

DVNI 280 EC 30

145175

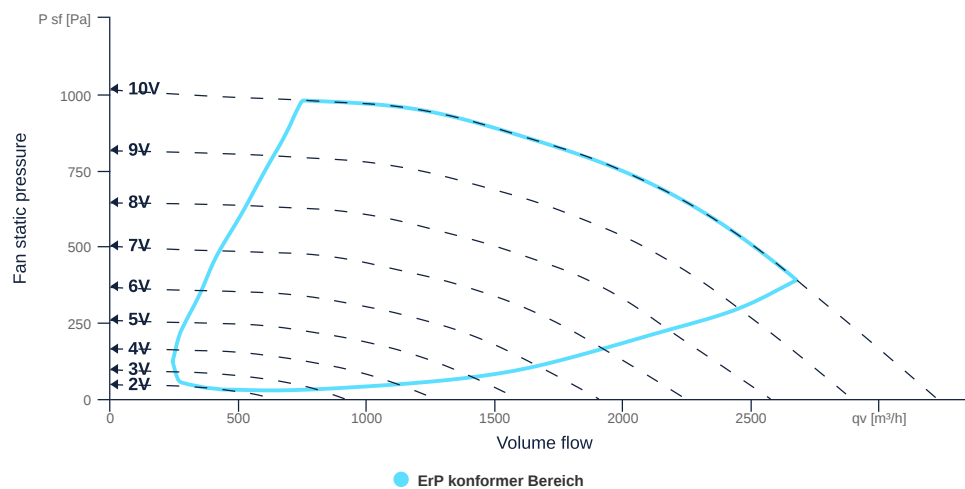
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- Backward curved radial impeller
- Vertical discharge
- Housing: insulated, AlMg3, hinged, grease drain
- High efficiency EC motor, steplessly controllable
- For greasy kitchen exhaust air, up to 120 °C
- Integrated device switch



MAP

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	-		WxH _{duct}
Pipe connection size (DN)	DN250		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	kg	m
Nominal air flow rate, nominal point m³/h	1900.8	m³/h	q _{v,nom}
Nominal external pressure, static	775.2	Pa	p _{s,nom}
Fan type	Radial		F _{an} type
Category / Installation situation	A		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m³/s	0.53	m³/s	q _{v,nom}
Actual electrical input power, nominal point	0.79	kW	P _{e,nom}
Face velocity, nominal point	9.5	m/s	v _{nom}
Nominal external pressure, static	775.2	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	58.3	%	η _{es,SUP}
Enclosure sound level, nominal point	86	dB(A)	L _{WA2}
Rating	Product is compliant 2018		

MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	798	798	W	P _{ed, max}
Max. operating current (device)	3.74	3.74	A	I _{ed, max}
Max. speed	3000	3000	1/min	n _{max}
Max. stat. efficiency	50.6	50.6	%	η _{es}
Max. fan efficiency	54.5	54.5	%	η _e
Max. flowrate	3230	3230	m³/h	q _{v, max}
Max. stat pressure	1010	1010	Pa	p _{sf, max}
Max. medium temperature	120	120	°C	T _{m, max}
Max. environment temperature	40	40	°C	T _{amb, max}
Min. environment temperature	-20	-20	°C	T _{amb, min}



