

DVA 280 E4P 31

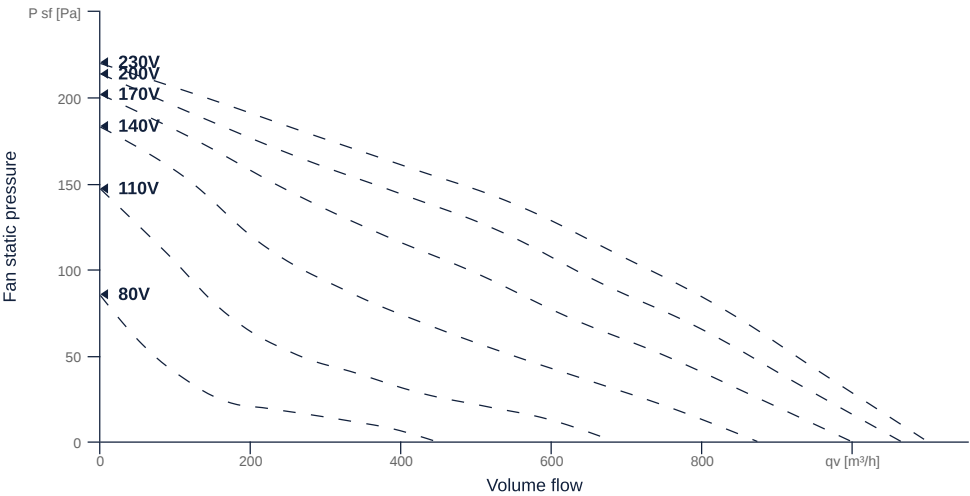
139321

- Backward curved radial impeller
- Vertical discharge
- Housing made of aluminum AlMg3
- Robust single phase AC motor, steplessly controllable
- Conveyed medium temperature up to 70 °C in continuous operation
- Integrated device switch



MAP

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



to the product detail page

DVA 280 E4P 31

139321

ruck

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	Galvanized steel		mat _{impeller}
IP-protection class (casing)	IP44		IP _{casing}
IP-protection class (entire device)	IPX4		IP _{compl}
IP-Protection class (terminal box)	IP44		IP _{ebox}
Weight	8.4	kg	m
Nominal air flow rate, nominal point m³/h	543.6	m³/h	q _{v,nom}
Nominal external pressure, static	109	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	0.15	m³/s	q _{v,nom}
Actual electrical input power, nominal point	0.06	kW	P _{e,nom}
Face velocity, nominal point	1.68	m/s	v _{nom}
Nominal external pressure, static	109	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	29.9	%	η _{es,SUP}
Enclosure sound level, nominal point	67	dB(A)	L _{WA2}
Rating	Product is compliant 2018		



to the product detail page

DVA 280 E4P 31

139321

ruck

MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	82	106	W	P _{ed, max}
Max. operating current (device)	0.42	0.53	A	I _{ed, max}
Max. speed	1400	1640	1/min	n _{max}
Max. stat. efficiency	24.5	26	%	η _{es}
Max. fan efficiency	24.9	26.3	%	η _e
Max. flowrate	1100	1260	m³/h	Q _{v, max}
Max. stat pressure	220	300	Pa	p _{sf, max}
Max. medium temperature	70	70	°C	T _{m, max}
Max. environment temperature	70	70	°C	T _{amb, max}
Min. environment temperature	-25	-25	°C	T _{amb, min}
Min. voltage	80	80	V	U _{min}
Stall current		0.57	A	I _{LRA}

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		ORM (Out)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISO _{class}
Motor-protection		TAI		protect _{motor}
Protection class		IP33		IP _{motor}
Is pole-changeable		No		pole _{exch}
Type of power supply		AC 1~		pwr _{sup} _{motor}
Capacity capacitor		3	μF	C _{cond}
Voltage capacitor		450	V	VU _{cond}
Number of poles (1)		4.000000		num poles _{w1}
Rated voltage	230		V	U _{rated, f1}
Rated current	0.48		A	I _{rated, f1}
Speed	1368		1/min	n _{f1}
Efficiency	51		%	η _{m, f1}
Min. temperature	-30		°C	T _{motor, min}
Cos Phi	0.990000	0.000000		cos φ
UL-Certification motor		None		UL _{cert}

