

MPS 450 EC 30

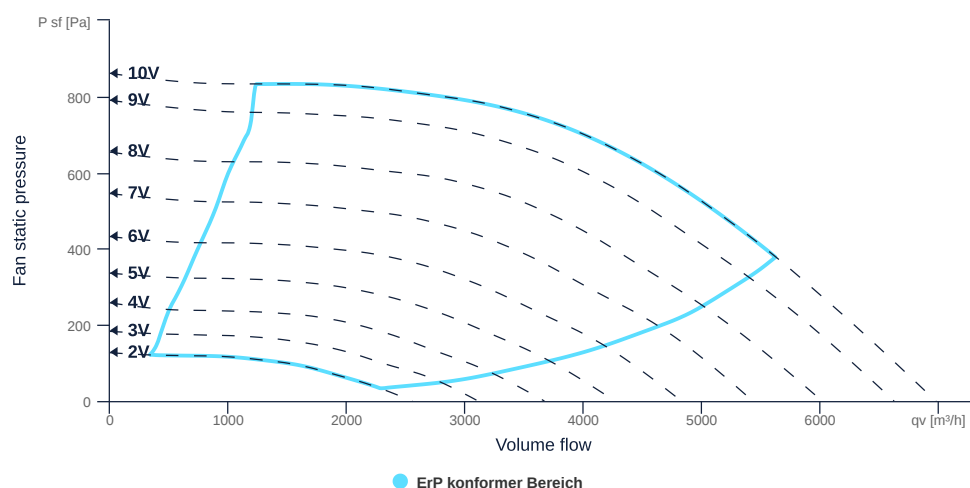
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- Backward curved centrifugal impeller
- Swing out fan unit
- Sheet steel housing double-walled, 40 mm mineral wool
- High efficiency EC motor outside the air flow
- Conveyed medium temperature up to 120 °C in continuous operation
- With condensate 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	CE, UKCA		
Duct size	-		WxH _{duct}
Pipe connection size (DN)	DN355		DN
Rated voltage (entire device)	230	v	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	10 A		fuse
Housing material	Galvanized steel		mat _{casing}
Impeller material	Coated steel		mat _{impeller}
Weight	61.85	kg	m
Nominal air flow rate, nominal point m³/h	3286.8	CmH	q _{v,nom}
Nominal external pressure, static	541.8	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	0.91	CmS	q _{v,nom}
Actual electrical input power, nominal point	0.8	kw	P _{e,nom}
Face velocity, nominal point	2.8	mps	v _{nom}
Nominal external pressure, static	541.8	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	65.7	p	η _{es,SUP}
Highest external air leakage rate	0.05	p	
Enclosure sound level, nominal point	75	db	LWA2
Rating	Product is compliant 2018		

MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	1350	1350	w	P _{ed, max}
Max. operating current (device)	9.7	9.7	A	I _{ed, max}
Max. speed	1640	1640	rpm	n _{max}
Max. stat. efficiency	57.2	57.2	p	η _{es}
Max. fan efficiency	64.3	64.3	p	η _e
Max. flowrate	6975	6975	CmH	q _{v, max}
Max. stat pressure	860	860	Pa	p _{sf, max}
Max. medium temperature	120	120	°C	T _{m, max}
Max. environment temperature	50	50	°C	T _{amb, max}
Min. environment temperature	-20	-20	°C	T _{amb, min}



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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	8		A	Irated, f1
Nominal power	1100		w	Pa
Speed	2100		rpm	nr1
UL-Certification motor		None		ULcert

SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass

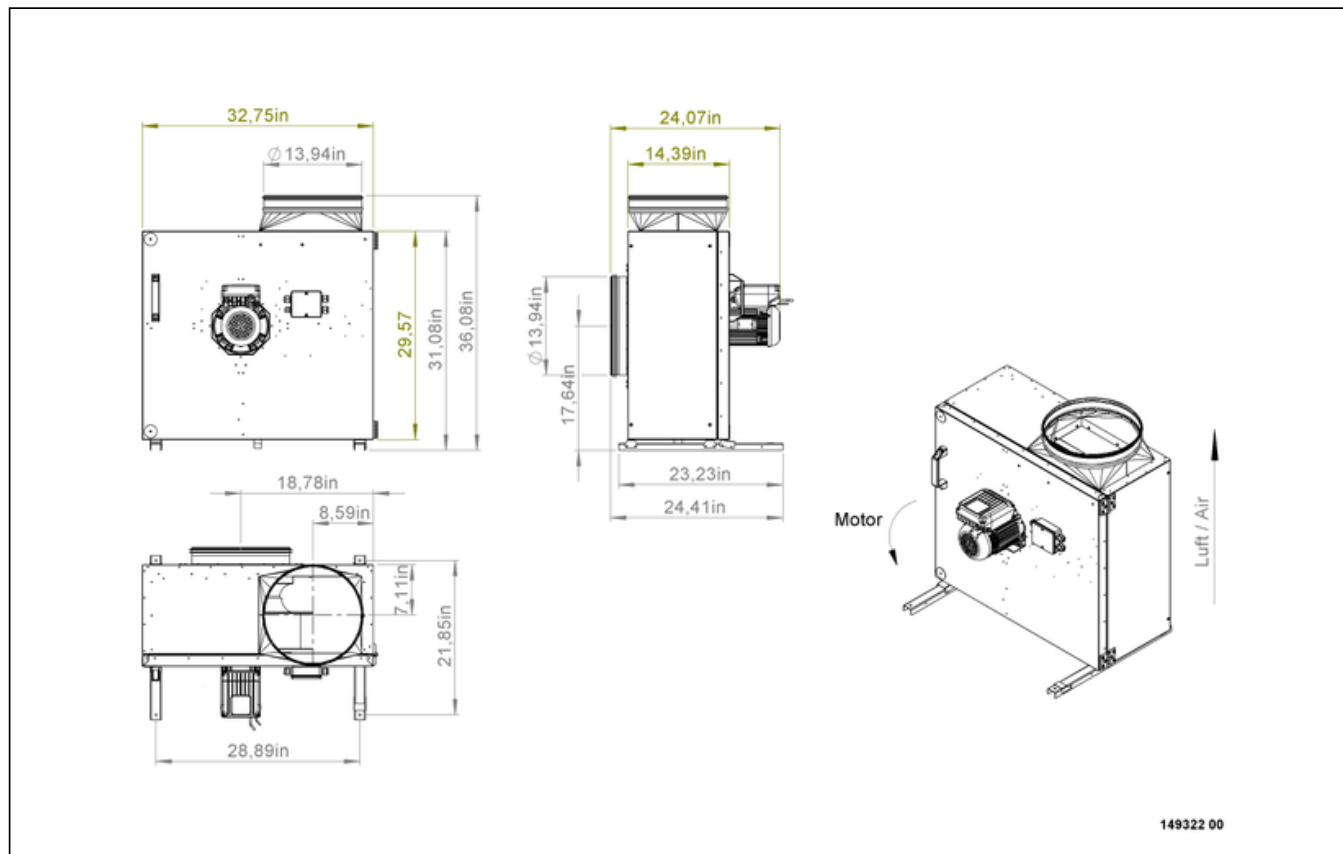


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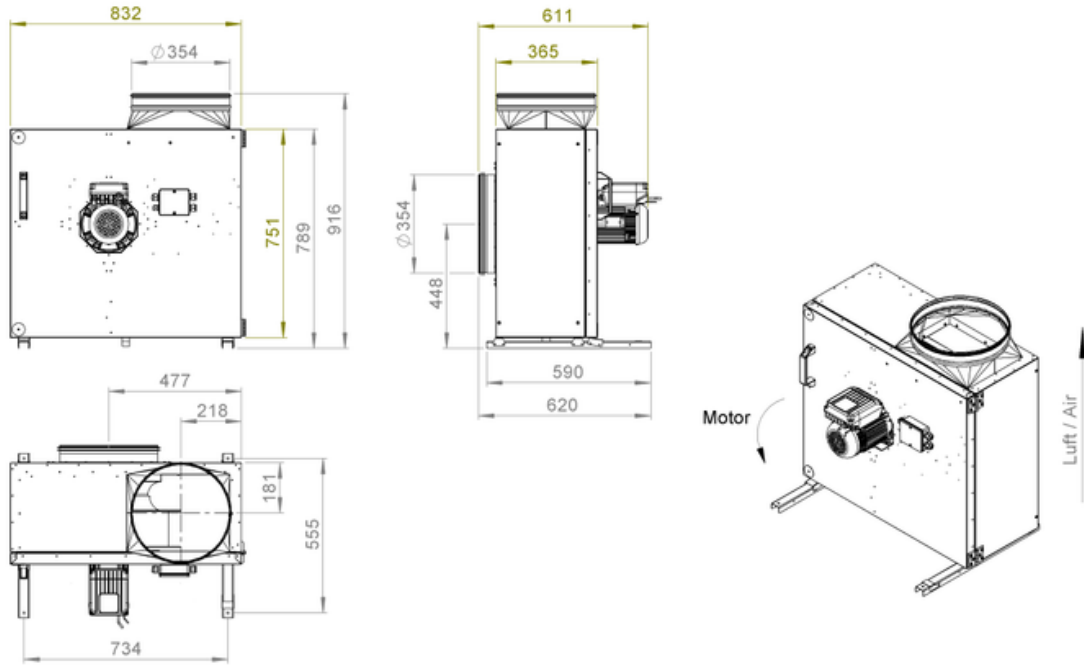
