

MPS 250 EC 30

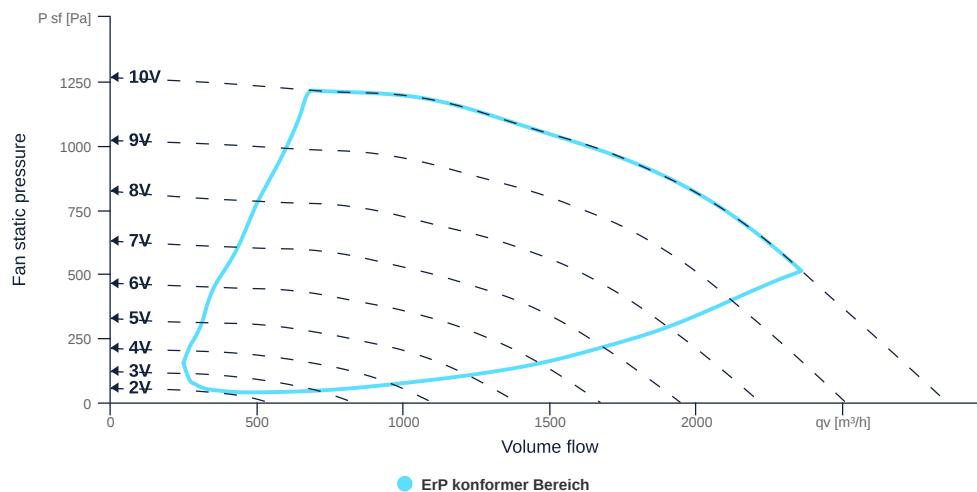
143072

- 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	-		WxHduct
Pipe connection size (DN)	DN250		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	Coated steel		mat _{impeller}
Weight	46.8	kg	m
Nominal air flow rate, nominal point m ³ /h	1796.4	m ³ /h	q _{Vnom}
Nominal external pressure, static	900.7	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	0.5	m ³ /s	q _{V,nom}
Actual electrical input power, nominal point	0.87	kW	P _{e,nom}
Face velocity, nominal point	10.2	m/s	v _{nom}
Nominal external pressure, static	900.7	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	63.2	%	η _{es,SUP}
Highest external air leakage rate	0.19	%	
Enclosure sound level, nominal point	80	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)	894	894	W	P _{ed, max}
Max. operating current (device)	4.15	4.15	A	I _{ed, max}
Max. speed	3650	3650	1/min	n _{max}
Max. stat. efficiency	50.6	50.6	%	η _{es}
Max. fan efficiency	54.4	54.4	%	η _e
Max. flowrate	2850	2850	m ³ /h	q _{v, max}
Max. stat pressure	1260	1260	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	4.4		A	I _{rated, f1}
Shaft power	750		W	P _{out, f1}
Speed	3000		1/min	n _{f1}
UL-Certification motor		UL recognized		ULcert



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