

MPS 315 E2 21

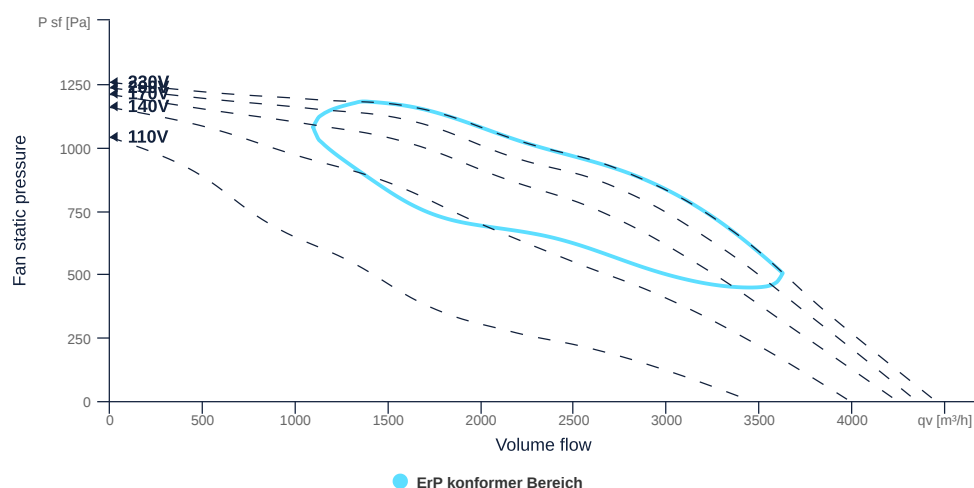
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- Backward curved centrifugal impeller
- Swing out fan unit
- Sheet steel housing double-walled, 40 mm mineral wool
- AC motor outside the airflow, controllable
- Conveyed medium temperature up to 120 °C in continuous operation
- With condensate and grease drain



FAN CURVES

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



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GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	none		
Duct size	-		WxHduct
Pipe connection size (DN)	DN355		DN
Rated voltage (entire device)	230	v	Urated
Phases (entire device)	1~		phase
Electrical protection (entire device)	10 A		fuse
Housing material	Galvanized steel		matcasing
Impeller material	Coated steel		matimpeller
Weight	55	kg	m
Nominal air flow rate, nominal point m³/h	3546	CmH	qv,nom
Nominal external pressure, static	557	Pa	ps,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	0.99	CmS	qv,nom
Actual electrical input power, nominal point	1.2	kw	Pe,nom
Face velocity, nominal point	9.9	mps	Vnom
Nominal external pressure, static	557	Pa	ps,nom
supply air fan static efficiency, nominal point	55.9	p	ηes,SUP
Highest external air leakage rate	0.16	p	
Enclosure sound level, nominal point	76	db	LWA2
Rating	Product is compliant 2018		



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MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	1292	w	P _{ed, max}
Max. operating current (device)	7.58	A	I _{ed, max}
Max. speed	2920	rpm	n _{max}
Max. stat. efficiency	51.5	p	η _{es}
Max. fan efficiency	53.1	p	η _e
Max. flowrate	4450	CmH	q _{v, max}
Max. stat pressure	1260	Pa	p _{sf, max}
Max. medium temperature	120	°C	T _{m, max}
Max. environment temperature	50	°C	T _{amb, max}
Min. environment temperature	-25	°C	T _{amb, min}
Min. voltage	110	v	U _{min}
Stall current	22	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		IRM (In)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISO _{class}
Motor-protection		TAO		protect _{motor}
Protection class		IP54		IP _{motor}
Is pole-changeable		No		pole _{exch}
Type of power supply		AC 1~		pwr _{sup} _{motor}
Capacity capacitor		40	μF	C _{cond}
Voltage capacitor		400	v	VU _{cond}
Number of poles (1)		2.000000		num poles _{w1}
Rated voltage	230		v	U _{rated, f1}
Rated current	6.4		A	I _{rated, f1}
Nominal power	1100		w	P _a
Speed	2720		rpm	n _{f1}
Min. temperature	-25		°C	T _{motor, min}
Cos Phi	0.990000	0.000000		cos φ
UL-Certification motor		None		UL _{cert}



