

MPS 450 EC 30

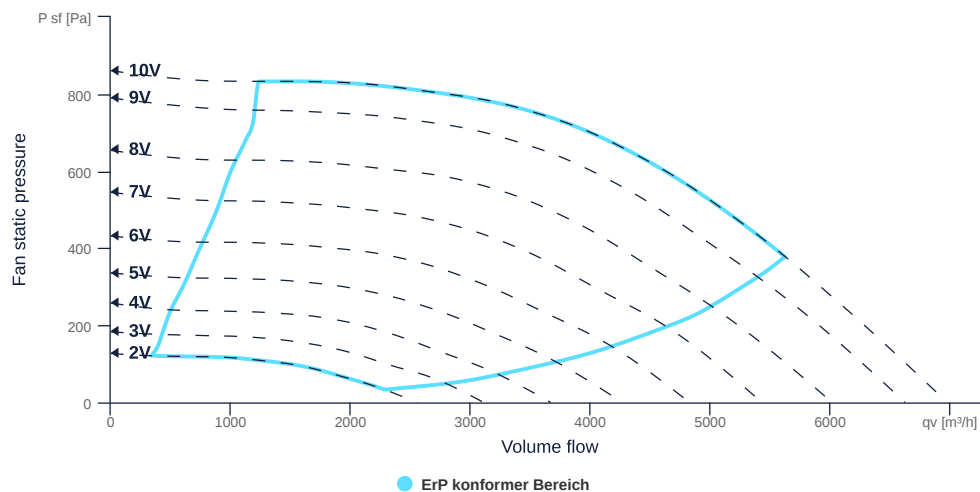
149322

- 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 m ³ /h	3286.8	m ³ /h	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 m ³ /s	0.91	m ³ /s	q _{v,nom}
Actual electrical input power, nominal point	0.8	kW	P _{e,nom}
Face velocity, nominal point	2.8	m/s	v _{nom}
Nominal external pressure, static	541.8	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	65.7	%	η _{es,SUP}
Highest external air leakage rate	0.05	%	
Enclosure sound level, nominal point	75	dB(A)	L _{WA2}
Rating	Product is compliant 2018		



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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	1/min	n_{max}
Max. stat. efficiency	57.2	57.2	%	η_{es}
Max. fan efficiency	64.3	64.3	%	η_e
Max. flowrate	6975	6975	m ³ /h	$Q_{v, max}$
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	$T_{amb, min}$

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		IP _{motor}
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwr _{sup} _{motor}
Rated voltage	230		V	$U_{rated, f1}$
Rated current	8		A	$I_{rated, f1}$
Shaft power	1100		W	$P_{out, f1}$
Speed	2100		1/min	n_{f1}
UL-Certification motor		None		ULcert



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