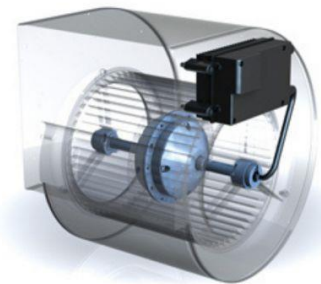


## Specification of: DDMP 7/7 M6A0 DA5 230V-1F

### High performance centrifugal fan DDMP

Double width, double inlet (DWDI), direct drive, forward curved blades fan. Lap-jointed scroll made of galvanized steel (EN 10142), assembled through a high-technology roller-locked seaming. Straight cut off plate at fan discharge. Impeller with forward curved blades of galvanized steel plate, directly mounted on a brushless, permanent magnets, external rotor motor, without transmission losses, dynamically balanced according to DIN ISO 21940-11. The driver is a separate unit, connected to the fan motor, to power supply and to the control system with quick-connection plugs, ready for operation, without further configuration. Driver directly installed on the scroll, and factory-configured, for a plug and play solution: no further configuration is needed. Continuous speed control of the Drive System by 0 ... 10 V analogue signal, or with Modbus RS485-compliant interface. The complete drive system is in protection class IP 54. Power supply 230V – 50/60 Hz. Air performance ratings according to AMCA 210-07 (Fig. 12) and ISO 5801 (Fig. 69 c and par. 30.2 f).