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MOTOR DATA

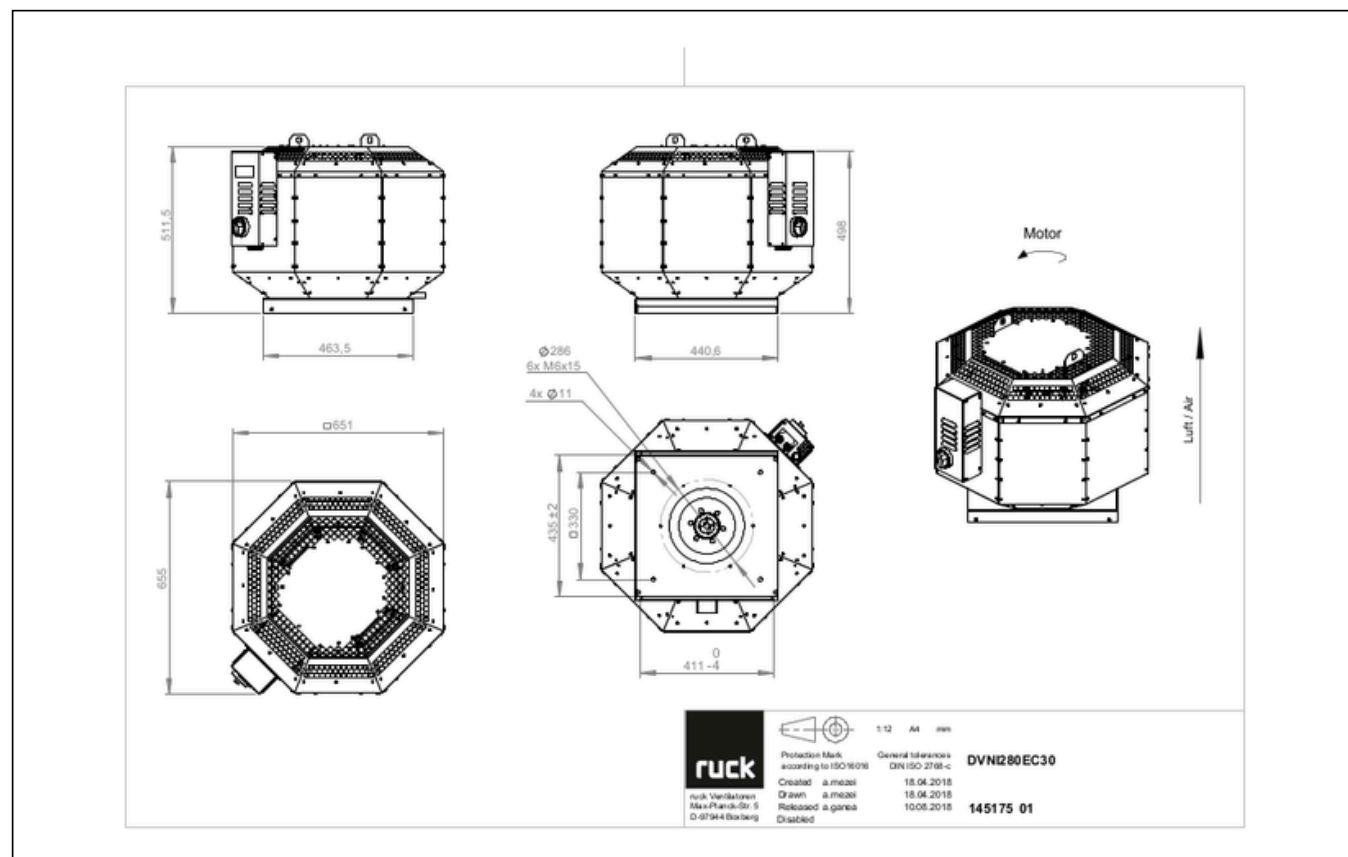
Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		EC		phase
Control type		stepless-controlled		ctrltype
Installation type		IRM (In)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Protection class		IP54		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrSupmotor
Rated voltage	230		V	Urated, f1
Rated current	4.4		A	Irated, f1
Shaft power	750		W	Pout, f1
Speed	3000		1/min	n _{f1}
UL-Certification motor		UL recognized		ULcert

