

EL 280 E2 02

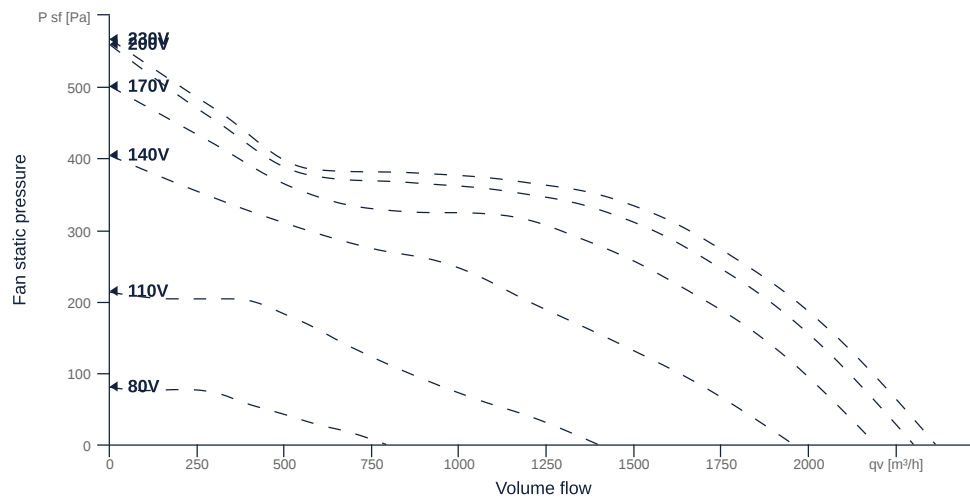
115334

- Innovative, high-efficiency diagonal fan
- Optimally tuned, CFD-optimized aerodynamics
- The benchmark for efficiency since 2007
- Robust single phase AC motor
- Conveyed medium temperature up to 55 °C in continuous operation
- Housing made of galvanized steel sheet



FAN CURVES

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



to the product detail page

GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		WxH _{duct}
Pipe connection size (DN)	DN280		DN
Rated voltage (entire device)	230	v	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Galvanized steel		mat _{casing}
Impeller material	Plastic		mat _{impeller}
IP-protection class (entire device)	IPX4		IP _{compl}
IP-Protection class (terminal box)	IP44		IP _{ebox}
Weight	8.65	kg	m
Fan type	Diagonal		Fan _{type}
Category / Installation situation	A		cat

MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	270	437	w	P _{ed, max}
Max. operating current (device)	1.64	2	A	I _{ed, max}
Max. speed	2905	3370	rpm	n _{max}
Max. stat. efficiency	50.8	46.3	p	η _{es}
Max. fan efficiency	55	50	p	η _e
Max. flowrate	2360	2710	CmH	q _{v, max}
Max. stat pressure	580	770	Pa	p _{sf, max}
Max. medium temperature	55	60	°C	T _{m, max}
Max. environment temperature	55	60	°C	T _{amb, max}
Min. environment temperature	-25	-25	°C	T _{amb, min}
Min. voltage	80	230	v	U _{min}
Stall current	4.5	4.5	A	I _{LRA}



to the product detail page

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
Motor-protection		TMI		protectmotor
Protection class		IP00		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		8	μF	Ccond
Voltage capacitor		450	v	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230		v	Urated, f1
Nominal power	220		w	Pa
Efficiency	71.7		p	ηm, f1
Efficiency class	IE3			IEmotor
Min. temperature	-25		°C	Tmotor, min
UL-Certification motor		None		ULcert

ERP DATA (LOT11)

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	2819	rpm	n _{opt}
Efficiency level	50.8	p	N
Efficiency category	statisch		catefficiency
Input power of the motor at the energy efficiency optimum	0.26	kw	P _{e, opt}
Overall efficiency	67.4	p	η _{ges}
Measurement category	A		meas cat
Fan pressure at energy efficiency optimum	341	Pa	p _{f, opt}
Flowrate at energy efficiency optimum	1457	CmH	q _{v, opt}

