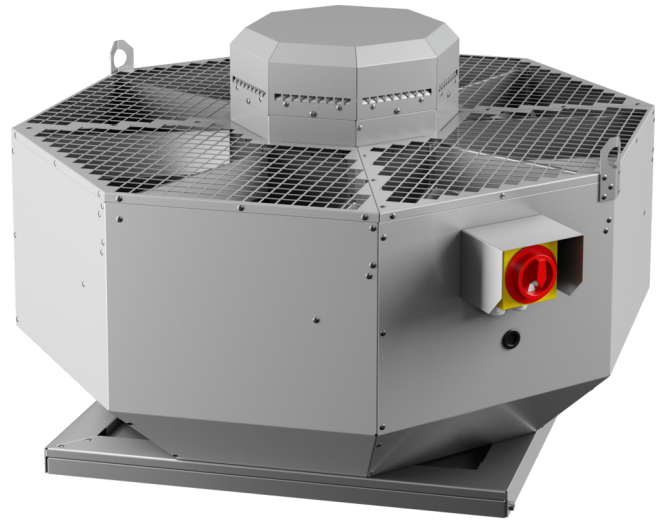


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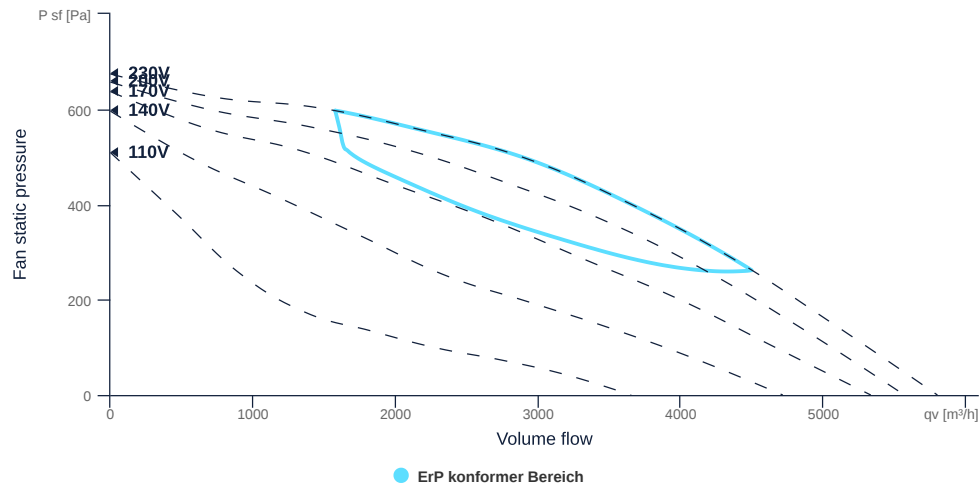
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- Backward curved radial impeller
- Vertical discharge
- Hinged housing made of aluminum AlMg3
- Robust single phase AC motor, steplessly controllable
- Conveyed medium temperature up to 60 °C in continuous operation
- Integrated device switch



MAP

Name	Value	Unit
Volume flow	0	m³/h
Pressure	0	Pa



to the product detail page

DVL 450 E4 RK - 01

160872

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GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	none		
Duct size	-		WxH _{duct}
Pipe connection size (DN)	DN400		DN
Rated voltage (entire device)	230	V	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Aluminium		mat _{casing}
Impeller material	Steel		mat _{impeller}
Weight	47.9	kg	m
Nominal air flow rate, nominal point m³/h	3240	m³/h	q _{v,nom}
Nominal external pressure, static	457.9	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	0.9	m³/s	q _{v,nom}
Actual electrical input power, nominal point	0.79	kW	P _{e,nom}
Face velocity, nominal point	2.1	m/s	v _{nom}
Nominal external pressure, static	457.9	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	52.7	%	η _{es,SUP}
Enclosure sound level, nominal point	84	dB(A)	L _{WA2}
Rating	Product is compliant 2018		

