

Technical data of the fan: PFP B3-0500 5.8kW 400V-3F M6K6

Description	Value / Dimension
Installation acc. DIN 24163 Part 1	A
Reference density (ρ_{ref})	1.20 kg/m ³
Medium temperature (t)	20 °C
Fan weight	48 kg
Feed data	
Main's frequency (f_n)	50/60 Hz
Voltage (U_n)	3~ 400 V
Phases-Voltage-Frequency	3~400-50 V-Hz
Power (P_n)	0 kW
operational limits	
Max. fan speed (n_{vmax})	2500 min ⁻¹
Max. absorbed power of the system (P_{max})	5.80 kW
Max. current: Inverter or resp. control unit in (I_{max})	8.8 A
Temperature range for conveying medium ($t_{min}...t_{max}$)	-20...40 °C
ErP-Data at best efficiency and density - kg/m³	
measurement- / efficiency category	A / static
design status of VSD	VSD is integrated
overall efficiency ($\eta_{A_{tot}}$)	67.0 %
achieved efficiency grade (N_{ist})	69.8
required efficiency grade in 2013 / 2015 (N)	58 / 62
Air flow rate (V_{opt})	9382 m ³ /h
pressure rise (dP_{opt})	1330 Pa
Fan speed (n_{vopt})	2208 min ⁻¹
motor power input (P_{1opt})	5.17 kW
specific ratio (d_{opt})	1.013