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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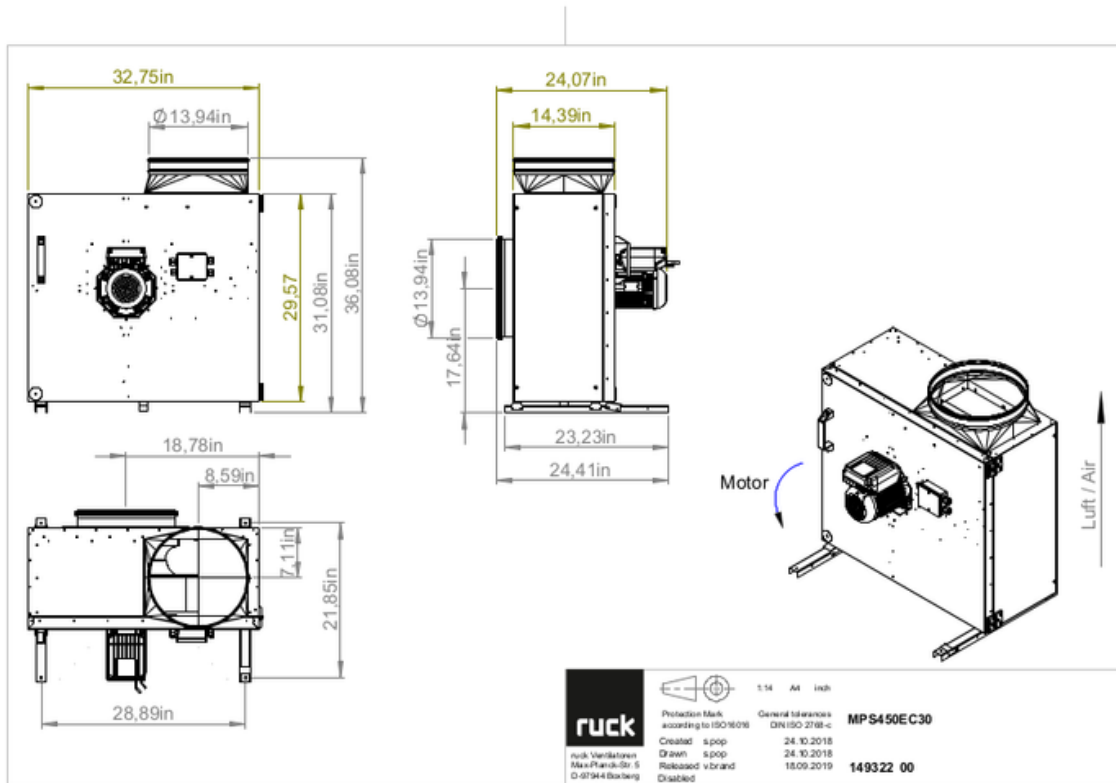
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