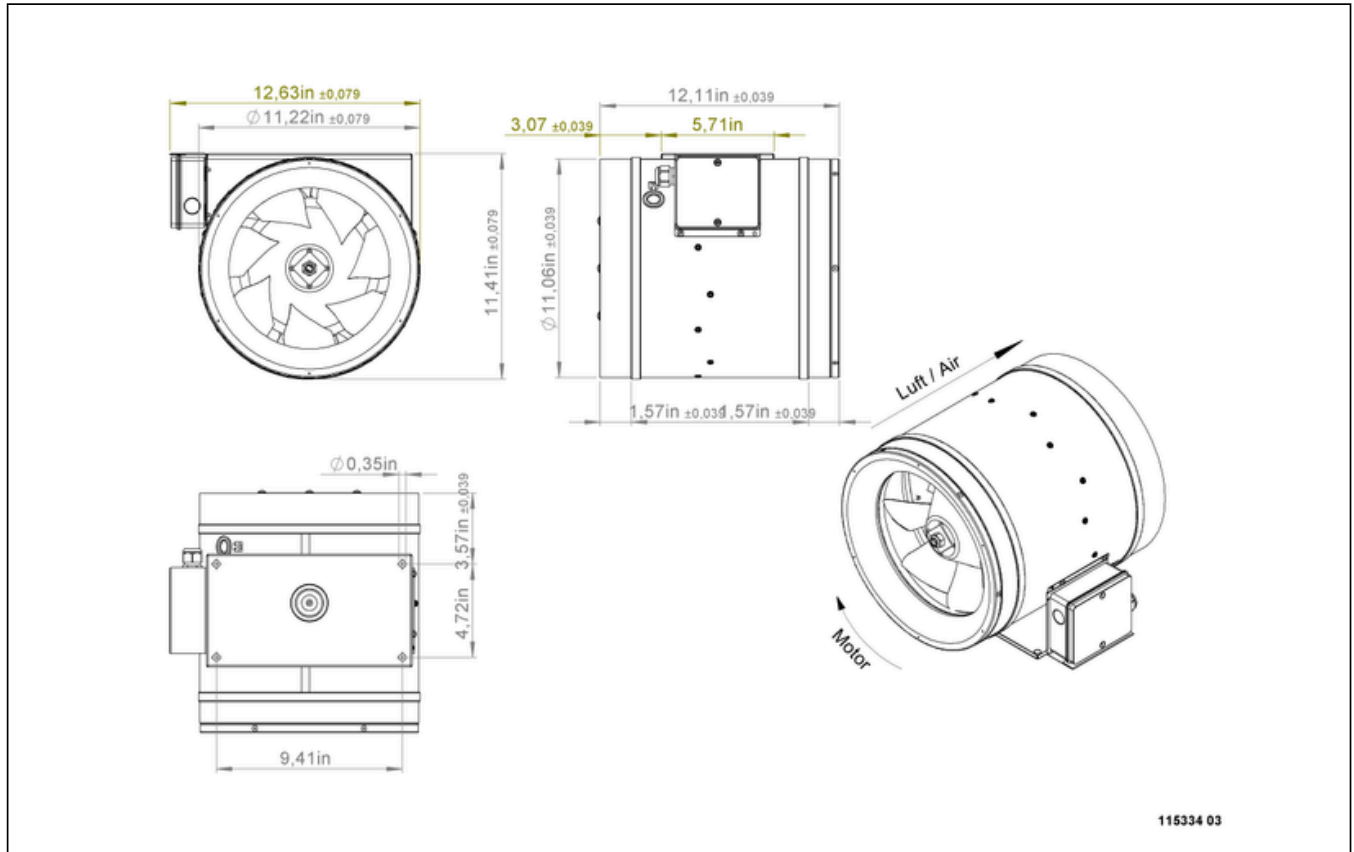
SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass



