

DVNI 225 EC 30

145173

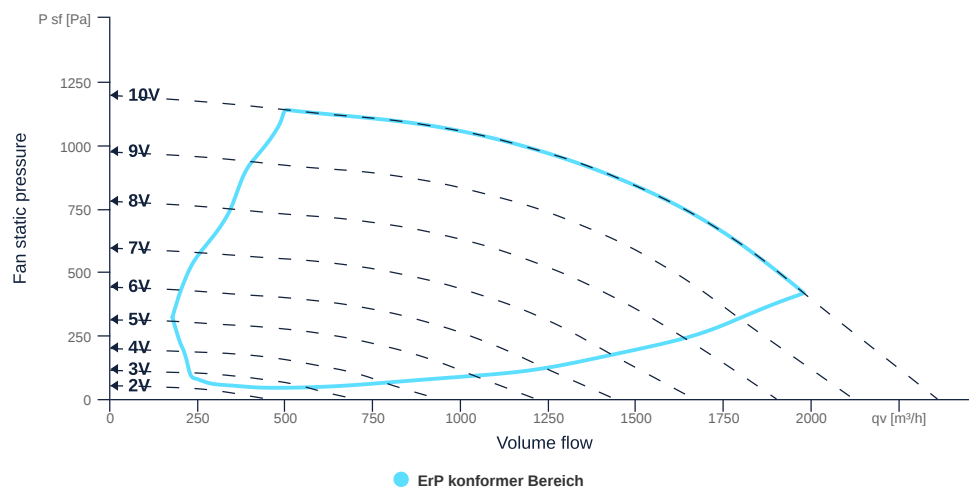
ruck

- 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



to the product detail page

DVNI 225 EC 30

145173

ruck

GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		WxH _{duct}
Pipe connection size (DN)	DN180		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	36.4	kg	m
Nominal air flow rate, nominal point m³/h	1342.8	m³/h	q _{v,nom}
Nominal external pressure, static	816	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	0.37	m³/s	q _{v,nom}
Actual electrical input power, nominal point	0.57	kW	P _{e,nom}
Face velocity, nominal point	6.7	m/s	v _{nom}
Nominal external pressure, static	816	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	63.2	%	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
	50 Hz	60 Hz		
Max. power consumption (device)	662	662	W	P _{ed, max}
Max. operating current (device)	3.11	3.11	A	I _{ed, max}
Max. speed	3998	3998	1/min	n _{max}
Max. stat. efficiency	50.8	50.8	%	η _{es}
Max. fan efficiency	52.4	52.4	%	η _e
Max. flowrate	2360	2360	m³/h	q _{v, max}
Max. stat pressure	1195	1195	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}