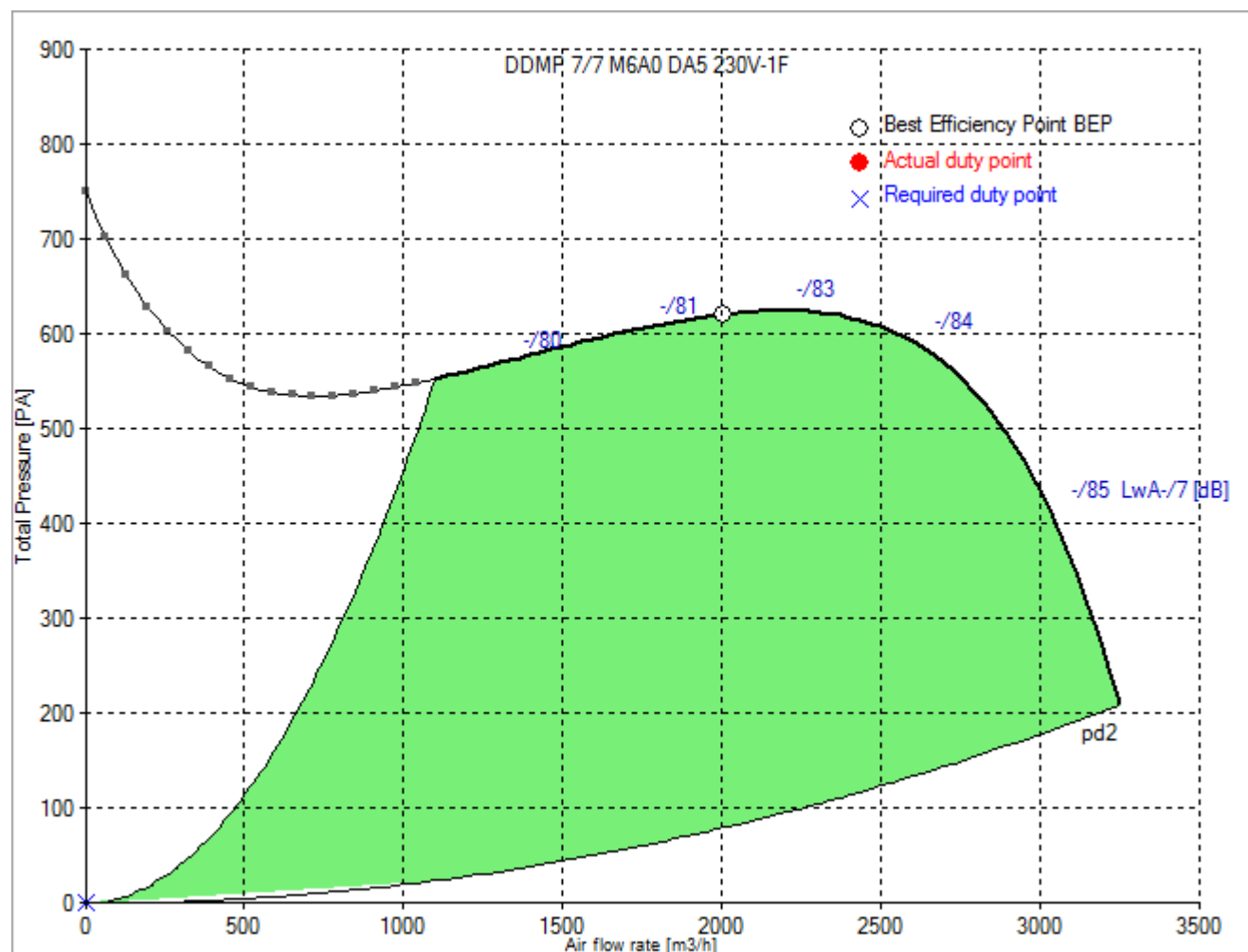


### Technical data of the fan: DDMP 7/7 M6A0 DA5 230V-1F

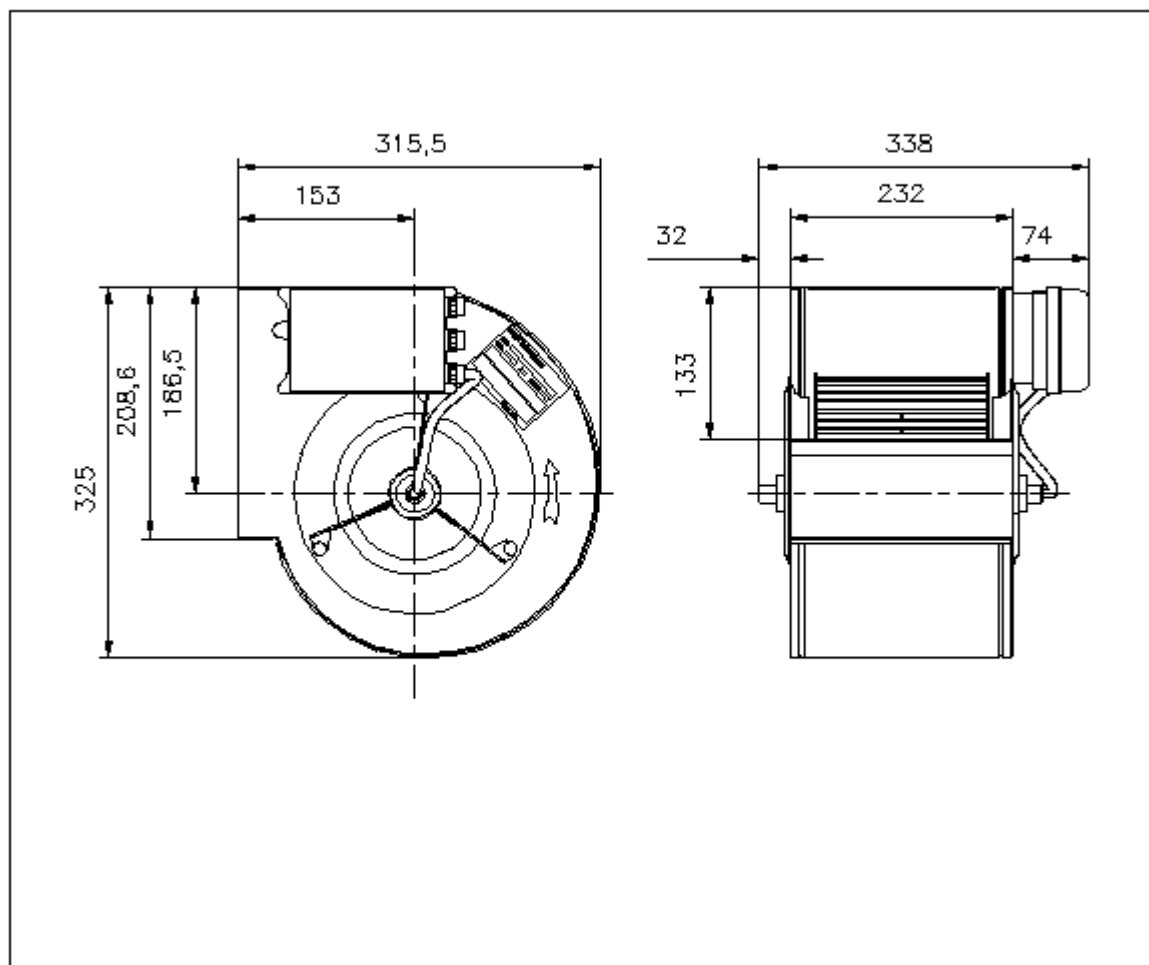
fulfills the ErP requirements 2015

Description	Value Dimension
<b>Specified duty point</b>	
<b>Actual duty point</b>	
Installation acc. DIN 24163 Part 1	B
Reference density ( $\rho_{01}$ )	1.20 kg/m <sup>3</sup>
Medium temperature (t)	20 °C
Fan weight	9 kg
This duty point can only be reached by using an inverter/controller for motor speed control!	
<b>Rated data</b>	
Phases-Voltage-Frequency	1~230-50/60 V-Hz
Rated motor current ( $I_N$ )	N/A A
<b>operational limits</b>	
Max. absorbed power ( $P_{1max}$ )	1.074 kW
Temperature range of conveying medium ( $t_{min} \dots t_{max}$ )	-20...40 °C
<b>ErP-Data at best efficiency and density - kg/m<sup>3</sup></b>	
