

EM 200 E2M 01

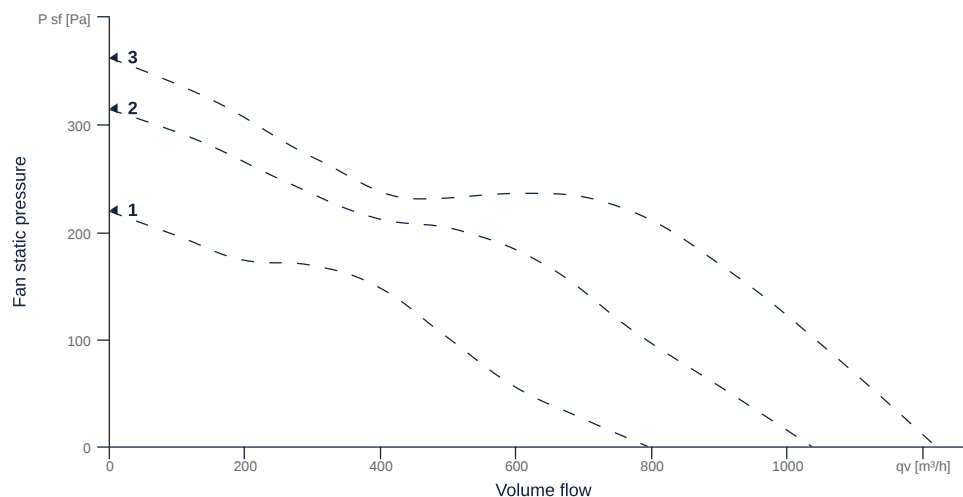
127249

- Innovative, high-efficiency diagonal fan
- Optimally tuned, CFD-optimized aerodynamics
- Housing made of impact-resistant, reinforced polypropylene
- Robust AC motor, 3-steps controllable
- Conveyed medium temperature up to 60 °C in continuous operation
- The benchmark for efficiency since 2012



FAN CURVES

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



to the product detail page

EM 200 E2M 01

127249

ruck

GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		$W \times H_{duct}$
Pipe connection size (DN)	DN200		DN
Rated voltage (entire device)	230	V	U_{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Plastic		matcasing
Impeller material	Plastic		matimpeller
IP-protection class (entire device)	IPX4		IPcompl
IP-Protection class (terminal box)	IP44		IPebox
Weight	3.77	kg	m
Fan type	Diagonal		Fan _{type}
Category / Installation situation	A		cat

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	117	W	$P_{ed, max}$
Max. operating current (device)	0.58	A	$I_{ed, max}$
Max. speed	2850	rpm	n_{max}
Max. stat. efficiency	40.9	%	η_{es}
Max. fan efficiency	45.5	%	η_e
Max. flowrate	1220	CmH	$Q_{v, max}$
Max. stat pressure	360	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	$T_{amb, min}$
Min. voltage	230	V	U_{min}
Stall current	0.96	A	I_{LRA}



EM 200 E2M 01

127249

MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		AC 1~		phase
Installation type		IRM (In)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TAI		protect _{motor}
Protection class		IP00		IP _{motor}
Is pole-changeable		No		pole _{exch}
Type of power supply		AC 1~		pwr _{sup} _{motor}
Capacity capacitor		3.5	µF	C _{cond}
Voltage capacitor		450	v	VU _{cond}
Number of poles (1)		2.000000		num poles _{w1}
Rated voltage	230		v	U _{rated, f1}
Rated current	0.5		A	I _{rated, f1}
Nominal power	50		w	P _a
UL-Certification motor		None		UL _{cert}

ERP DATA (LOT11)

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	2741	rpm	n _{opt}
Efficiency level	40.7	p	N
Efficiency category	statisch		cat _{efficiency}
Input power of the motor at the energy efficiency optimum	0.11	kw	P _{e, opt}
Overall efficiency	61.3	p	η _{ges}
Measurement category	A		meas cat
Fan pressure at energy efficiency optimum	224	Pa	p _{f, opt}
Flowrate at energy efficiency optimum	748	CmH	Q _{v, opt}