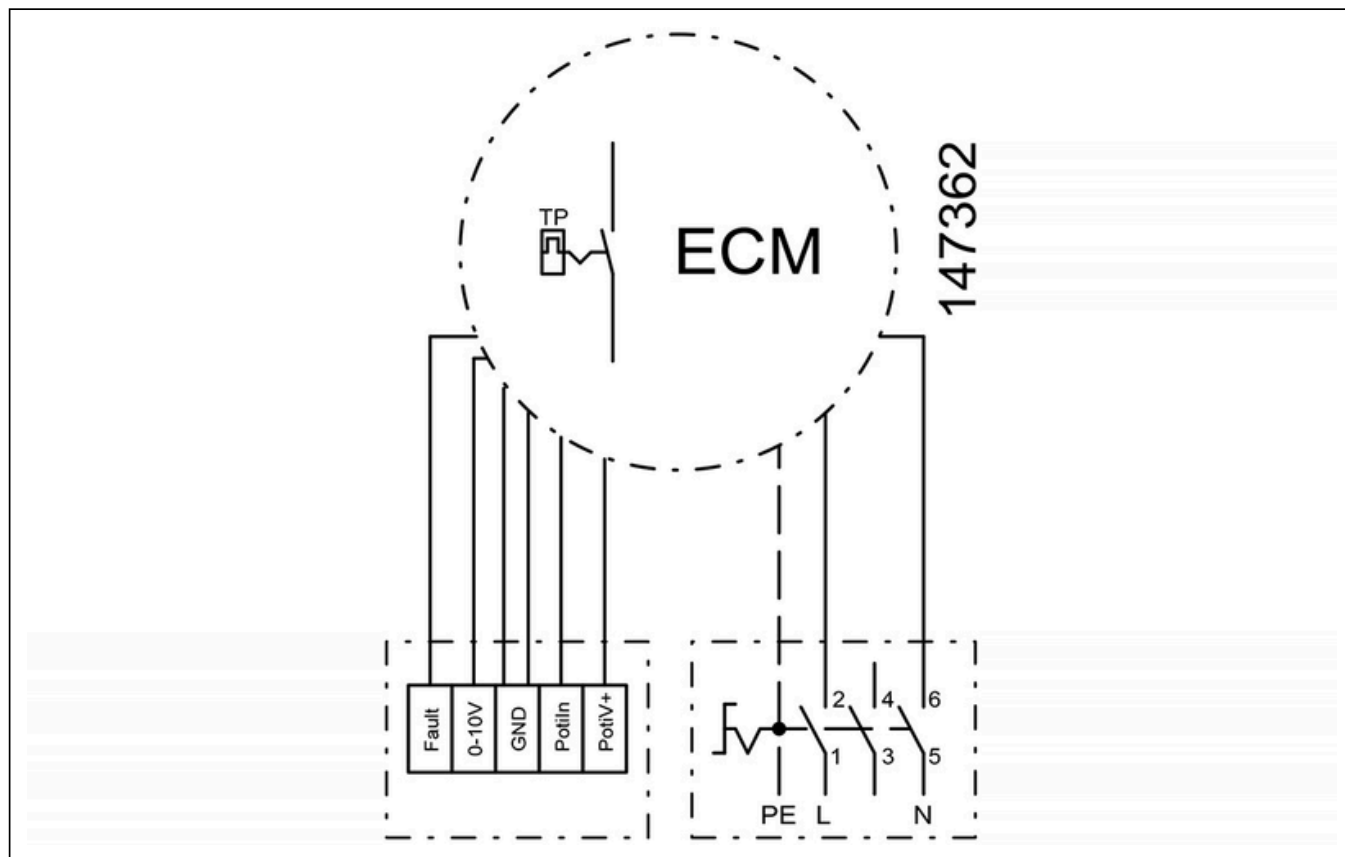
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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

