

EL 450 EC K 01

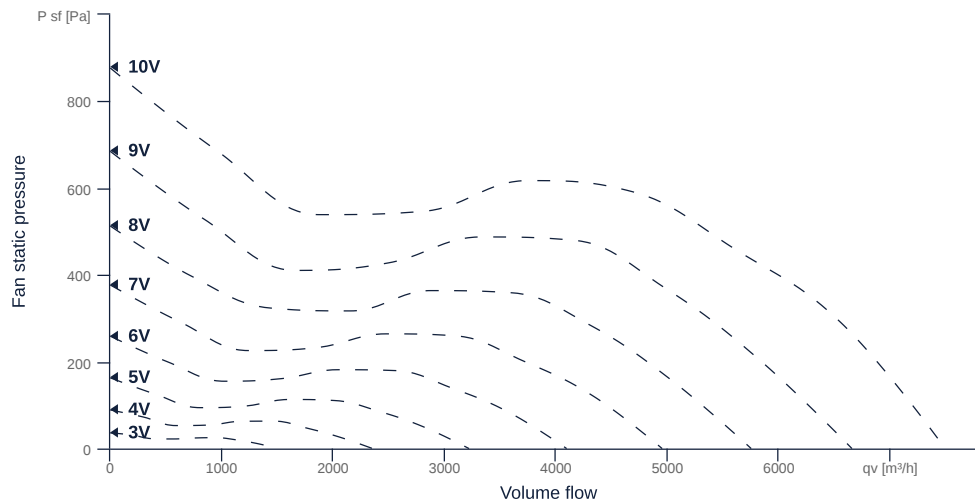
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- Innovative, high-efficiency diagonal fan
- Optimally tuned, CFD-optimized aerodynamics
- The benchmark for efficiency since 2007
- High efficiency EC motor, steplessly controllable
- Conveyor temperature up to 60 °C in continuous operation
- Aluminum AlMg3 housing



MAP

Name	Value	Unit
Volume flow	0	m³/h
Pressure	0	Pa



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ruck

GENERAL DATA

Name	Value	Unit	Formula symbol
ERP conformity	Yes		
Duct size	-		WxHduct
Pipe connection size (DN)	DN450		DN
Rated voltage (entire device)	230	V	Urated
Phases (entire device)	1~		phase
Electrical protection (entire device)	10 A		fuse
Housing material	Aluminium		matcasing
Impeller material	Aluminium		matimpeller
Weight	18.2	kg	m
Fan type	Diagonal		Fan _{type}
Category / Installation situation	B		cat

ERP DATA (LOT11)

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	2061	1/min	n _{opt}
Efficiency level	74.6	%	N
Efficiency category	total		cat _{efficiency}
Input power of the motor at the energy efficiency optimum	1.11	kW	P _{e, opt}
Overall efficiency	84.7	%	η _{ges}
Measurement category	B		meas cat
Fan pressure at optimum energy efficiency point	566	Pa	p _{f, opt}
Flowrate at energy efficiency optimum	4899	m ³ /h	q _{v, opt}

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