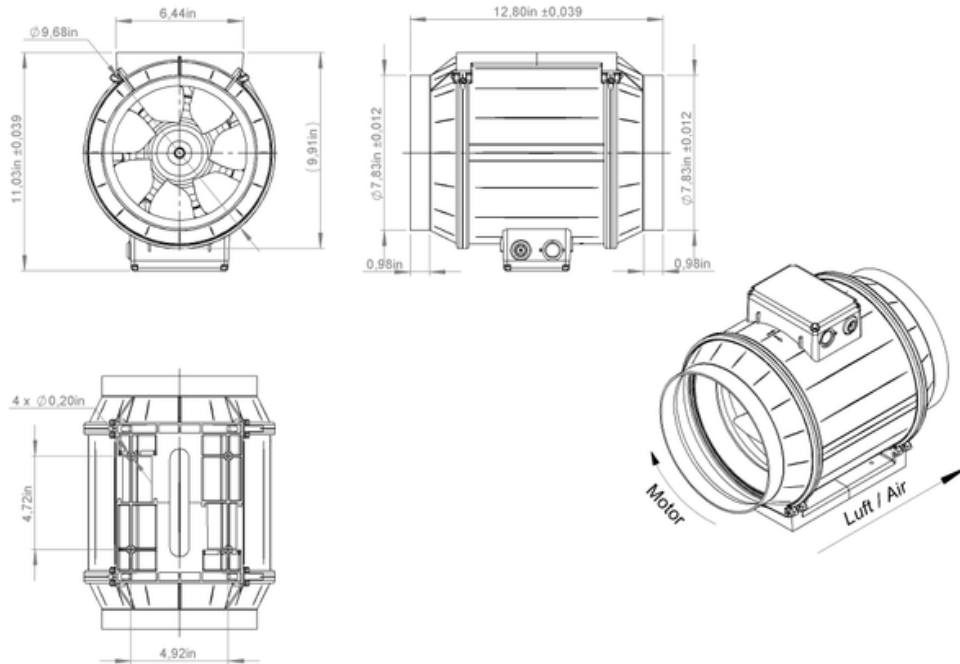
SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		F _{class}



