

ELKI 7040 E2 10

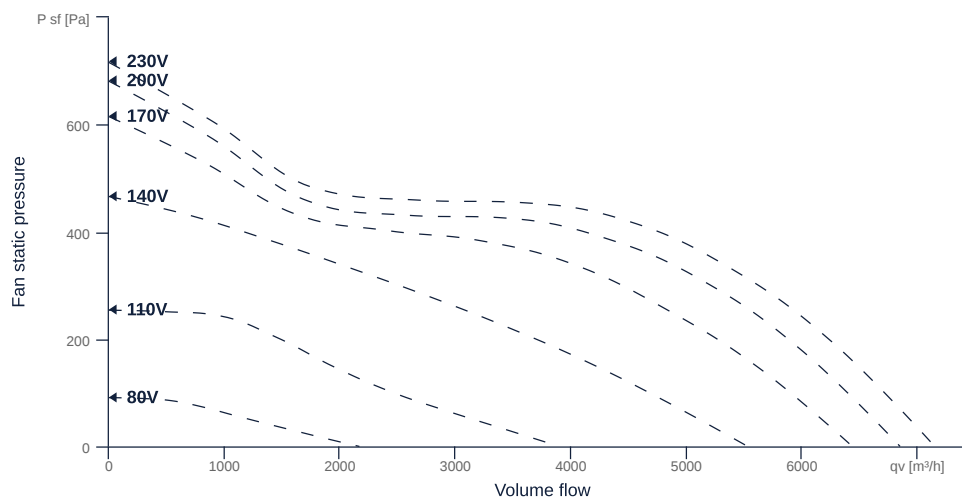
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- Energy efficient diagonal fan
- Optimally tuned and CFD-optimized aerodynamics
- Soundproof housing made of galvanized sheet steel
- Removable fan unit
- Robust single phase AC motor, voltage controllable
- Integrated thermal switch



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	700x400		WxHduct
Pipe connection size (DN)	-		DN
Rated voltage (entire device)	230	v	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	10 A		fuse
Housing material	Galvanized steel		matcasing
Impeller material	Plastic		matimpeller
IP-protection class (entire device)	IPX4		IPcompl
IP-Protection class (terminal box)	IP44		IPebox
Weight	42.58	kg	m
Nominal air flow rate, nominal point m³/h	5551.2	CmH	q _{v,nom}
Nominal external pressure, static	309	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	1.54	CmS	q _{v,nom}
Actual electrical input power, nominal point	1.04	kw	P _{e,nom}
Face velocity, nominal point	5.51	mps	V _{nom}
Nominal external pressure, static	309	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	48.1	p	η _{es,SUP}
Enclosure sound level, nominal point	66	db	LWA2
Rating	Product is compliant 2018		



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MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	1043	w	P _{ed, max}
Max. operating current (device)	6.55	A	I _{ed, max}
Max. speed	2870	rpm	n _{max}
Max. stat. efficiency	48.1	p	η _{es}
Max. fan efficiency	49.5	p	η _e
Max. flowrate	7150	CmH	Q _{v, max}
Max. stat pressure	720	Pa	p _{sf, max}
Max. medium temperature	70	°C	T _{m, max}
Max. environment temperature	70	°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		protect _{motor}
Protection class		IP54		IP _{motor}
Is pole-changeable		No		pole _{exch}
Type of power supply		AC 1~		pwr _{sup} _{motor}
Capacity capacitor		10	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	1.9		A	I _{rated, f1}
Nominal power	300		w	P _a
Speed	2820		rpm	n _{r1}
Cos Phi	0.990000	0.000000		cos φ
UL-Certification motor		None		UL _{cert}