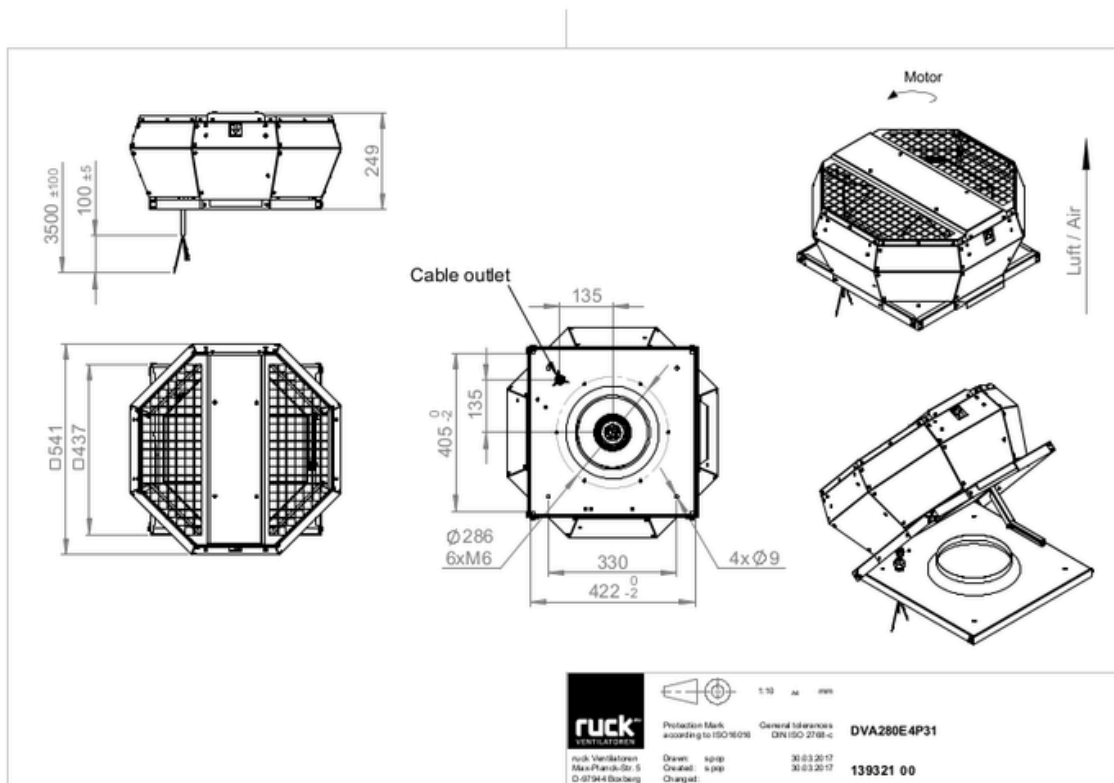


DVA 280 E4P 31

139321

ruck

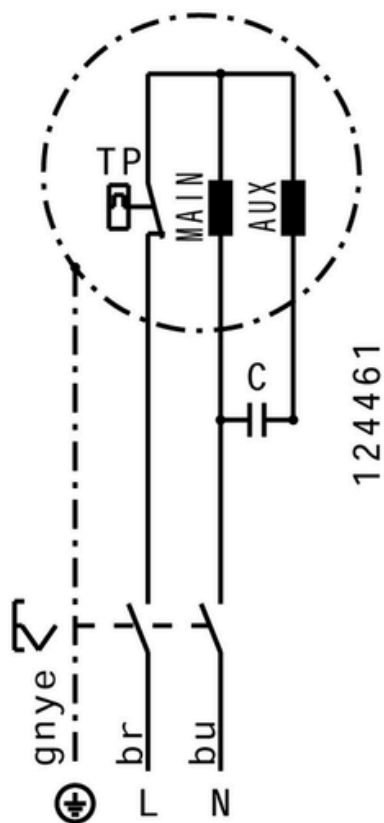
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