to the product detail page

CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

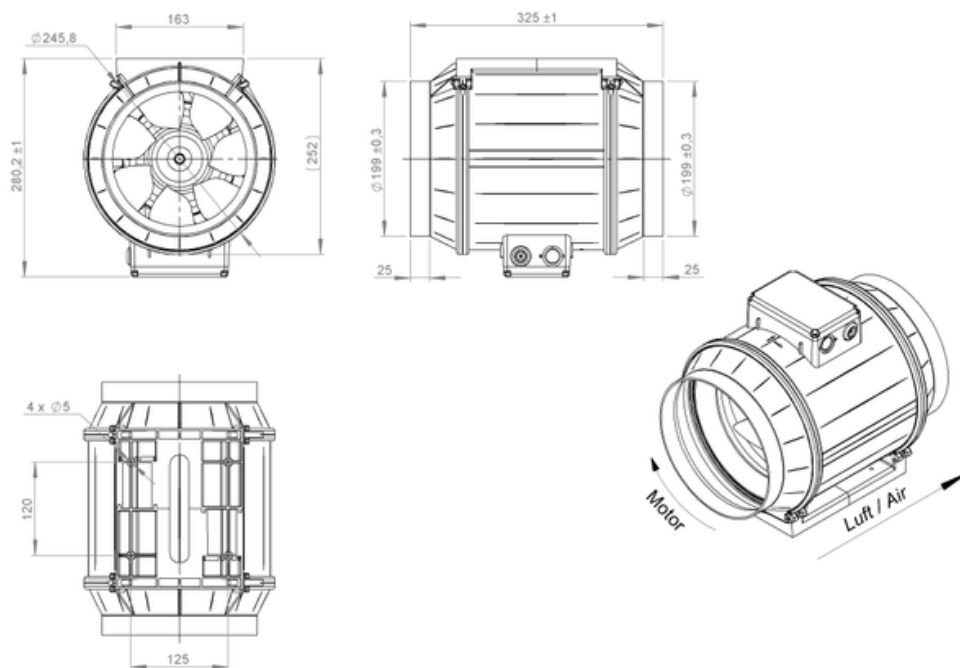


127249 02



EM 200 E2M 01

127249



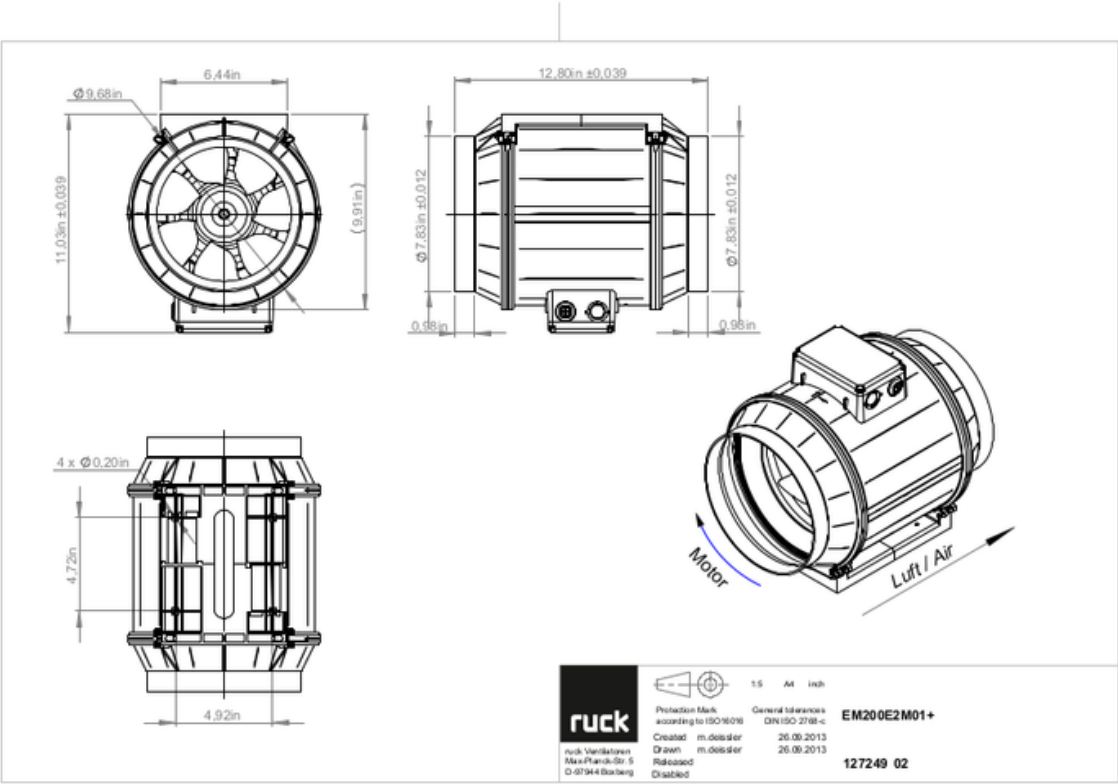
127249 02



to the product detail page

EM 200 E2M 01

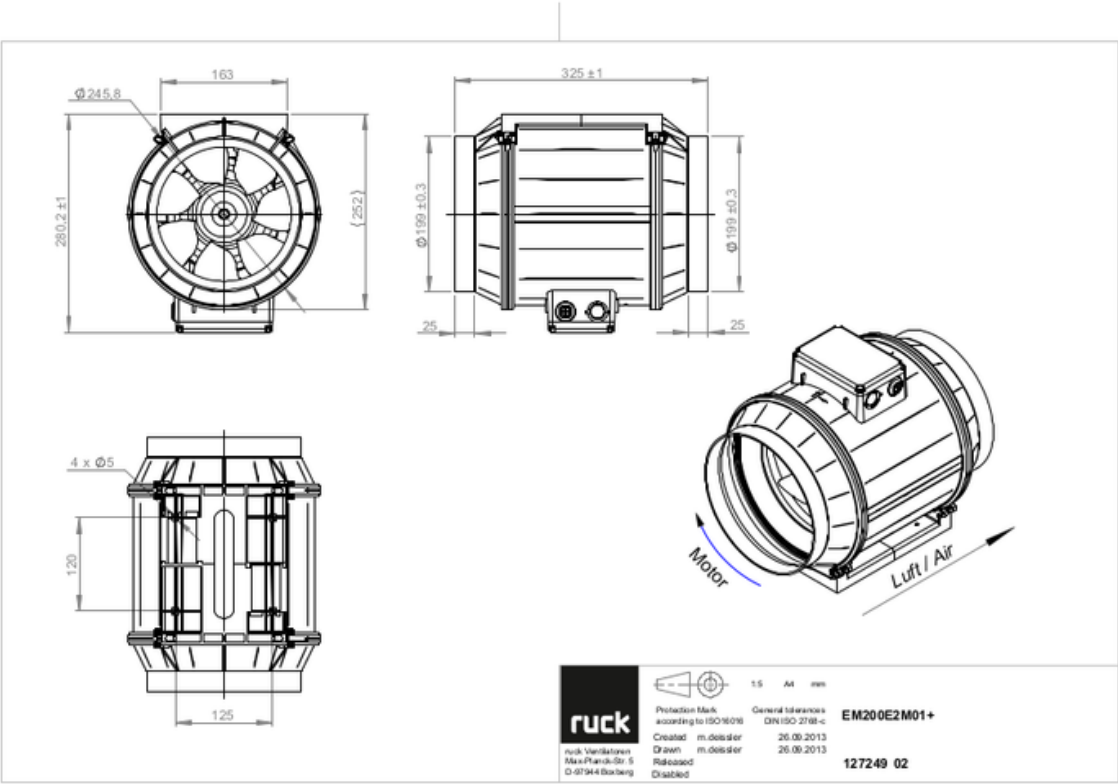
127249



to the product detail page

EM 200 E2M 01

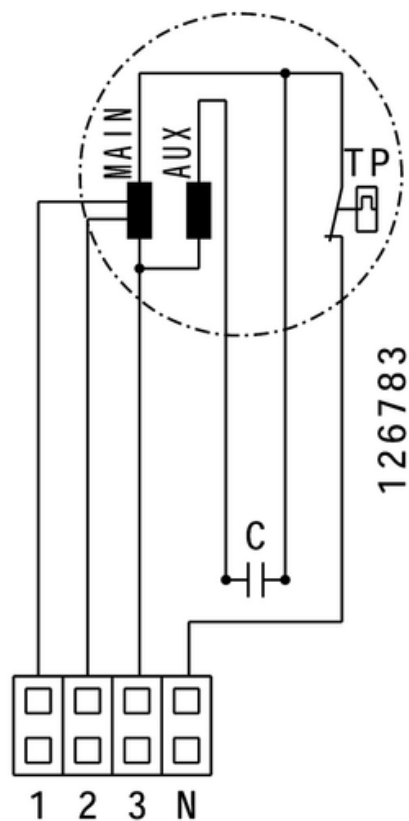
127249



to the product detail page

EM 200 E2M 01

127249



to the product detail page