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	793	W	P _{ed, max}
Max. operating current (device)	4.4	A	I _{ed, max}
Max. speed	1450	1/min	n _{max}
Max. stat. efficiency	49.7	%	η _{es}
Max. fan efficiency	49.9	%	η _e
Max. flowrate	5800	m³/h	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	-25	°C	T _{amb, min}



DVL 450 E4 RK - 01

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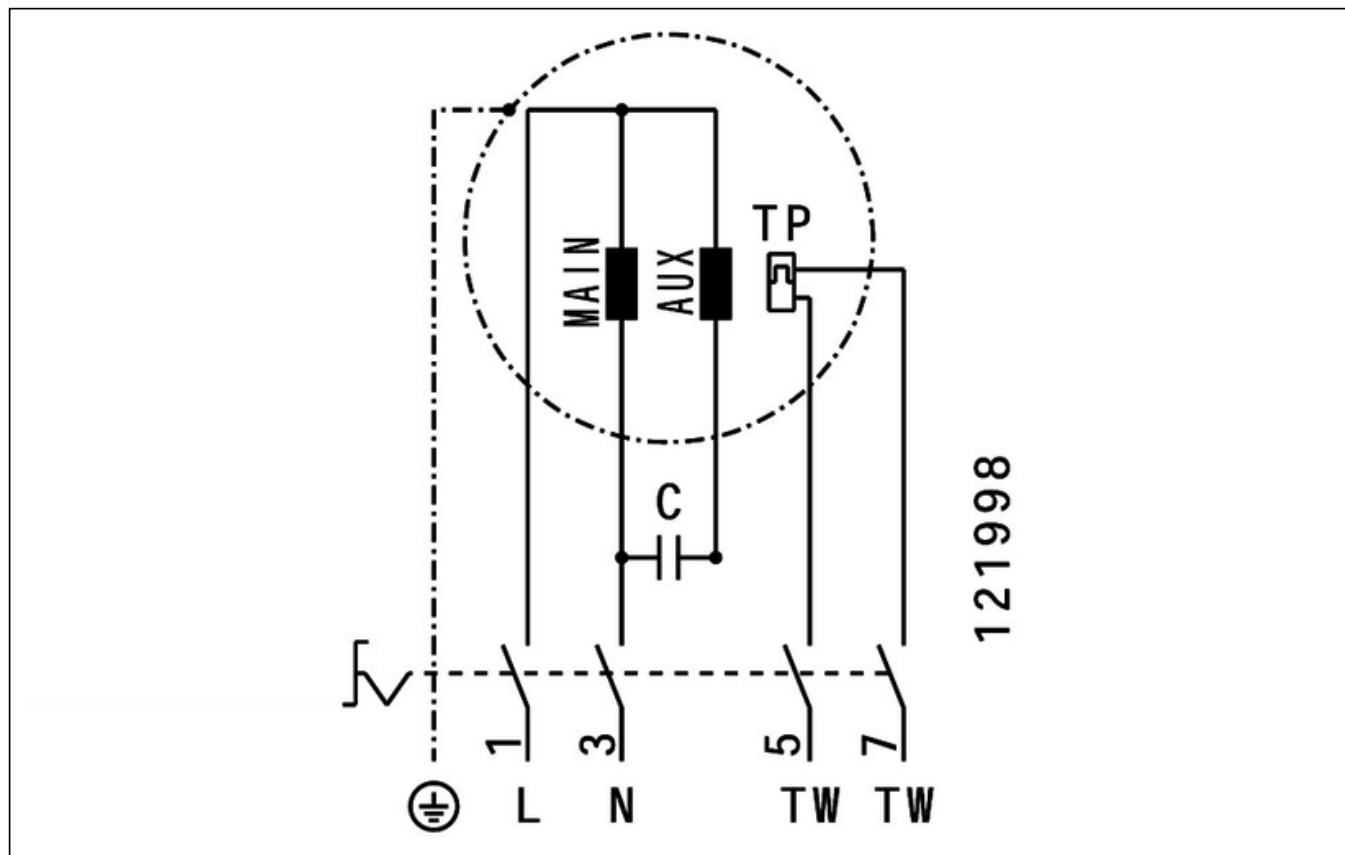
MOTOR DATA