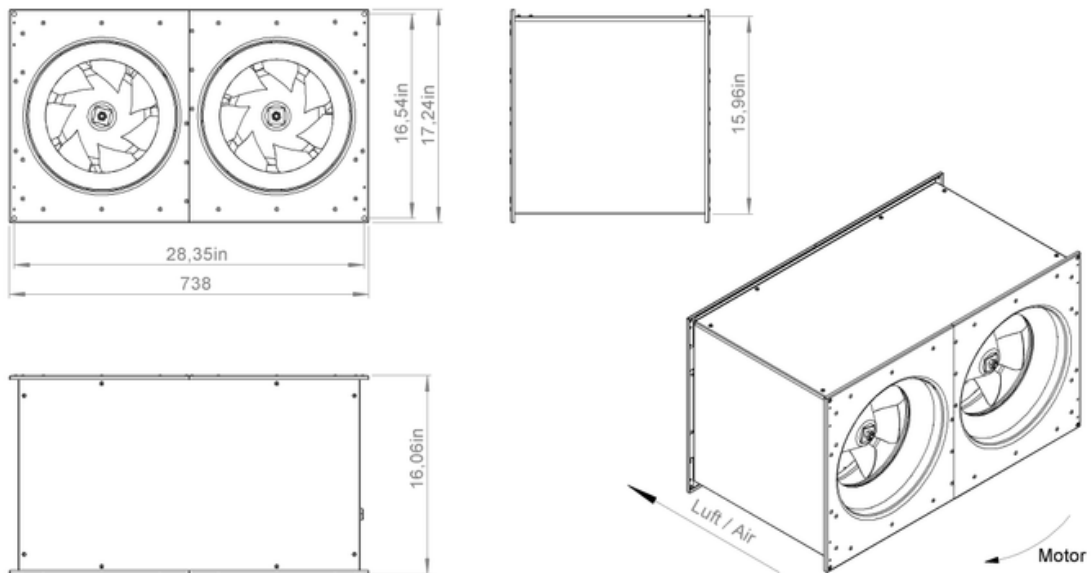


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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



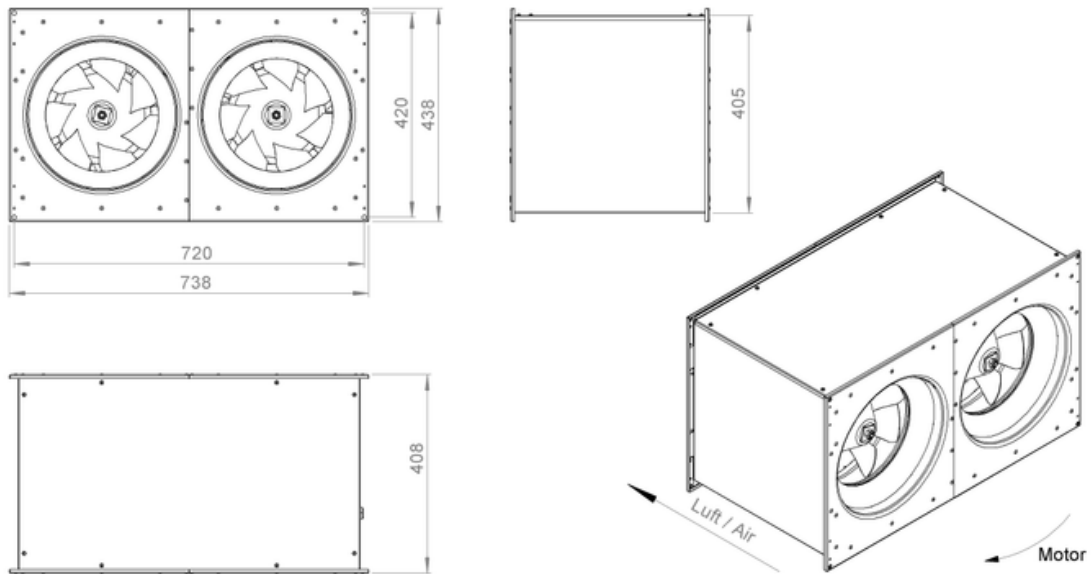
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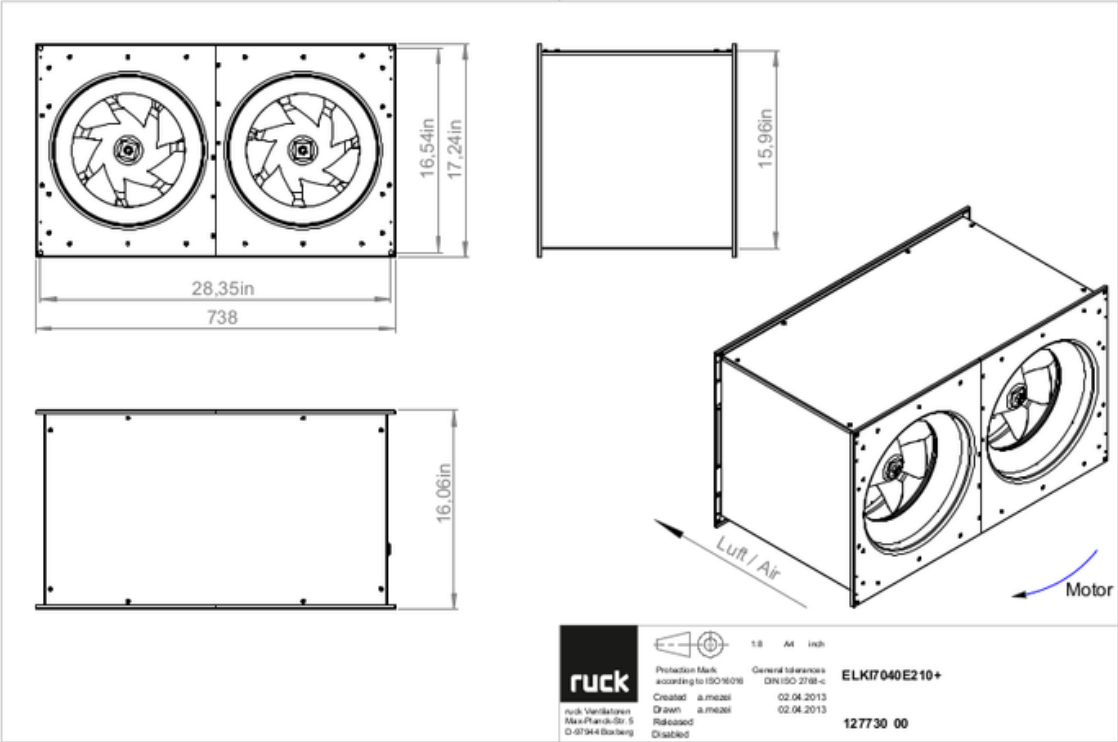