to the product detail page

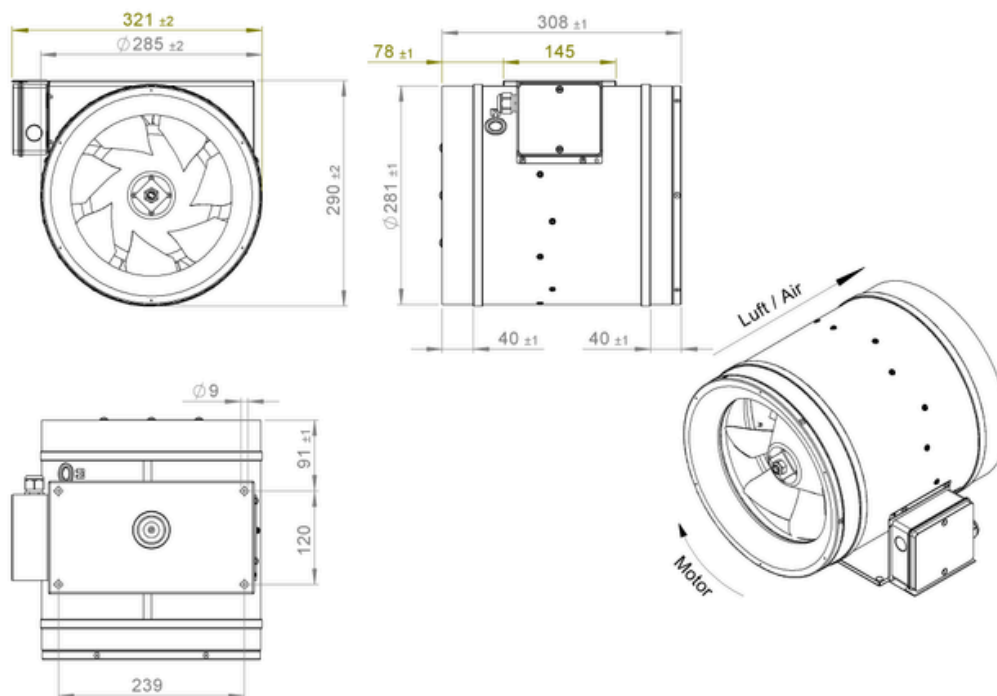
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



