

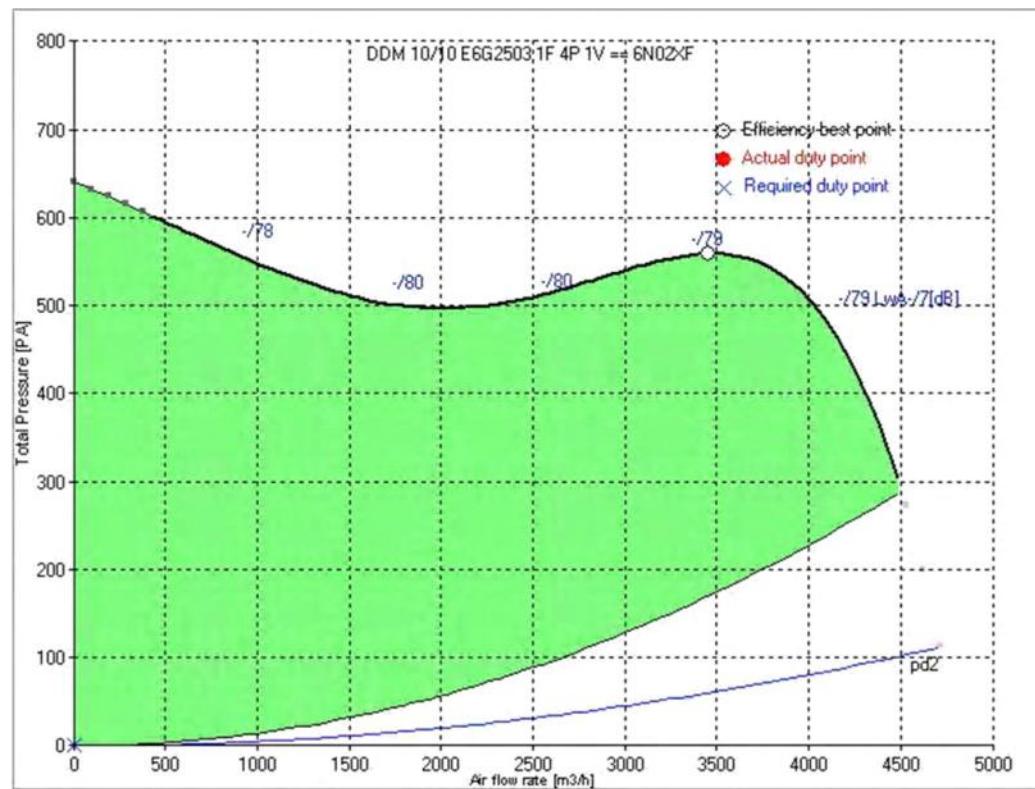
# NICOTRA||Gebhardt

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

fulfills the ErP requirements 2015

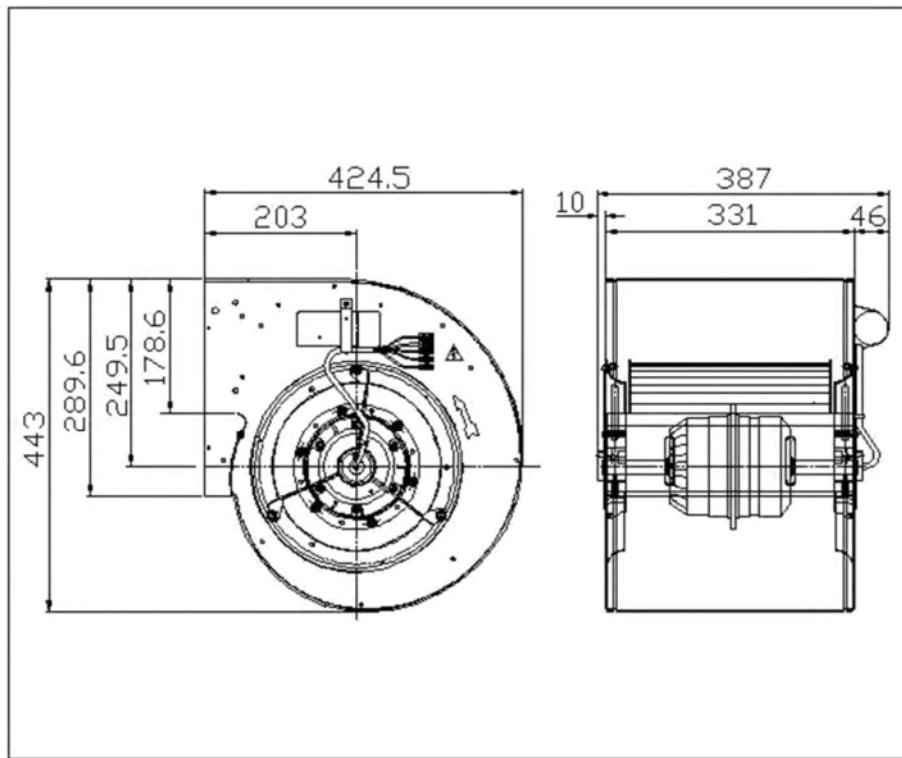
Description	Value Dimension
<b>Specified duty point</b>	
Air flow rate (V)	- m <sup>3</sup> /h
Total pressure rise	- Pa
<b>Actual duty point</b>	
Installation acc. DIN 24163 Part 1	<b>B</b>
Reference density (Rho1)	1.20 kg/m <sup>3</sup>
Medium temperature (t)	20 C
Air flow rate (V)	- m <sup>3</sup> /h
Total pressure rise (dp <sub>1</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 <sup>-1</sup>
Frequency (f)	- Hz
Absorbed power (P <sub>1</sub> )	- kW
Current (I)	- A
Total system efficiency (ETA <sub>ts</sub> )	- %
Static system efficiency (ETA <sub>tsS</sub> )	- %
Specific Fan Power (SFP-factor)	- W/(m <sup>3</sup> /s)
Nozzle calibration factor (K <sub>10</sub> )	- m <sup>2</sup> s/h
Differential pressure on nozzle (dp <sub>0</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 <sup>-1</sup>
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 <sup>-1</sup>
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/m<sup>3</sup></b>	
measurement- / efficiency category	<b>B / total</b>
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 m <sup>3</sup> /h
pressure rise (dp <sub>opt</sub> )	555 Pa
Fan speed (n <sub>vopt</sub> )	1328 min <sup>-1</sup>
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



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



Rotation:  
Handing:

RD  
90