

MPC 560 EC 40

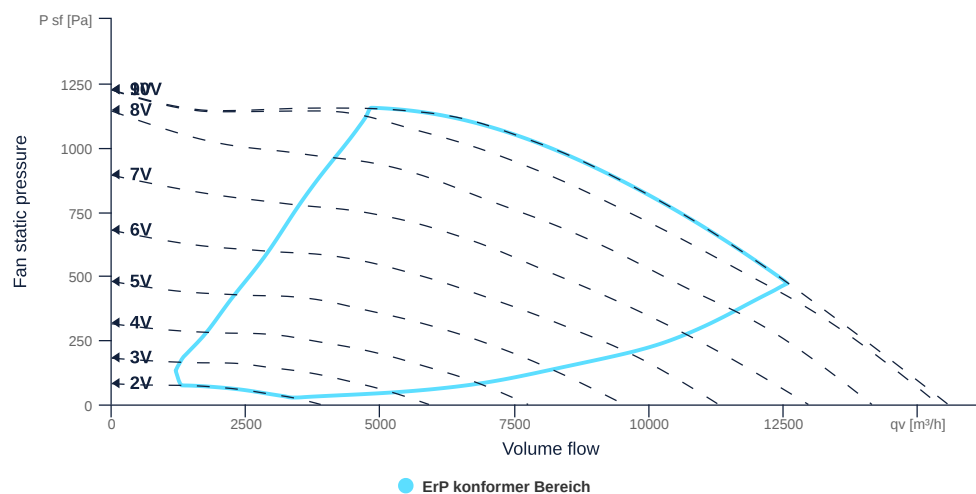
157961

- Centrifugal fan with backward curved impeller
- Variable discharge direction right / left / linear
- Double wall housing made of galvanized steel sheet, insulated
- Highly efficient EC motor, steplessly controllable
- Internal electronic temperature monitoring
- With bottom tray



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)	DN630		DN
Rated voltage (entire device)	400	V	U _{rated}
Phases (entire device)	3~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Galvanized steel		mat _{casing}
Impeller material	Plastic		mat _{impeller}
Weight	101.2	kg	m
Nominal air flow rate, nominal point m ³ /h	7567.2	m ³ /h	q _{Vnom}
Nominal external pressure, static	574.7	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	2.1	m ³ /s	q _{V,nom}
Actual electrical input power, nominal point	1.82	kW	P _{e,nom}
Face velocity, nominal point	3.1	m/s	v _{nom}
Nominal external pressure, static	574.7	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	64.2	%	η _{es,SUP}
Highest external air leakage rate	0.26	%	
Enclosure sound level, nominal point	73	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)	3530	3530	W	$P_{ed, max}$
Max. operating current (device)	5.42	5.42	A	$I_{ed, max}$
Max. speed	1790	1790	1/min	n_{max}
Max. stat. efficiency	60.8	60.8	%	η_{es}
Max. fan efficiency	61.5	61.5	%	η_e
Max. flowrate	15560	15560	m ³ /h	Q_v, max
Max. stat pressure	1225	1225	Pa	$p_{sf, max}$
Max. medium temperature	60	60	°C	T_m, max
Max. environment temperature	60	60	°C	$T_{amb, max}$
Min. environment temperature	-30	-30	°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		ORM (Out)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TEC		protectmotor
Protection class		IP55		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 3~		pwsupmotor
Rated voltage	400		V	$U_{rated, f1}$
Rated current	5.4		A	$I_{rated, f1}$
Shaft power	3500		W	$P_{out, f1}$
Speed	1750		1/min	n_{f1}
Min. temperature	-40		°C	$T_{motor, min}$
UL-Certification motor		UL recognized		ULcert



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