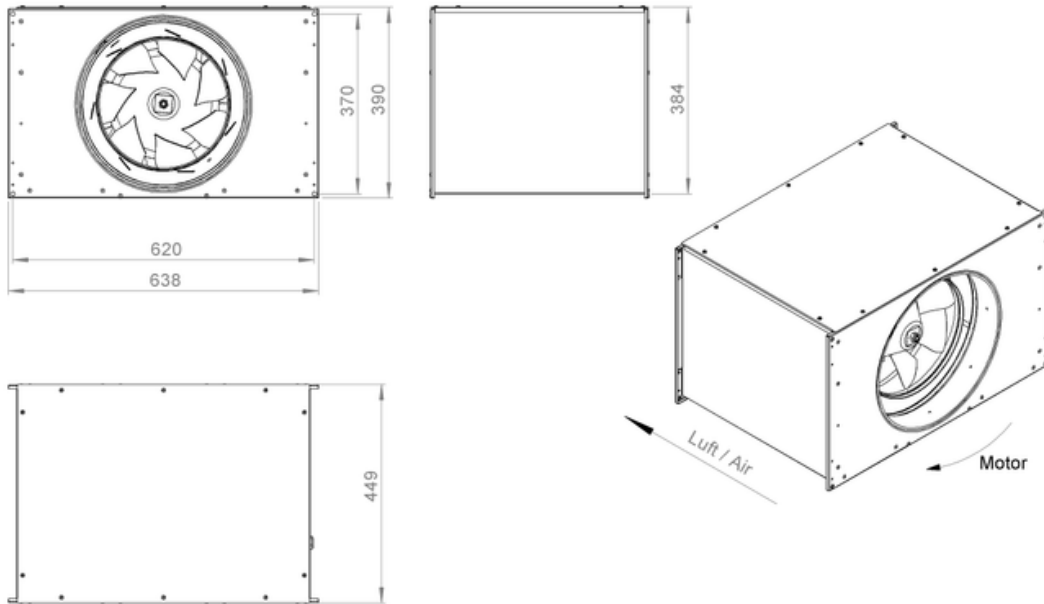
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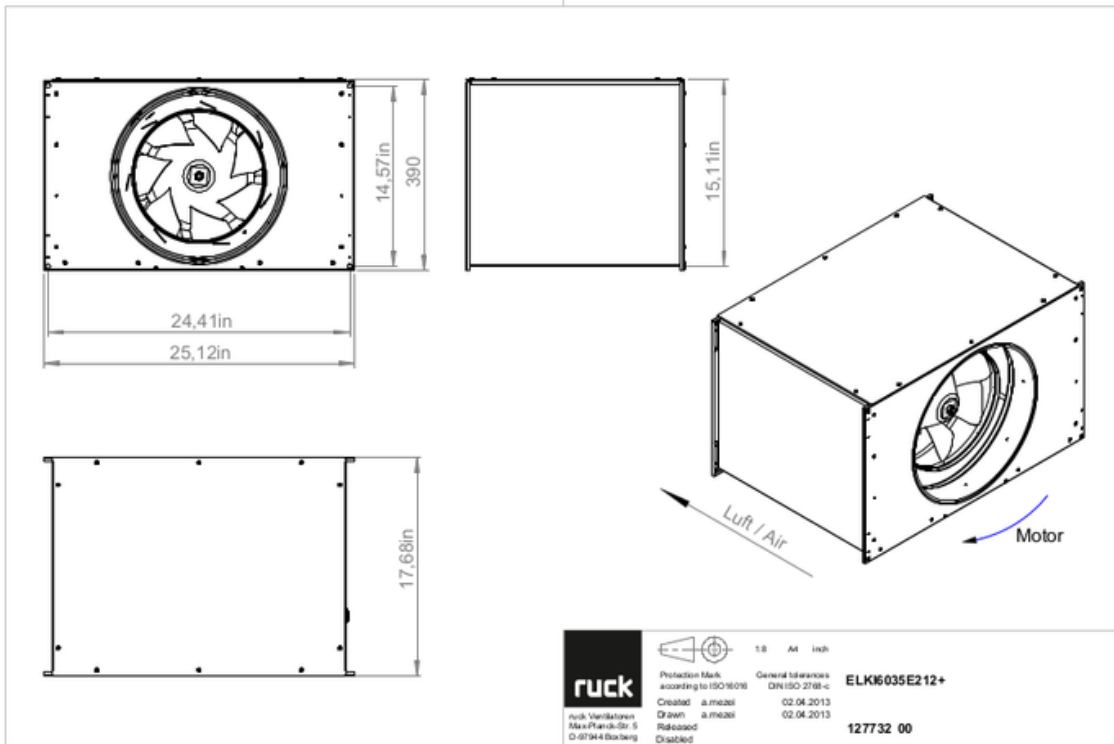


