

# MPC 355 EC 40

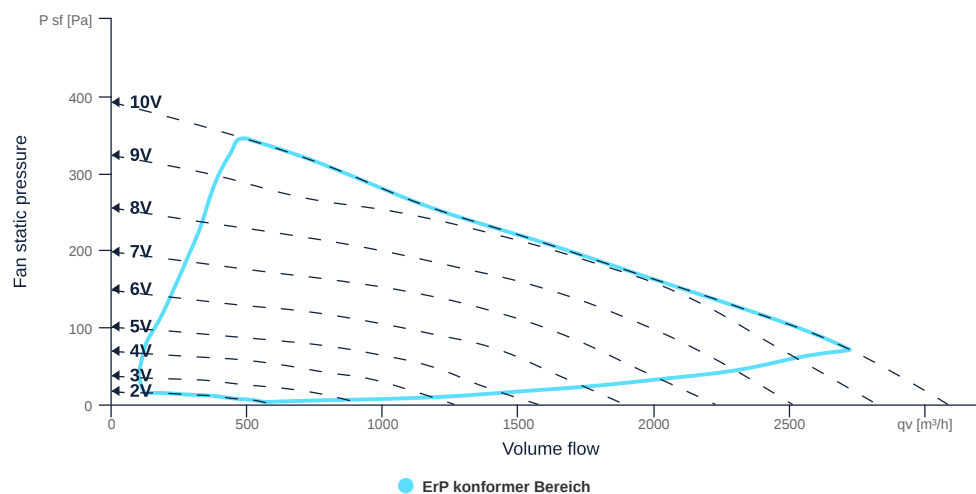
159802

- 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)	DN500		DN
Rated voltage (entire device)	230	V	U <sub>rated</sub>
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Galvanized steel		mat <sub>casing</sub>
Impeller material	Plastic		mat <sub>impeller</sub>
IP-protection class (entire device)	IPX4		IP <sub>compl</sub>
Weight	49.4	kg	m
Nominal air flow rate, nominal point m <sup>3</sup> /h	2721.6	m <sup>3</sup> /h	q <sub>v,nom</sub>
Nominal external pressure, static	71	Pa	p <sub>s,nom</sub>
Fan type	Radial		Fan <sub>type</sub>
Category / Installation situation	A		cat

## ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m <sup>3</sup> /s	0.76	m <sup>3</sup> /s	q <sub>v,nom</sub>
Actual electrical input power, nominal point	0.17	kW	P <sub>e,nom</sub>
Face velocity, nominal point	2.35	m/s	v <sub>nom</sub>
Nominal external pressure, static	71	Pa	p <sub>s,nom</sub>
static efficiency of the extract fan, nominal point	31.29	%	η <sub>es,EHA</sub>
Highest external air leakage rate	0.2	%	
Enclosure sound level, nominal point	50.56	dB(A)	L <sub>WA2</sub>
Rating	Product is compliant 2018		



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## MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	164	164	W	$P_{ed, max}$
Max. operating current (device)	1.4	1.4	A	$I_{ed, max}$
Max. speed	1485	1485	1/min	$n_{max}$
Max. stat. efficiency	53.9	53.9	%	$\eta_{es}$
Max. fan efficiency	54.2	54.2	%	$\eta_e$
Max. flowrate	3080	3080	m <sup>3</sup> /h	$q_{v, max}$
Max. stat pressure	390	390	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	-25	-25	°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 B		ISOclass
Motor-protection		TEC		protectmotor
Protection class		IP54		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwsupmotor
Rated voltage	230		V	$U_{rated, f1}$
Rated current	1.4		A	$I_{rated, f1}$
Shaft power	168		W	$P_{out, f1}$
Speed	1250		1/min	$n_{f1}$
Efficiency	65.5		%	$\eta_m, f1$
Min. temperature	-25		°C	$T_{motor, min}$
UL-Certification motor		UL recognized		ULcert



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