

# MPS 280 EC 30

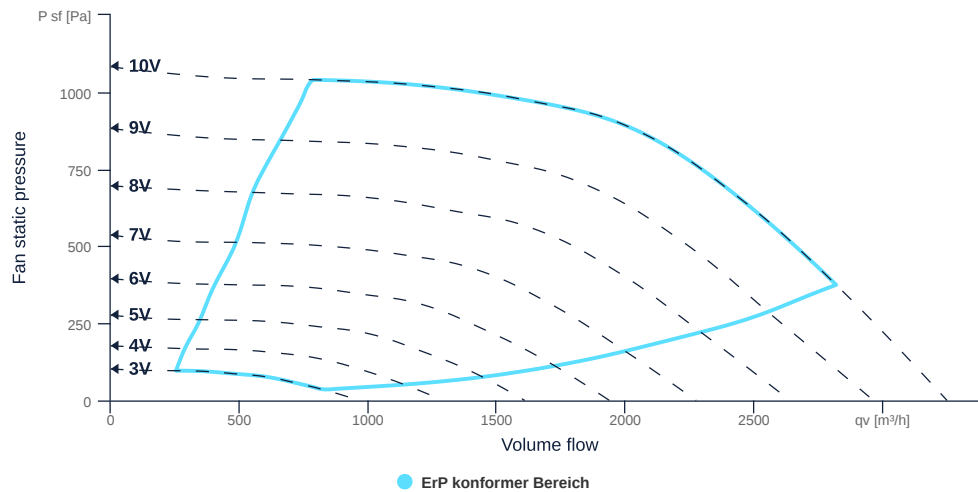
143073

- 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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**ruck**

## GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		WxH <sub>duct</sub>
Pipe connection size (DN)	DN315		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	Coated steel		mat <sub>impeller</sub>
Weight	36	kg	m
Nominal air flow rate, nominal point m <sup>3</sup> /h	2091.6	m <sup>3</sup> /h	q <sub>v,nom</sub>
Nominal external pressure, static	855.5	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	0.58	m <sup>3</sup> /s	q <sub>v,nom</sub>
Actual electrical input power, nominal point	0.88	kW	P <sub>e,nom</sub>
Face velocity, nominal point	7.5	m/s	v <sub>nom</sub>
Nominal external pressure, static	855.5	Pa	p <sub>s,nom</sub>
supply air fan static efficiency, nominal point	58.3	%	η <sub>es,SUP</sub>
Highest external air leakage rate	0.01	%	
Enclosure sound level, nominal point	75	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)	885	885	W	$P_{ed, max}$
Max. operating current (device)	4.1	4.1	A	$I_{ed, max}$
Max. speed	3000	3000	1/min	$n_{max}$
Max. stat. efficiency	54.9	54.9	%	$\eta_{es}$
Max. fan efficiency	55.6	55.6	%	$\eta_e$
Max. flowrate	3250	3250	m <sup>3</sup> /h	$q_{v, max}$
Max. stat pressure	1080	1080	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 <sub>motor</sub>
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwr <sub>sup</sub> 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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