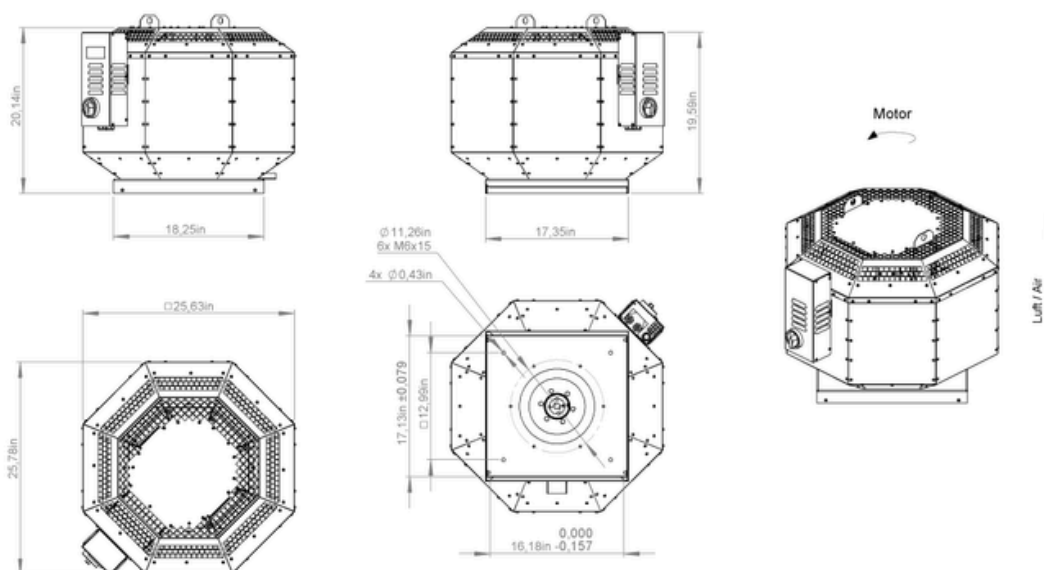




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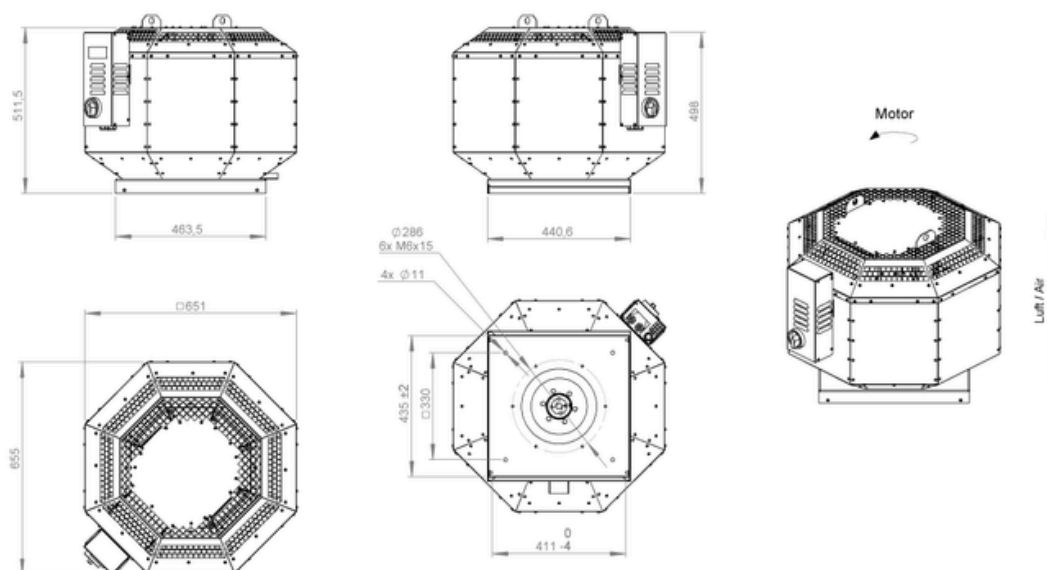