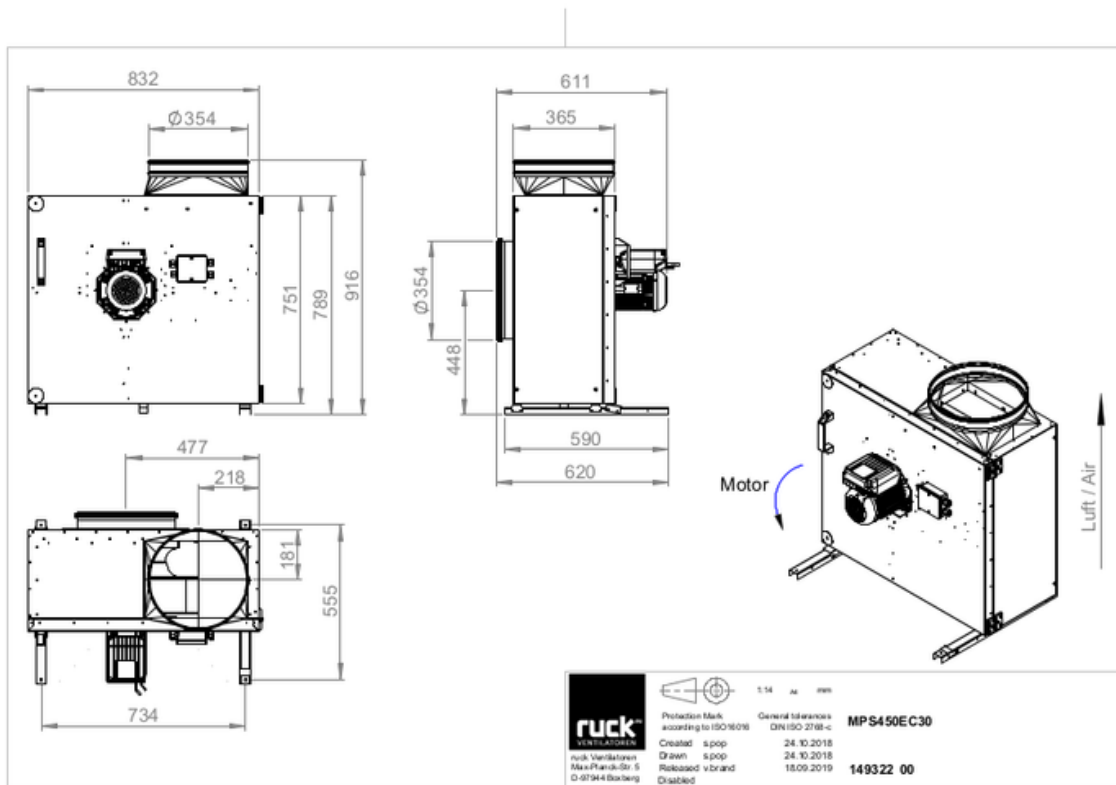
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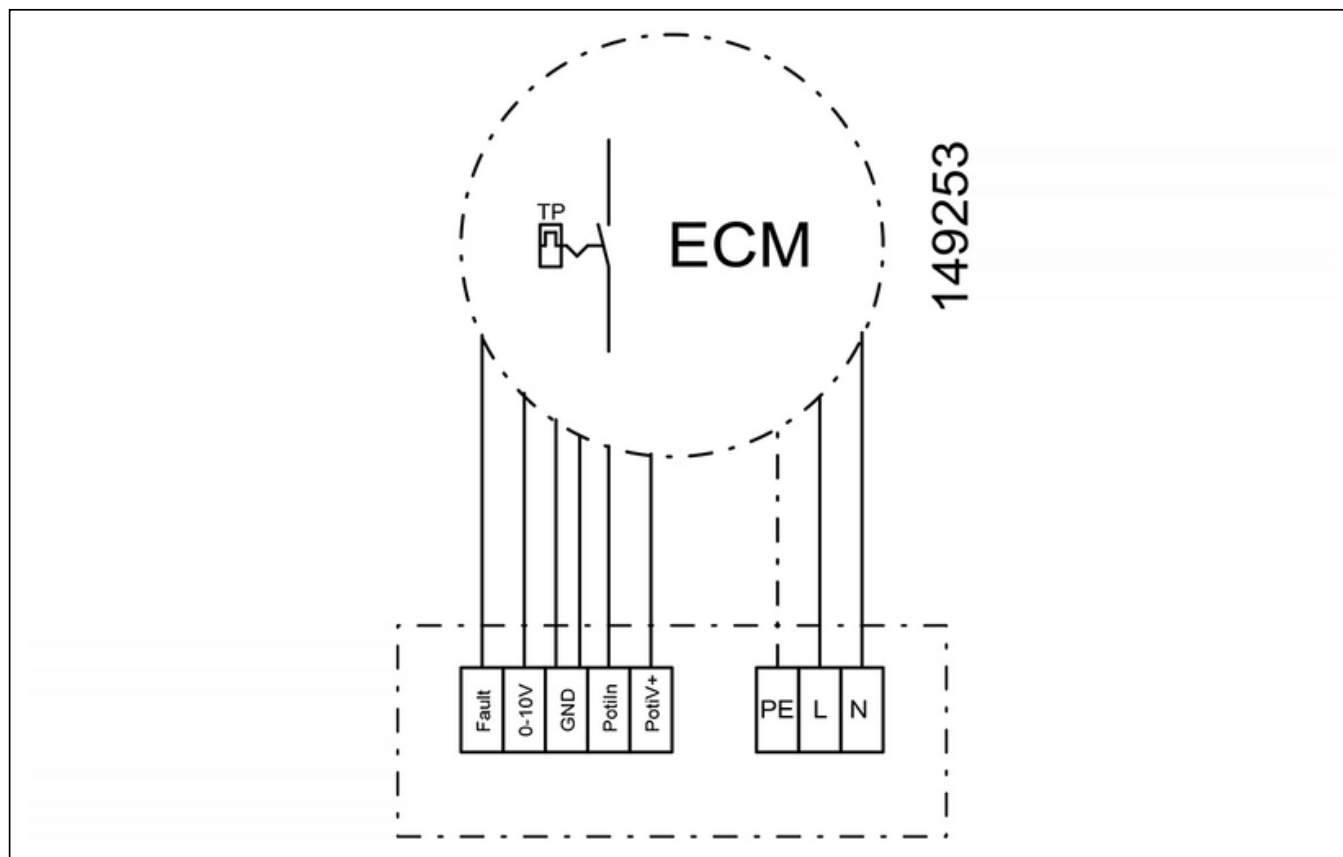
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