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
Protection class		IP54		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		16	µF	Ccond
Voltage capacitor		400	V	VUcond
Rated voltage	230		V	U _{rated, f1}
Rated current	3.3		A	I _{rated, f1}
Shaft power	550		W	P _{out, f1}
Speed	1350		1/min	n _{f1}
Min. temperature	-25		°C	T _{motor, min}
Cos Phi	0.980000	0.000000		cos φ
UL-Certification motor		None		ULcert



to the product detail page

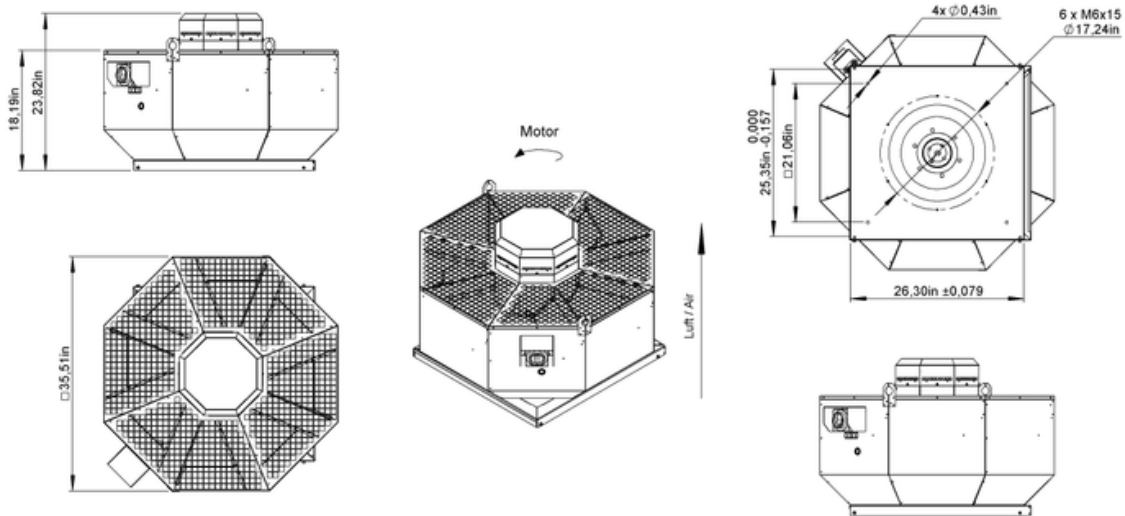
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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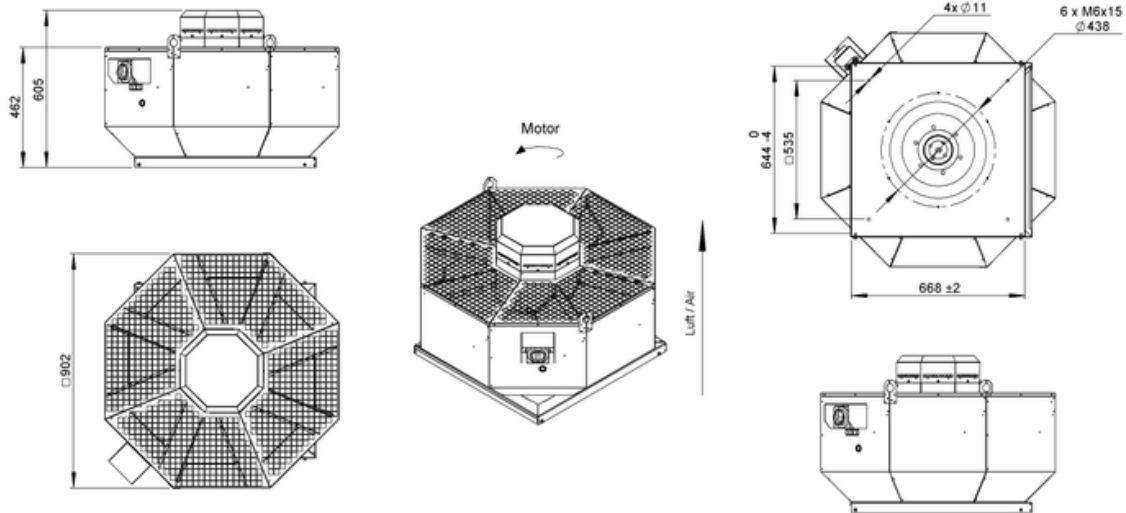