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SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass

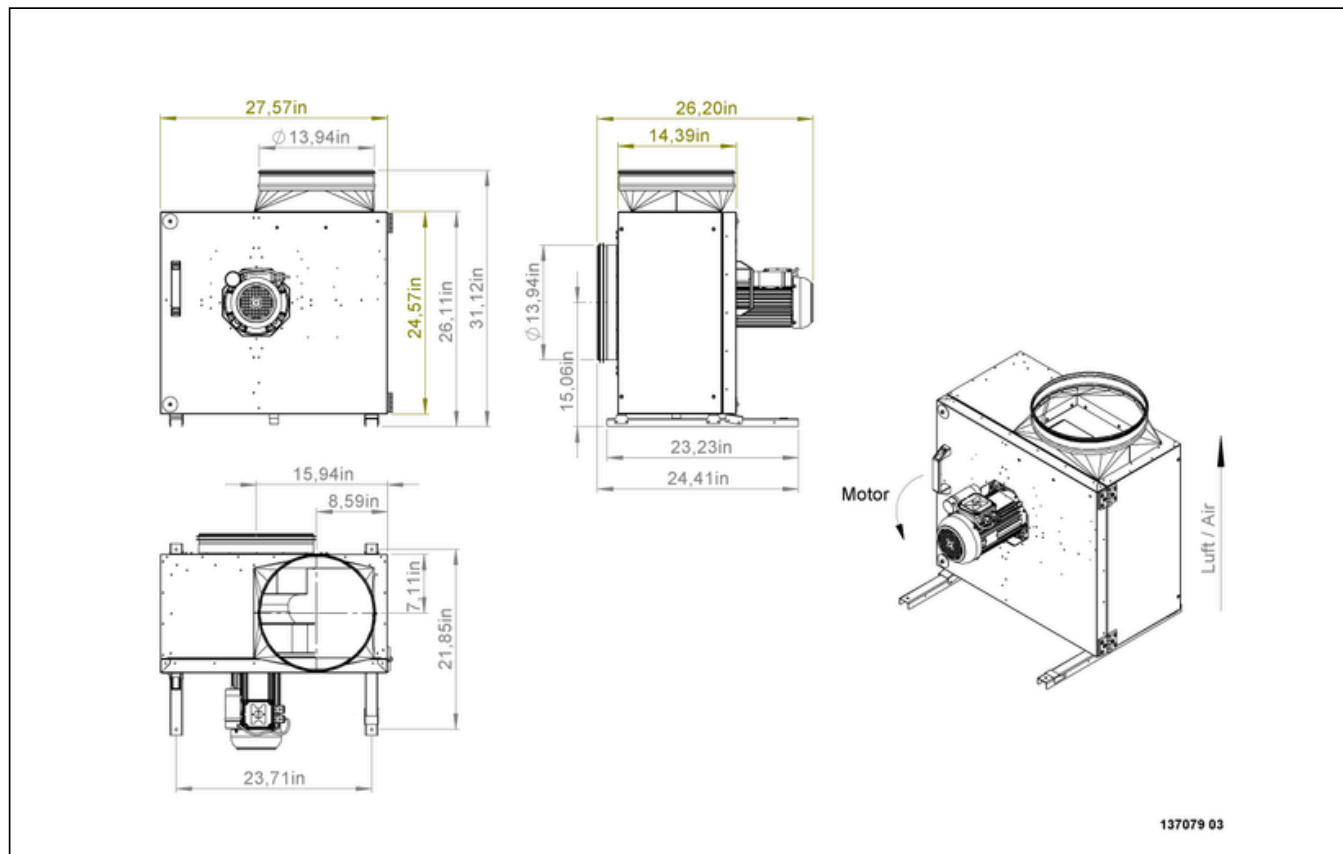


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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