EL 280 E2 02

115334

ruck



115334 03

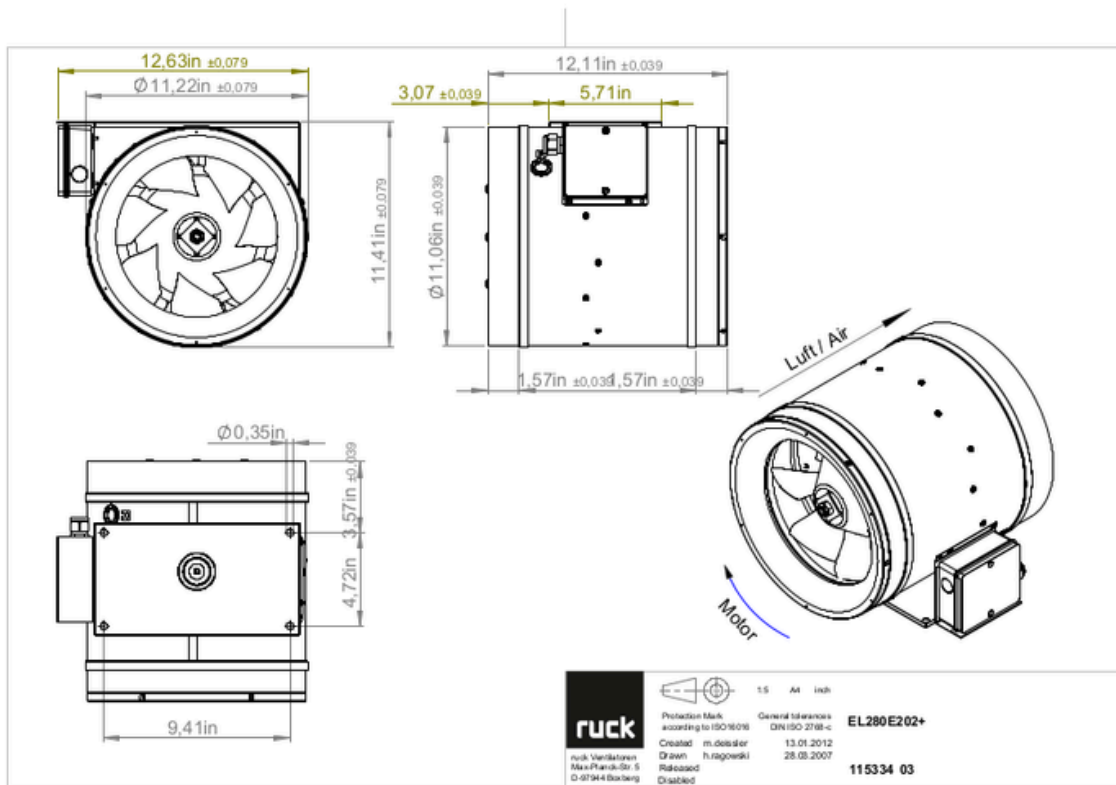


to the product detail page

EL 280 E2 02

115334