to the product detail page

DVL 450 E4 RK - 01

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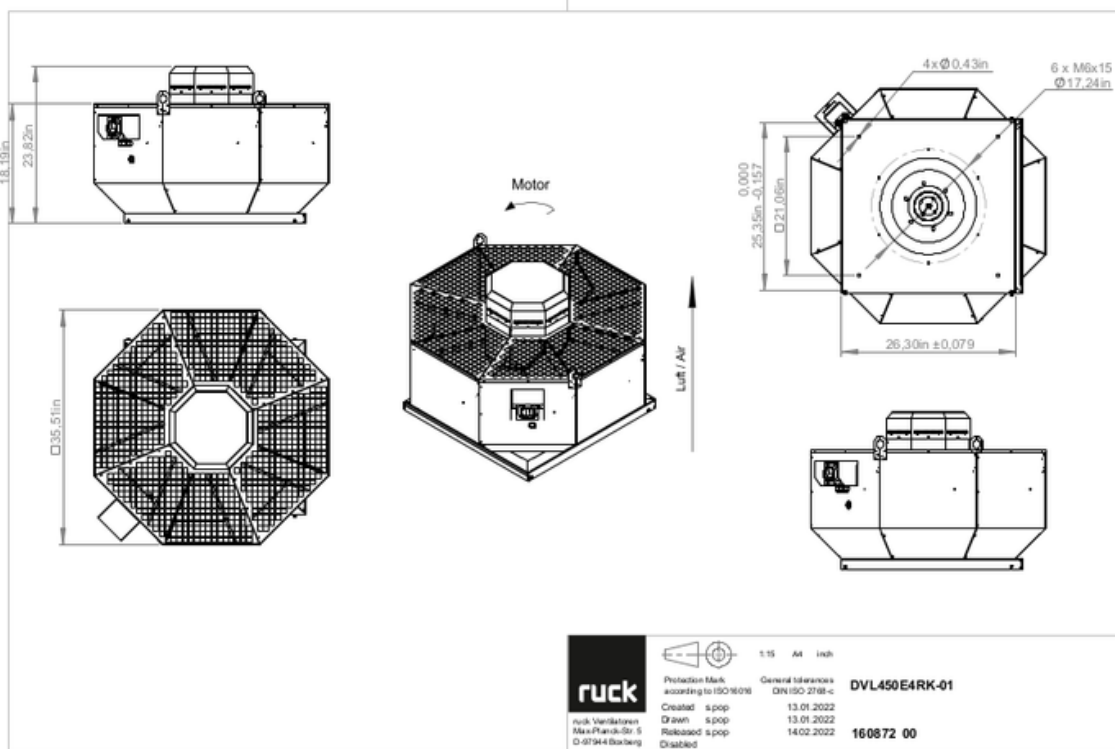