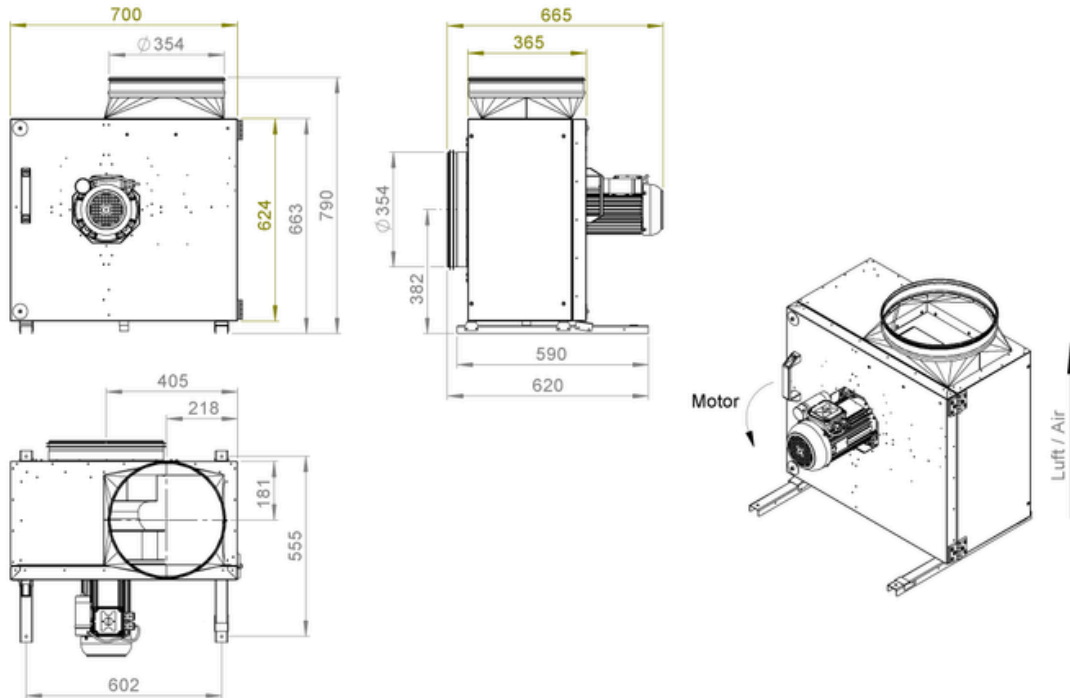


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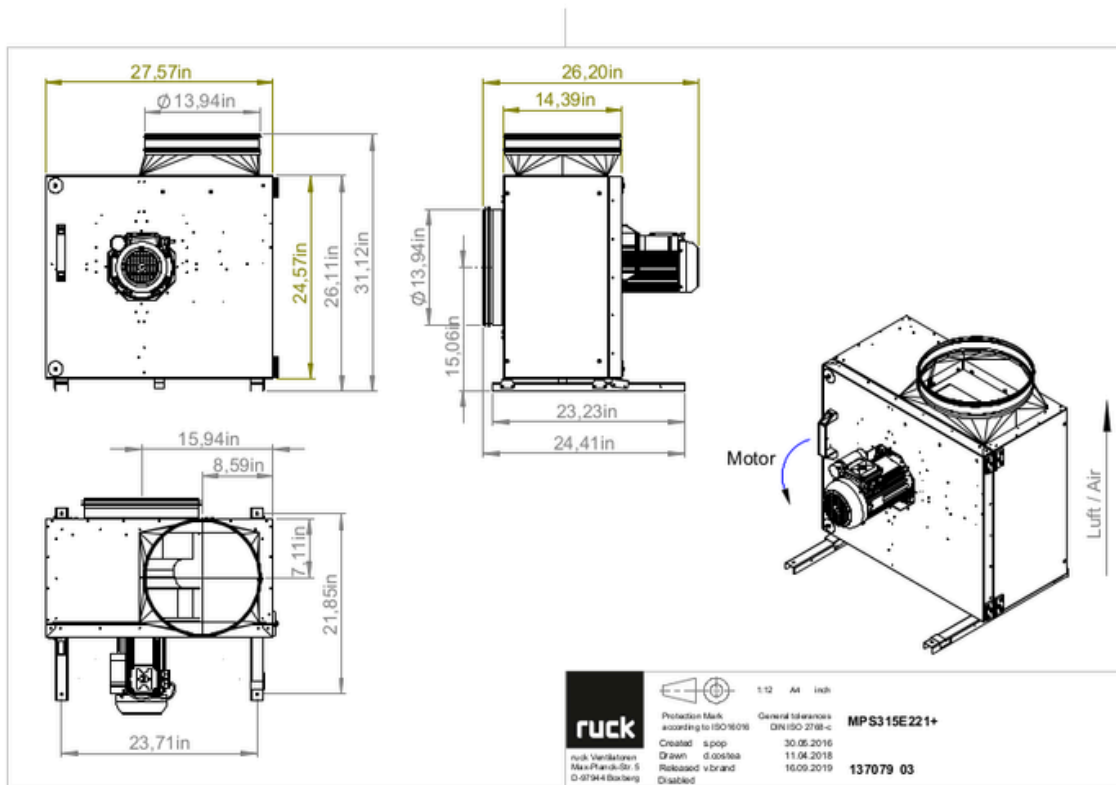