measurement- / efficiency category	B / total
design status of VSD	VSD is integrated
overall efficiency ( $\eta_{Aopt}$ )	53.2 %
achieved efficiency grade ( $N_{ist}$ )	60.5
required efficiency grade in 2013 / 2015 (N)	42 / 49
Air flow rate ( $V_{opt}$ )	2007 m <sup>3</sup> /h
pressure rise ( $dp_{opt}$ )	623 Pa
Fan speed ( $n_{vopt}$ )	1998 min <sup>-1</sup>
motor power input ( $P_{1opt}$ )	0.652 kW
specific ratio ( $d_{dpopt}$ )	1.006

Fan curve to DDMP 7/7 M6A0 DA5 230V-1F

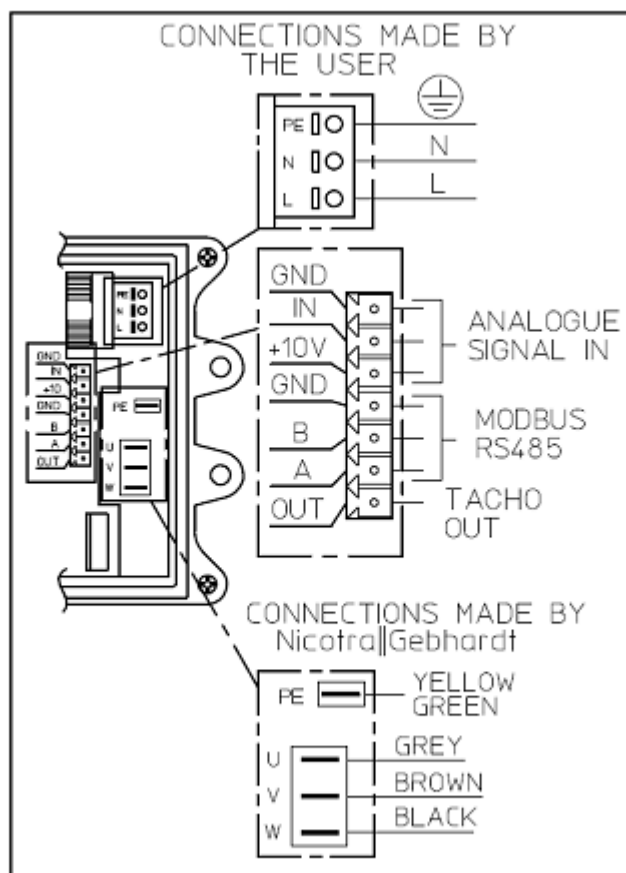


## Dimensions to DDMP 7/7 M6A0 DA5 230V-1F



Rotation: RD  
 Handing: 90

## Wiring diagram of the fan DDMP 7/7 M6A0 DA5 230V-1F



DDMP 1KW

28-11-2017 7W

Wiring diagram for connection to: [mains - VSD - motor](#)  
Rotation: [LG](#)