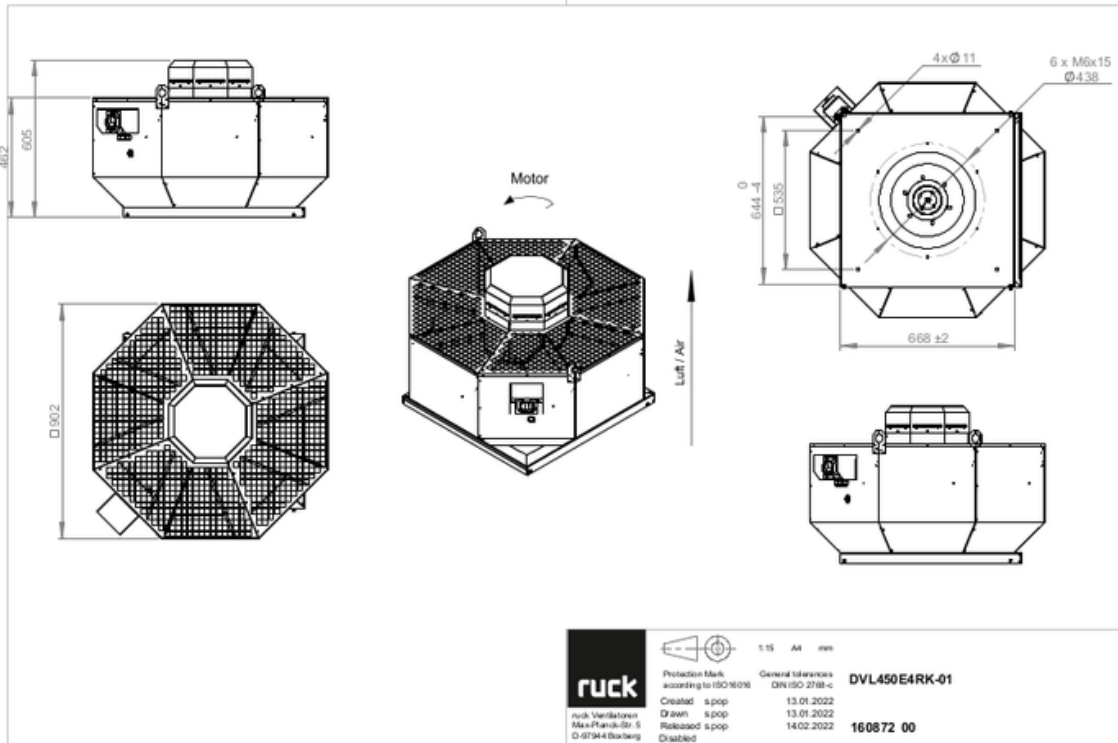
to the product detail page

DVL 450 E4 RK - 01

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MECHANICAL ACCESSORIES

DVK 400 10 | 152897



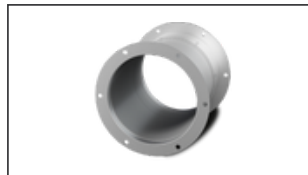
- Automatic roof shutter
- Galvanized steel sheet

DAF 400 | 109826



- Roof inlet flange
- Galvanized steel sheet

DAS 400 | 109827



- Flexible roof inlet spigot
- Temperature resistant up to 75 °C

DSF 450-10 | 126193



- Flat roof socket
- Made of aluminum AlMg3
- Sound and heat insulation

DSF 450-12 | 133850



- Sloped roof socket
- Made of aluminum AlMg3
- Sound and heat insulation
- For roof slope 3°

DAP 450 | 133976



- Adapter plate for roof mounting of roof fans
- Galvanized steel sheet

DSS 450-10 | 126461



- Flat roof socket silencer
- Made of aluminum AlMg3
- Sound and heat insulation

DSS 450-12 | 134444



- Sloped roof socket silencer
- Made of aluminum AlMg3
- Sound and heat insulation
- For roof slope 3°



to the product detail page

DVL 450 E4 RK - 01

160872

ELECTRICAL ACCESSORIES

TEM 050 | 103519



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

TEM 050G | 109966



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

TES 050 02 | 146196



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



to the product detail page