

MPC 280 EC 40

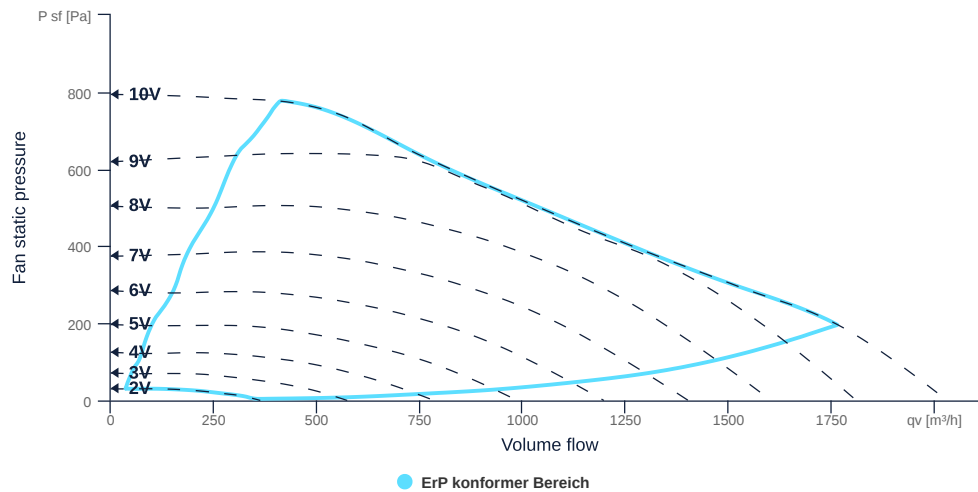
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- Centrifugal fan with backward curved impeller
- Variable discharge direction right / left / linear
- Double wall housing made of galvanized steel sheet, insulated
- Highly efficient EC motor, steplessly controllable
- Internal electronic temperature 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)	DN355		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		matcasing
Impeller material	Galvanized steel		matimpeller
IP-protection class (entire device)	IPX4		IPcompl
IP-Protection class (terminal box)	IP44		IPebox
Weight	29.1	kg	m
Nominal air flow rate, nominal point m ³ /h	1764	m ³ /h	q _{v,nom}
Nominal external pressure, static	196	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	0.49	m ³ /s	q _{v,nom}
Actual electrical input power, nominal point	0.28	kW	P _{e,nom}
Face velocity, nominal point	3.63	m/s	V _{nom}
Nominal external pressure, static	196	Pa	p _{s,nom}
static efficiency of the extract fan, nominal point	34.14	%	η _{es,EHA}
Highest external air leakage rate	0.15	%	
Enclosure sound level, nominal point	61.47	dB(A)	LWA2
Rating	Product is compliant 2018		



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MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	270	270	W	$P_{ed, max}$
Max. operating current (device)	1.91	1.91	A	$I_{ed, max}$
Max. speed	2900	2900	1/min	n_{max}
Max. stat. efficiency	51.2	51.2	%	η_{es}
Max. fan efficiency	51.4	51.4	%	η_e
Max. flowrate	2030	2030	m ³ /h	q_v, max
Max. stat pressure	790	790	Pa	$p_{sf, max}$
Max. medium temperature	55	55	°C	T_m, max
Max. environment temperature	55	55	°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		IP30		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Rated voltage	230	230	V	$U_{rated, f1}$
Rated current	1.74	1.74	A	$I_{rated, f1}$
Shaft power	272	272	W	$P_{out, f1}$
Speed	2547	2547	1/min	n_{f1}
Efficiency	52		%	$\eta_m, f1$
Min. temperature		-30	°C	$T_{motor, min}$
Cos Phi	0.000000	0.680000		$\cos \varphi$
UL-Certification motor		None		ULcert



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