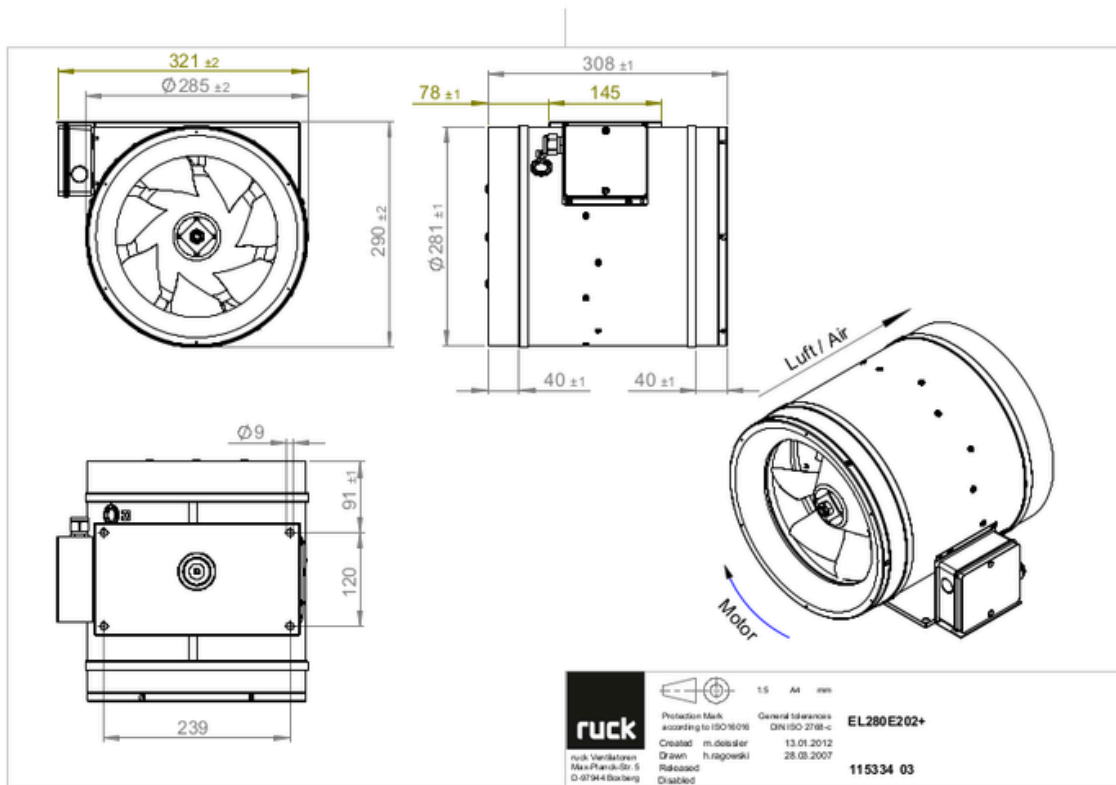
ruck



EL 280 E2 02

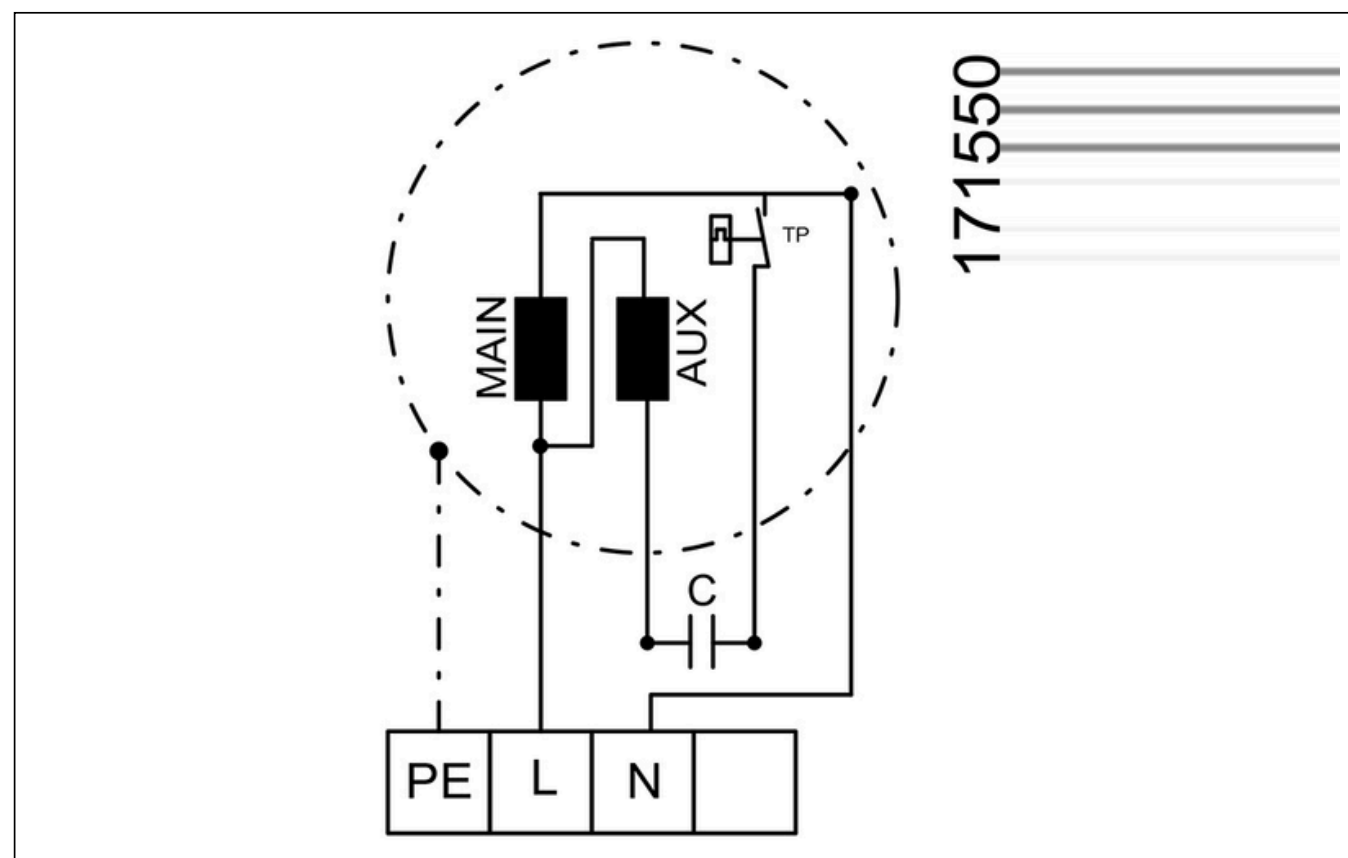
115334

ruck



EL 280 E2 02

115334



to the product detail page