

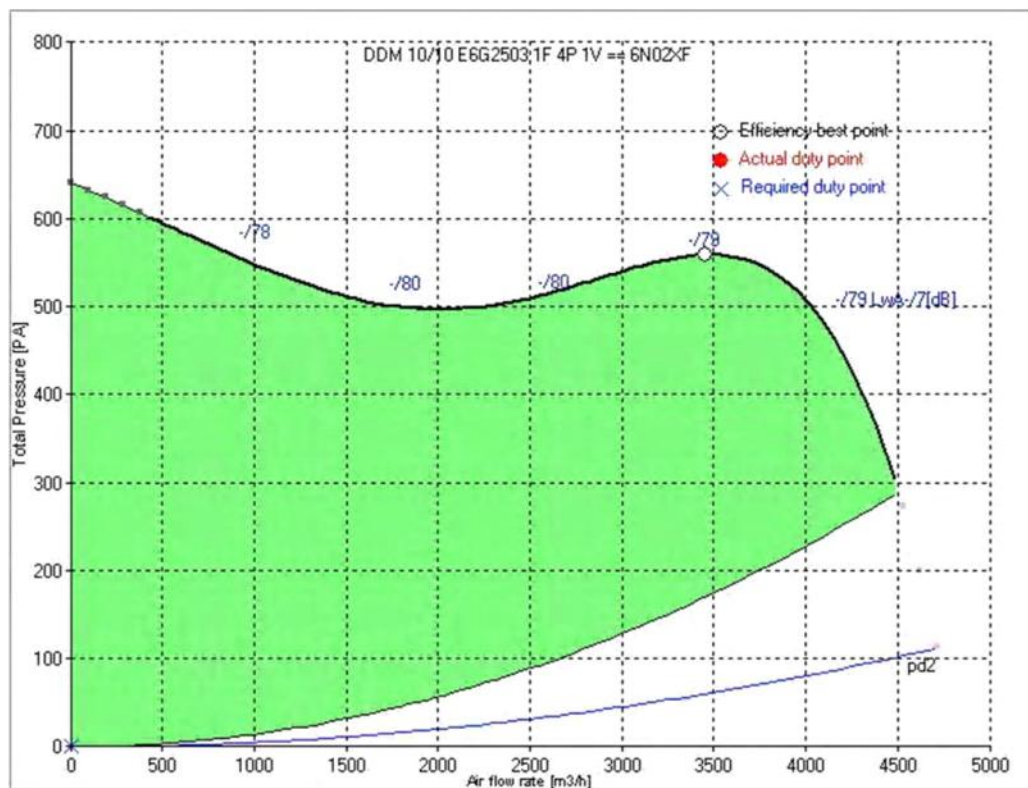
# NICOTRA||Gebhardt

## Technical data of the fan: DDM 10/10 E6G2503 1F 4P 1V == 6N02XF

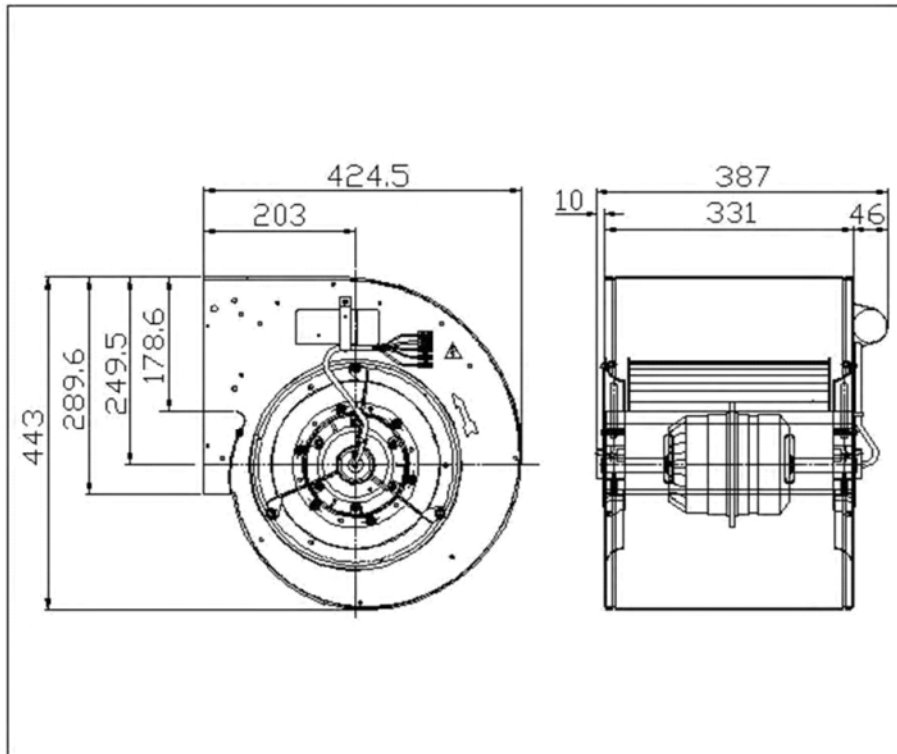
fulfills the ErP requirements 2015

Description	Value	Dimension
<b>Specified duty point</b>		
Air flow rate (V)		- m³/h
Total pressure rise		- Pa
<b>Actual duty point</b>		
Installation acc. DIN 24163 Part 1	B	
Reference density (Rho1)	1.20	kg/m³
Medium temperature (t)	20	°C
Air flow rate (V)		- m³/h
Total pressure rise (dp <sub>t</sub> )		- Pa
Dynamic pressure at discharge (pd <sub>2</sub> )		- Pa
Static pressure increase (dp <sub>st</sub> )		- Pa
fan speed (n <sub>v</sub> )		- min⁻¹
Frequency (f)		- Hz
Absorbed power (P <sub>i</sub> )		- kW
Current (I)		- A
Total system efficiency (ETA <sub>ts</sub> )		- %
Static system efficiency (ETA <sub>st</sub> )		- %
Specific Fan Power (SFP-factor)		- W/(m³/s)
Nozzle calibration factor (K <sub>10</sub> )		- m²/s/h
Differential pressure on nozzle (dp <sub>D</sub> )		- Pa
Velocity at discharge area (c)		- m/s
Fan weight	16	kg
A-weighted sound power level discharge/intake LwA <sub>7</sub>		- dB
<b>Rated data</b>		