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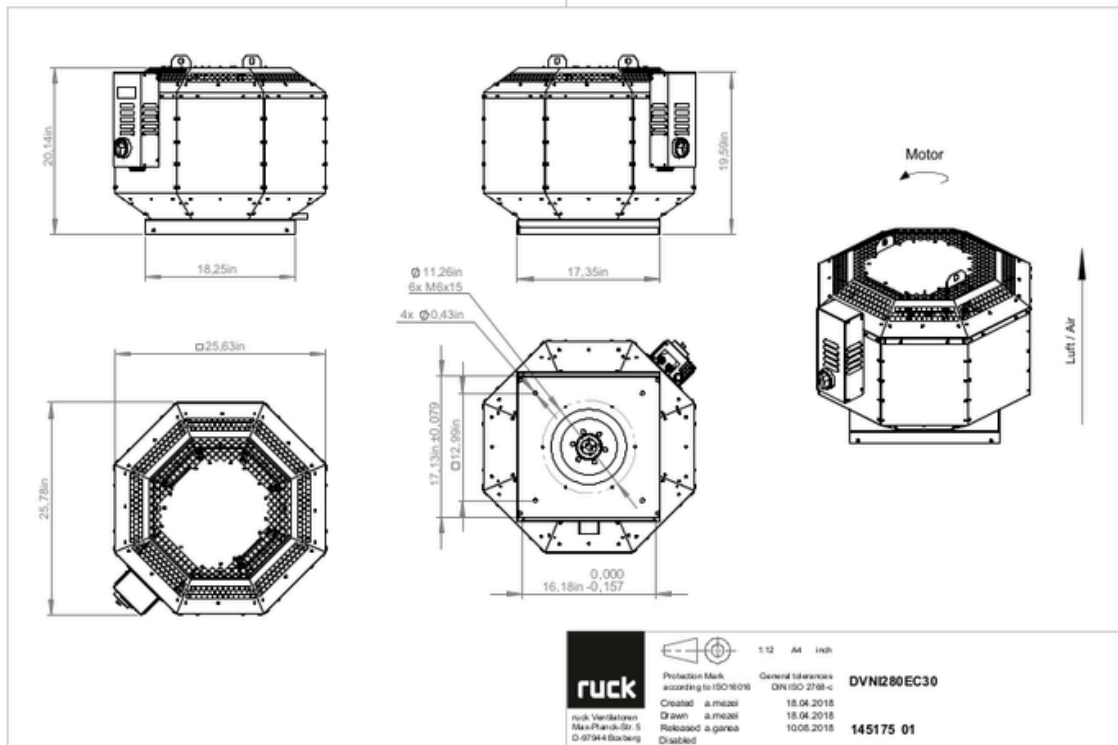


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MECHANICAL ACCESSORIES

DVK 250 10 | 152997



- Automatic roof shutter
- Galvanized steel sheet

DAF 250 | 110585



- Roof inlet flange
- Galvanized steel sheet

DAF 200 | 110737



- Roof inlet flange
- Galvanized steel sheet

DSF 280-10 | 126164



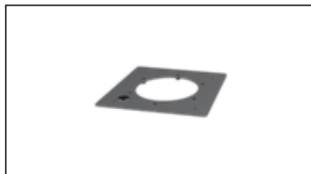
- Flat roof socket
- Made of aluminum AlMg3
- Sound and heat insulation

DSF 280-12 | 133736



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

DAP 280 | 133954



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

DSS 280-10 | 126383



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

DSS 280-12 | 134357



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

DAS 250 F4 | 145423



- Flexible roof inlet spigot F4
- Temperature resistant up to 400 °C



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ELECTRICAL ACCESSORIES

MTP 20 | 128146



- Potentiometer 10 kΩ
- Switching contact 1A/250V AC - 2,5A/12V DC
- Max. ambient temperature 50 °C
- VDE

MTP 30 | 143289



- Stepped potentiometer 10 kΩ
- Step 1 + 2 settable 10 % - 100 % Vdc
- Step 3 100 % Vdc
- Supply voltage +10 Vdc

MTP 40 | 147359



- Potentiometer 10 kΩ
- Connection in terminal box
- Max. ambient temperature 50 °C
- PU: 20 pieces

SEN AIR | 148641



- Airflow and temperature transducer
- Measuring range temperature 0...+50 °C
- With adjustable switching threshold (air speed)
- Measuring range air velocity up to 20 m/s

CON P1000 | 115259



- Constant pressure control
- Actual value display possible via optional control unit
- Output 0-10 V DC + FC enable + setpoint reached
- Pressure setting by means of decade switch

SEN P1000 | 126080



- Differential pressure sensor
- P-control, PV-control
- P = 2 pcs. required, PV = 1 pcs. required

MTP 50 | 153133



- Potentiometer with multifunction output
- 230 VAC ±10 % / 50-60 Hz
- Selectable output: 1-10 VDC / 2-20 mA / 10-100 % PWM
- Min. and max. output value adjustable