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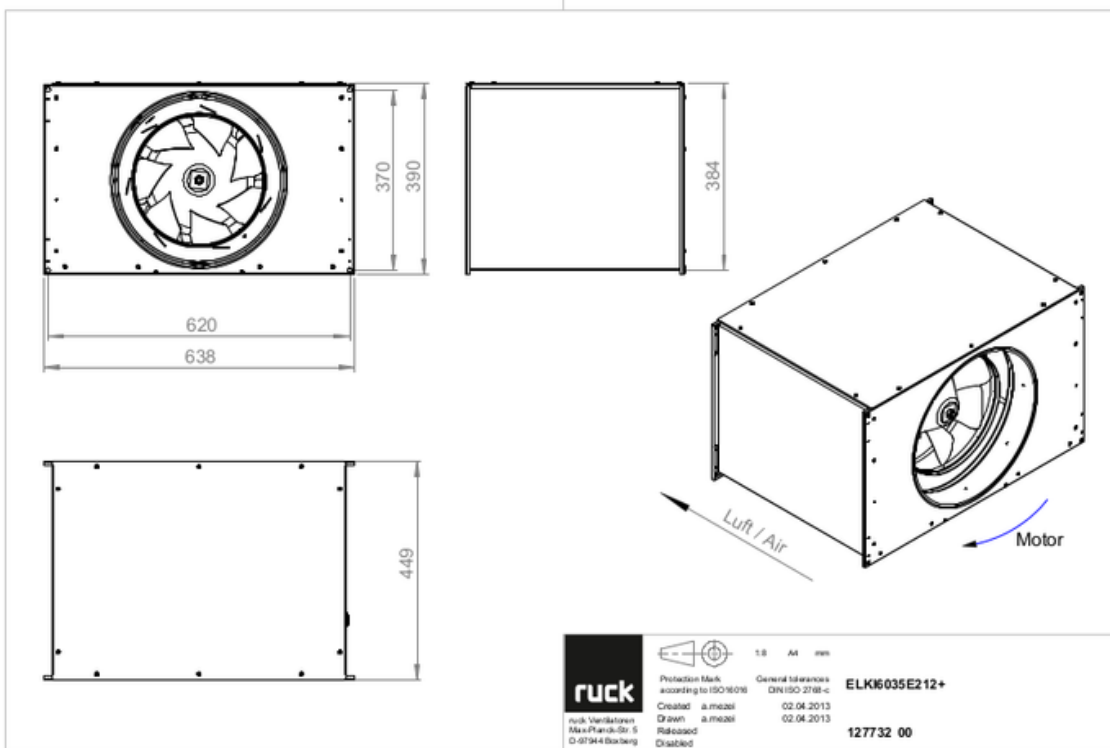


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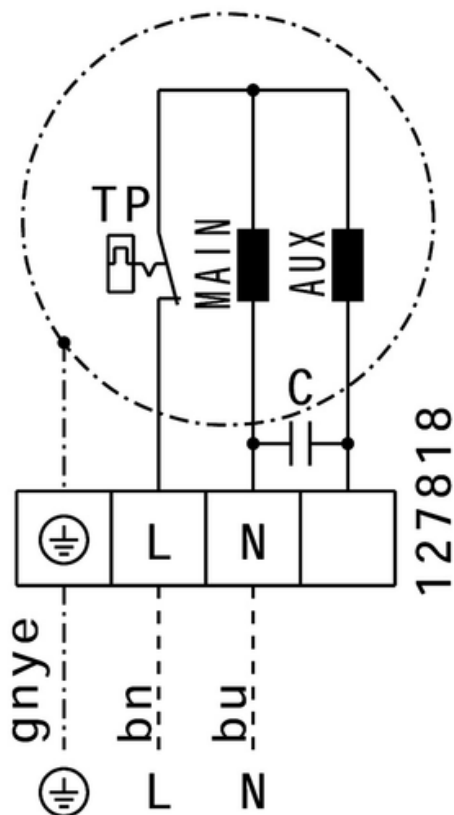
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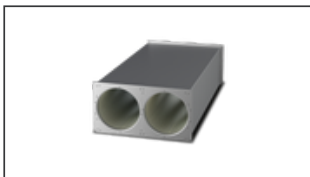
MECHANICAL ACCESSORIES

VS 6035 | 102808



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

SDE 6035 L02 | 127751



- Duct silencer
- Sendzimir galvanized sheet steel housing
- Sound absorption by mineral wool with fleece covering on air side
- 20 mm flange profiles

VKK 6035 | 169684



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



ELECTRICAL ACCESSORIES

GS 01 | 102787



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

TEM 075 | 103507



- 5-step transformer
- 230 V, 50/60 Hz, 7.5 A
- Output voltage: 230-190-170-140-110-80-0 V
- Protection class IP 54
- With motor protection

TEM 075V | 136272



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

TES 075 02 | 146197



- 5-step transformer
- 230 V, 50/60 Hz, 7.5 A
- Without housing, control cabinet installation
- Protection class IP 20



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