

# MPS 355 EC 30

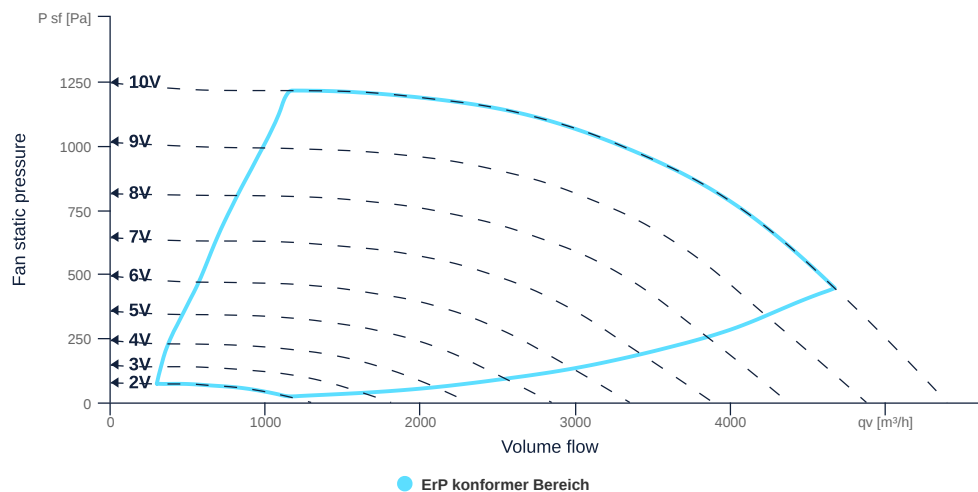
149316

- 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 <sub>duct</sub>
Pipe connection size (DN)	DN355		DN
Rated voltage (entire device)	230	V	U <sub>rated</sub>
Phases (entire device)	1~		phase
Electrical protection (entire device)	16 A		fuse
Housing material	Galvanized steel		mat <sub>casing</sub>
Impeller material	Coated steel		mat <sub>impeller</sub>
Weight	38.5	kg	m
Nominal air flow rate, nominal point m <sup>3</sup> /h	3099.6	m <sup>3</sup> /h	q <sub>v,nom</sub>
Nominal external pressure, static	917.7	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	0.86	m <sup>3</sup> /s	q <sub>v,nom</sub>
Actual electrical input power, nominal point	1.28	kW	P <sub>e,nom</sub>
Face velocity, nominal point	8.7	m/s	v <sub>nom</sub>
Nominal external pressure, static	917.7	Pa	p <sub>s,nom</sub>
supply air fan static efficiency, nominal point	62.3	%	η <sub>es,SUP</sub>
Highest external air leakage rate	0.05	%	
Enclosure sound level, nominal point	76	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)	1511	1511	W	P <sub>ed, max</sub>
Max. operating current (device)	10.74	10.74	A	I <sub>ed, max</sub>
Max. speed	2550	2550	1/min	n <sub>max</sub>
Max. stat. efficiency	57.8	57.8	%	η <sub>es</sub>
Max. fan efficiency	60.8	60.8	%	η <sub>e</sub>
Max. flowrate	5400	5400	m <sup>3</sup> /h	q <sub>v, max</sub>
Max. stat pressure	1240	1240	Pa	p <sub>sf, max</sub>
Max. medium temperature	120	120	°C	T <sub>m, max</sub>
Max. environment temperature	50	50	°C	T <sub>amb, max</sub>
Min. environment temperature	-20	-20	°C	T <sub>amb, min</sub>

## 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
Motor-protection		TEC		protectmotor
Protection class		IP54		IP <sub>motor</sub>
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwr <sub>sup</sub> motor
Rated voltage	230		V	U <sub>rated, f1</sub>
Rated current	9.5		A	I <sub>rated, f1</sub>
Shaft power	1200		W	P <sub>out, f1</sub>
Speed	3100		1/min	n <sub>f1</sub>
UL-Certification motor		None		ULcert



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