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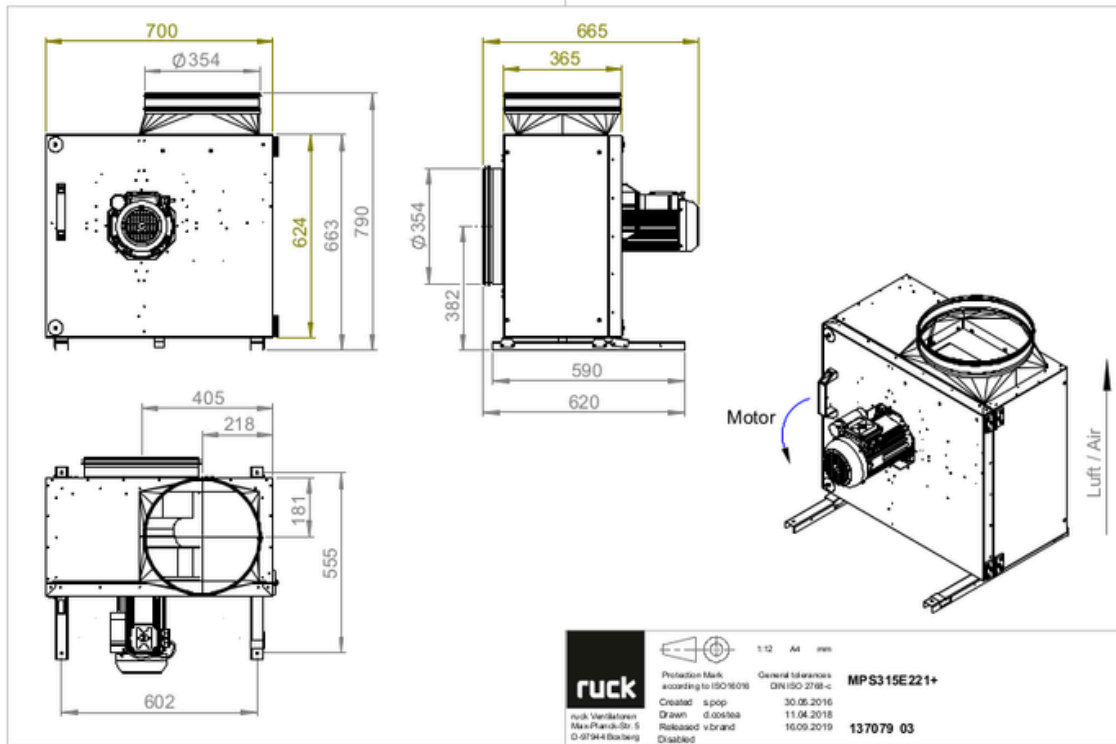