DVA 280 E4P 31

139321

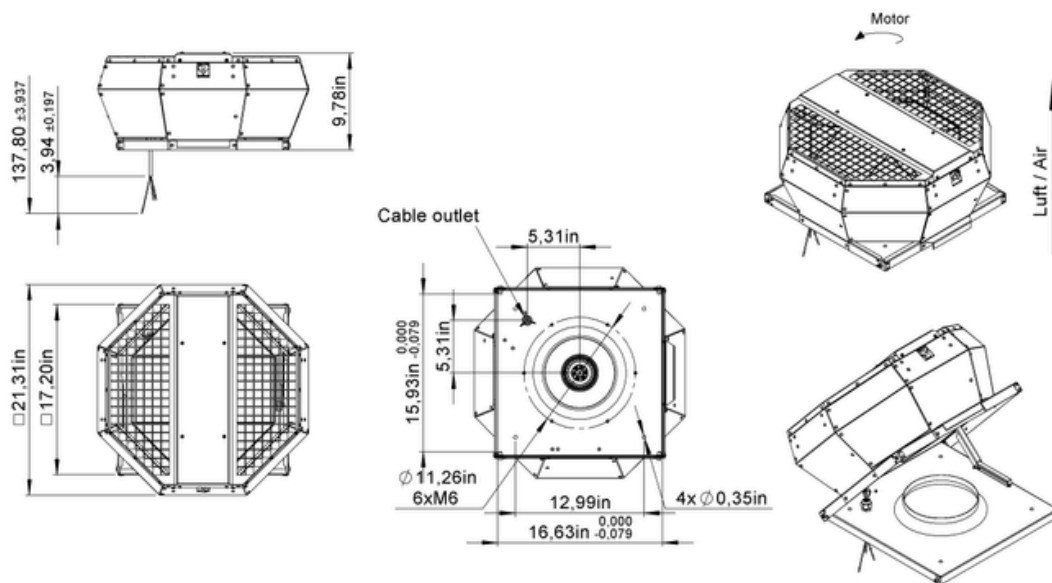
ruck



DVA 280 E4P 31

139321

ruck



139321 00

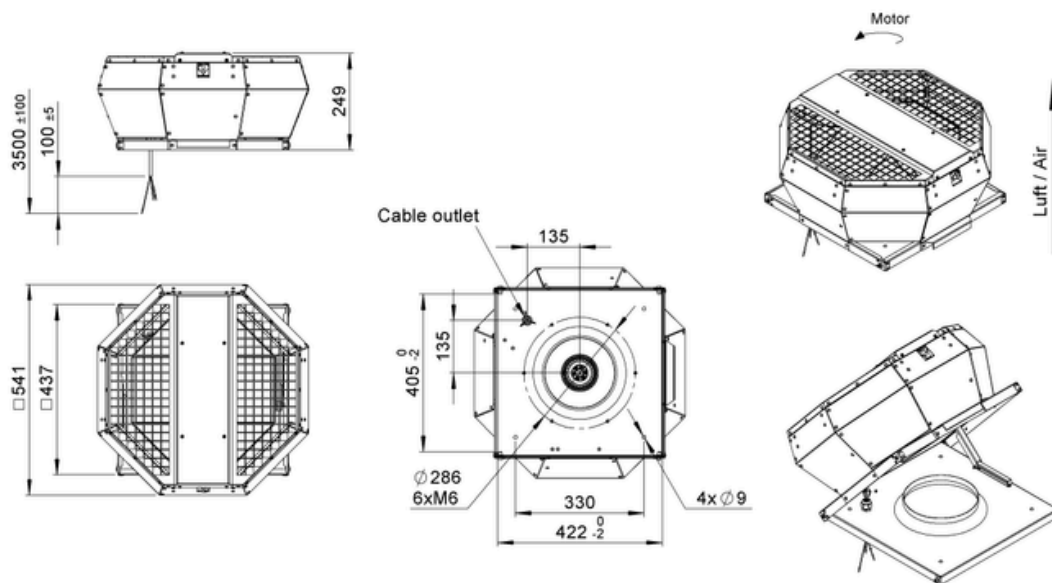


to the product detail page

DVA 280 E4P 31

139321

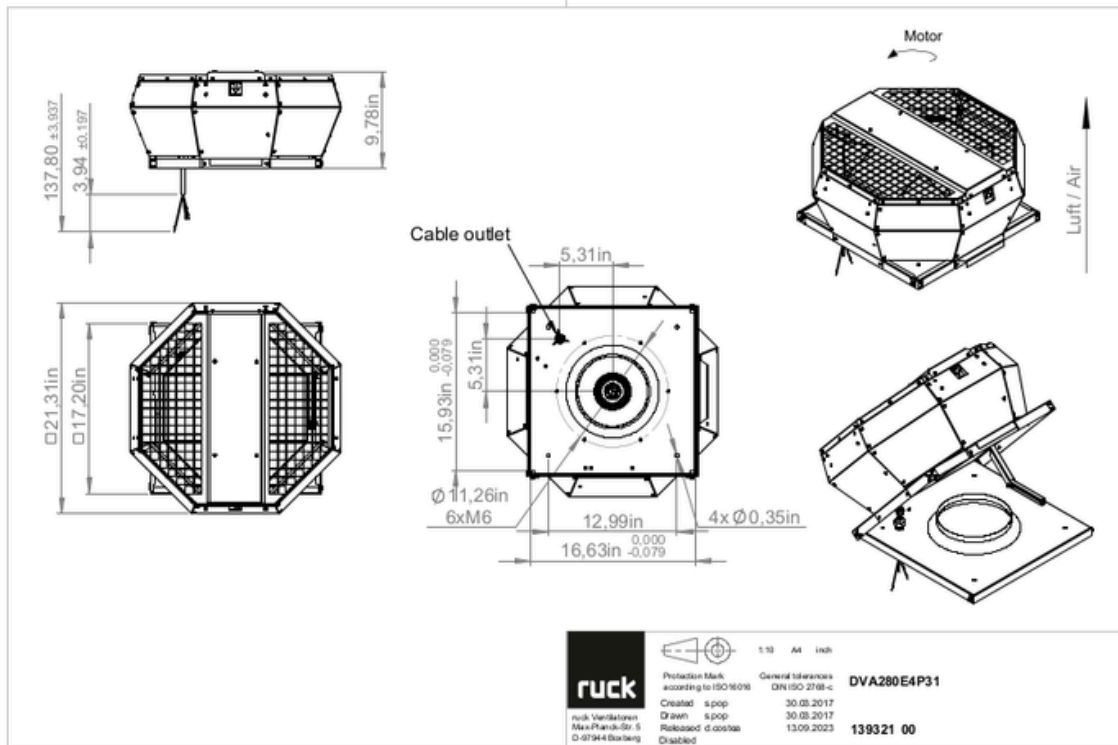
ruck



139321 00



to the product detail page



DVA 280 E4P 31

139321

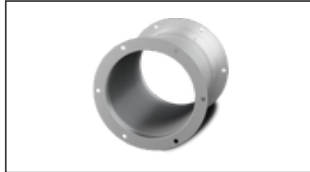
MECHANICAL ACCESSORIES

DVK 250 10 | 152997



- Automatic roof shutter
- Galvanized steel sheet

DAS 250 | 109413



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

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°

ELECTRICAL ACCESSORIES

TES 0145 | 111858



- Step transformer
- 230 V ~, 50/60 Hz

TEE 015 | 115893



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



to the product detail page