

Technical data of the fan: PFP C3-0500 4.8kW 400V-3F M6L2

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	43 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})	2100 min ⁻¹
Max. absorbed power of the system (P_{max})	4.80 kW
Max. current: Inverter or resp. control unit in (I_{max})	7.5 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 (η_{tot})	64.8 %
achieved efficiency grade (N_{ist})	68.2
required efficiency grade in 2013 / 2015 (N)	58 / 62
Air flow rate (V_{opt})	8845 m ³ /h
pressure rise (dp_{opt})	1196 Pa
Fan speed (n_{vopt})	2037 min ⁻¹
motor power input (P_{1opt})	4.53 kW
specific ratio (d_{opt})	1.012