Phase-Voltage-Frequency	1~230-50	V-Hz
Number of poles:	4	
Motor rating (P <sub>N</sub> )	0.55	kW
Rated motor speed (n <sub>N</sub> )	1400	min⁻¹
Rated motor current (I <sub>N</sub> )	8.4	A
Capacitor (C)	25	µF
<b>operational limits</b>		
Max. absorbed power (P <sub>1max</sub> )	1.913	kW
Max. fan speed (n <sub>vmax</sub> )		- min⁻¹
Max. operating frequency (f <sub>max</sub> )		- Hz
Temperature range of conveying medium (t <sub>min</sub> ... t <sub>max</sub> )	-20...40	°C
<b>ErP - Data at optimum efficiency and density 1.20 kg/m³</b>		
measurement- / efficiency category	B / total	
design status of VSD	without VSD	
overall efficiency (ETA <sub>opt</sub> )	43.1	%
achieved efficiency grade (N <sub>st</sub> )	49.0	
required efficiency grade in 2013 / 2015 (N)	42 / 49	
Air flow rate (V <sub>opt</sub> )	3195	m³/h
pressure rise (dp <sub>opt</sub> )	555	Pa
Fan speed (n <sub>vopt</sub> )	1328	min⁻¹
motor power input (P <sub>1opt</sub> )	1.14	kW
specific ratio (d <sub>dpopt</sub> )	1.005	

Fan curve to DDM 10/10 E6G2503 1F 4P 1V == 6N02XF



Dimensions to DDM 10/10 E6G2503 1F 4P 1V == 6N02XF



Rotation:  
Handing:

RD  
90