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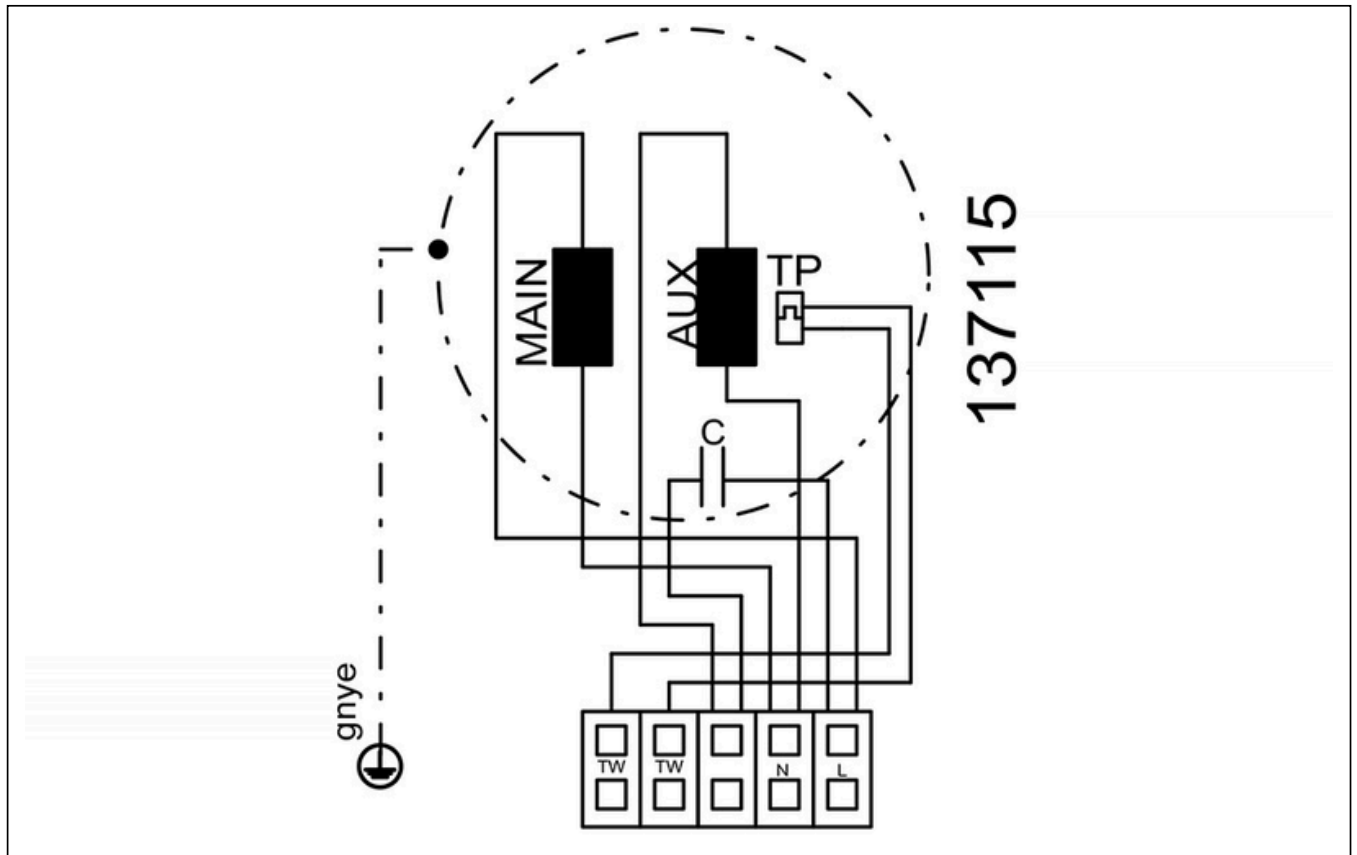
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