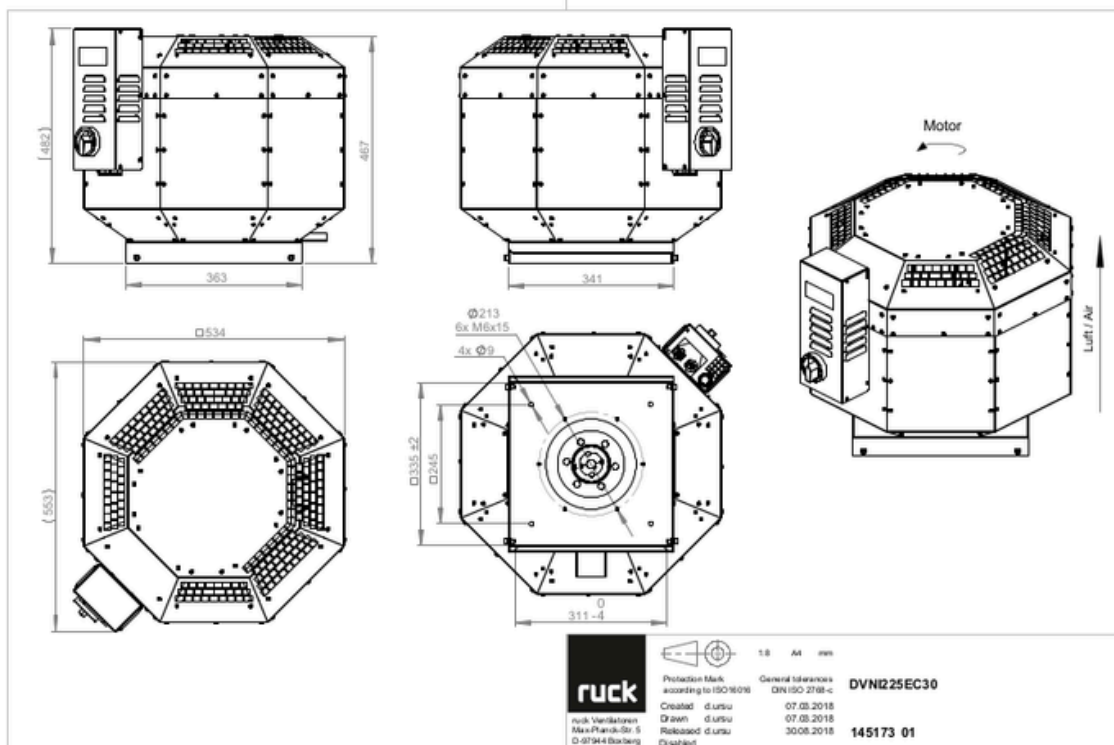


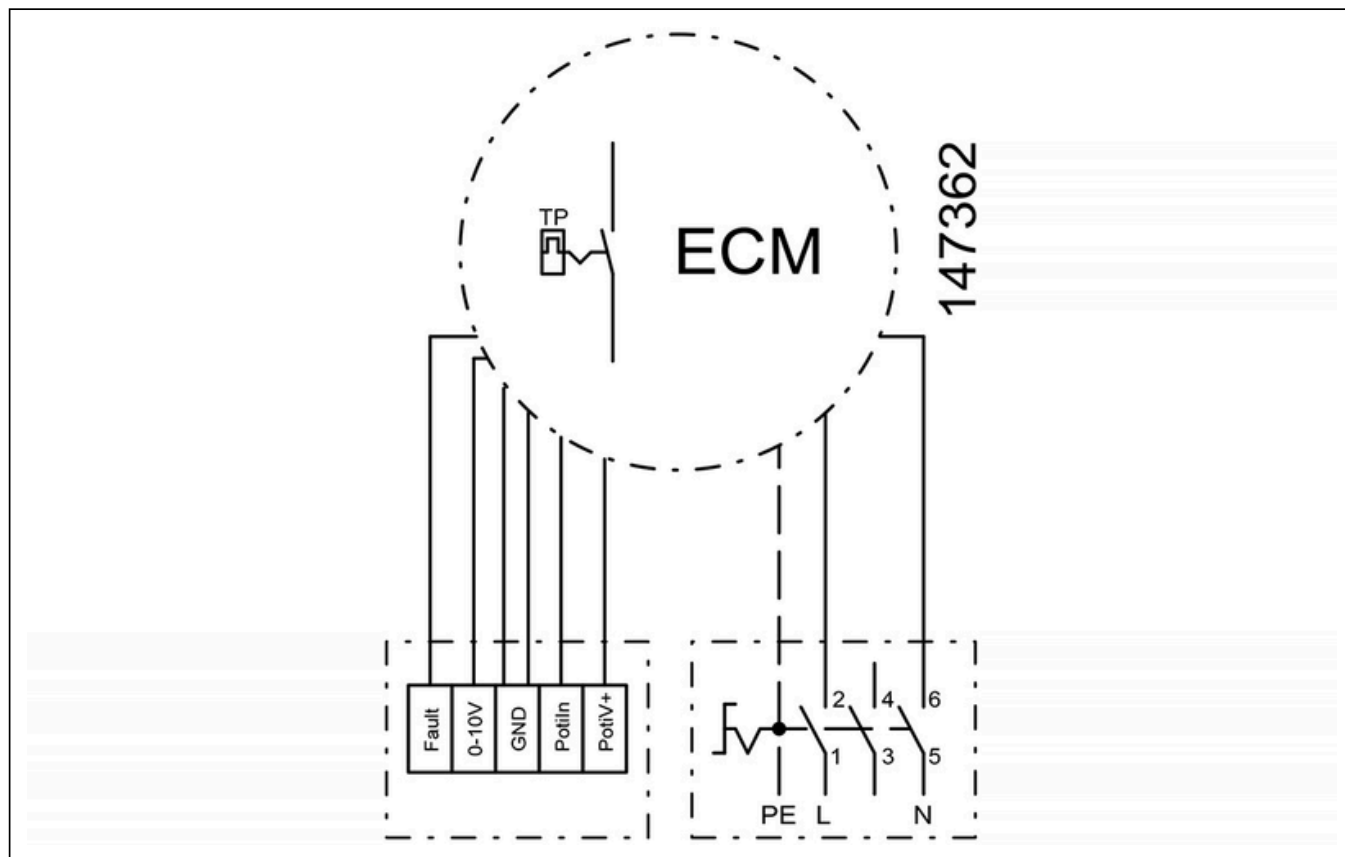
to the product detail page

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	nf1
UL-Certification motor		UL recognized		ULcert

CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

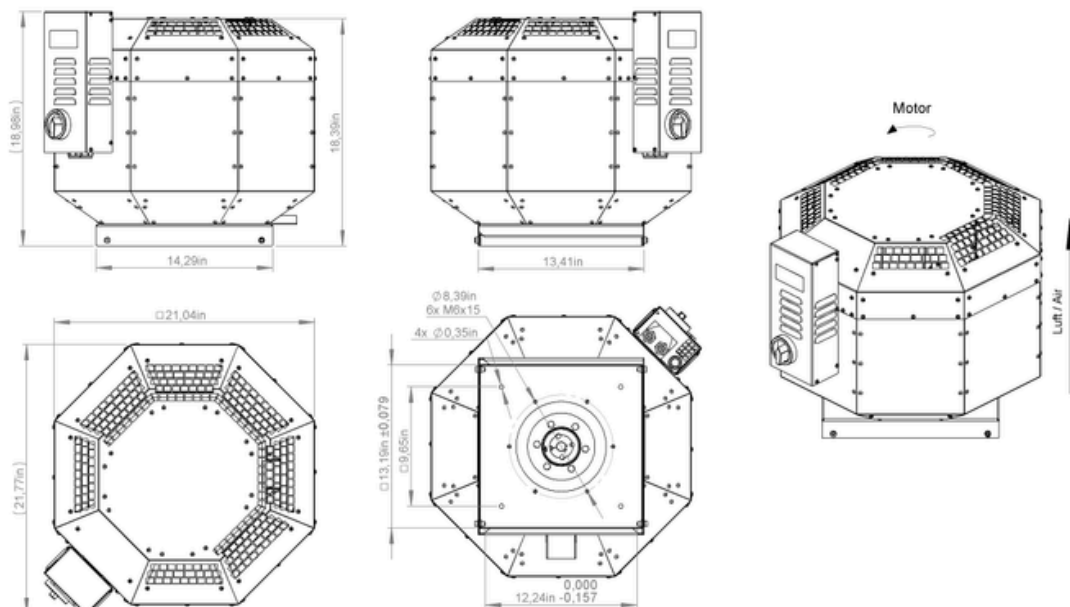




DVNI 225 EC 30

145173

ruck



145173 01

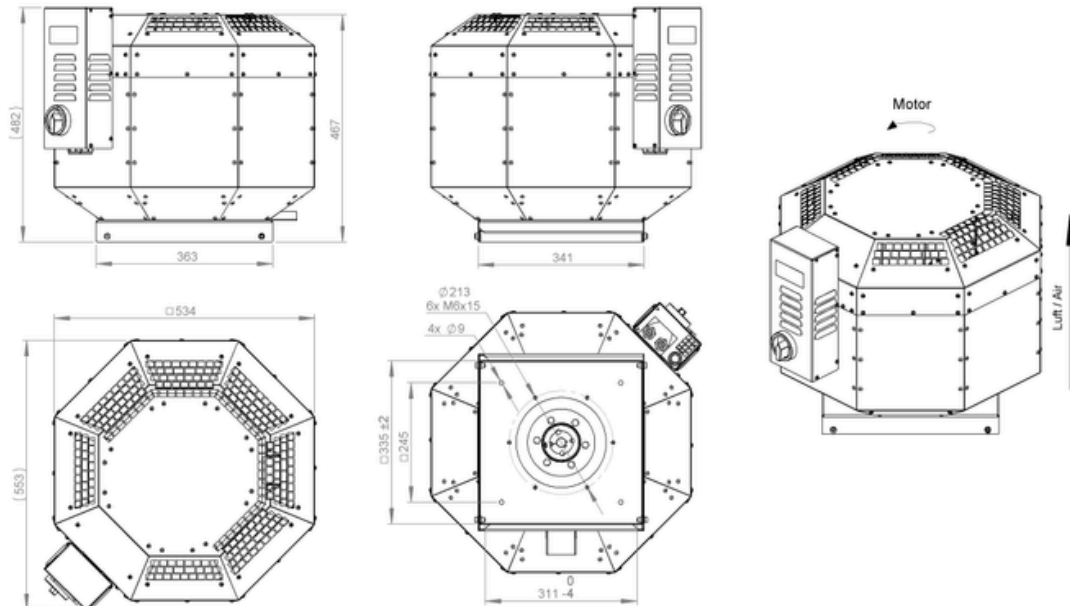


to the product detail page

DVNI 225 EC 30

145173

ruck



145173 01

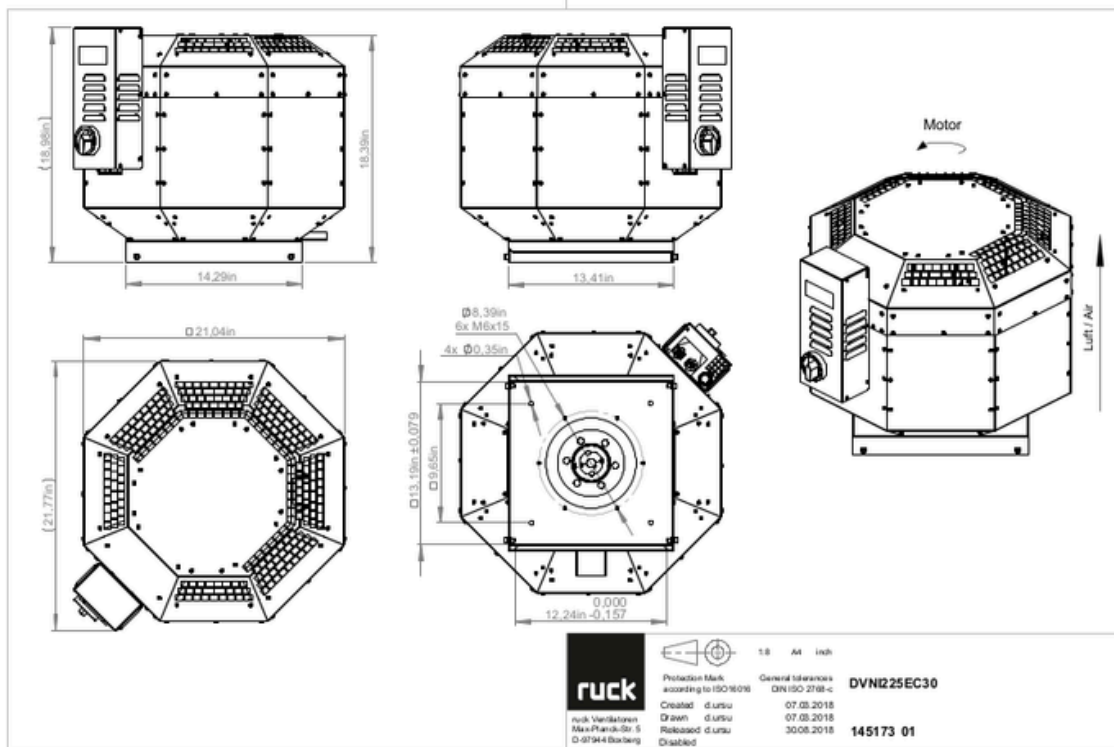


to the product detail page

DVNI 225 EC 30

145173

ruck



MECHANICAL ACCESSORIES

DVK 180 10 | 153000



- Automatic roof shutter
- Galvanized steel sheet

DAF 150 | 110735



- Roof inlet flange
- Galvanized steel sheet

DAF 180 | 110744



- Roof inlet flange
- Galvanized steel sheet

DAF 160 | 137396



- Roof inlet flange
- Galvanized steel sheet

DAS 180 F4 | 145422



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

DSF 220-10 | 126170



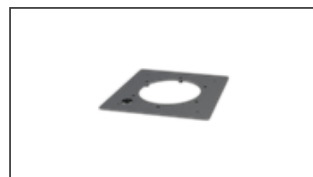
- Flat roof socket
- Made of aluminum AlMg3
- Sound and heat insulation

DSF 220-12 | 133709



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

DAP 220 | 133946



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

DSS 220-10 | 126356



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

DSS 220-12 | 134283



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



to the product detail page

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



to the product detail page