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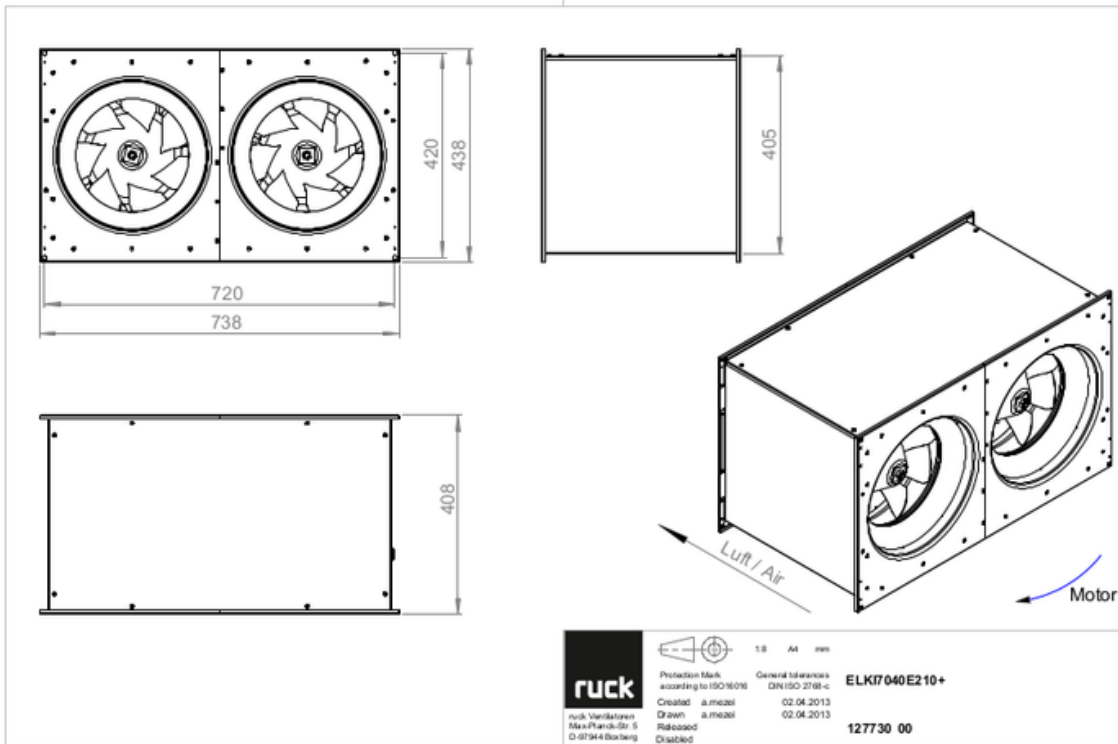


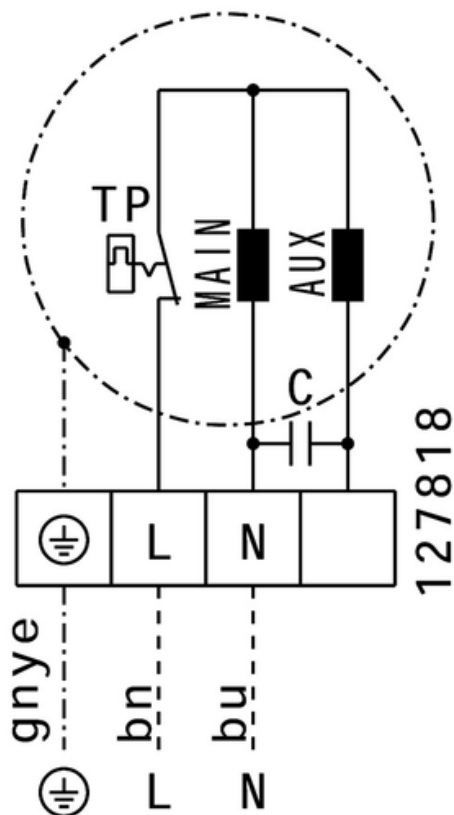
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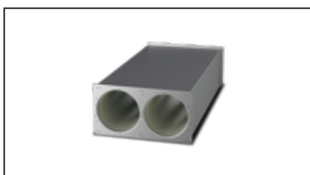
MECHANICAL ACCESSORIES

VS 7040 | 103951



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

SDE 7040 L02 | 127753



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

VKK 7040 | 169685



- 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

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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