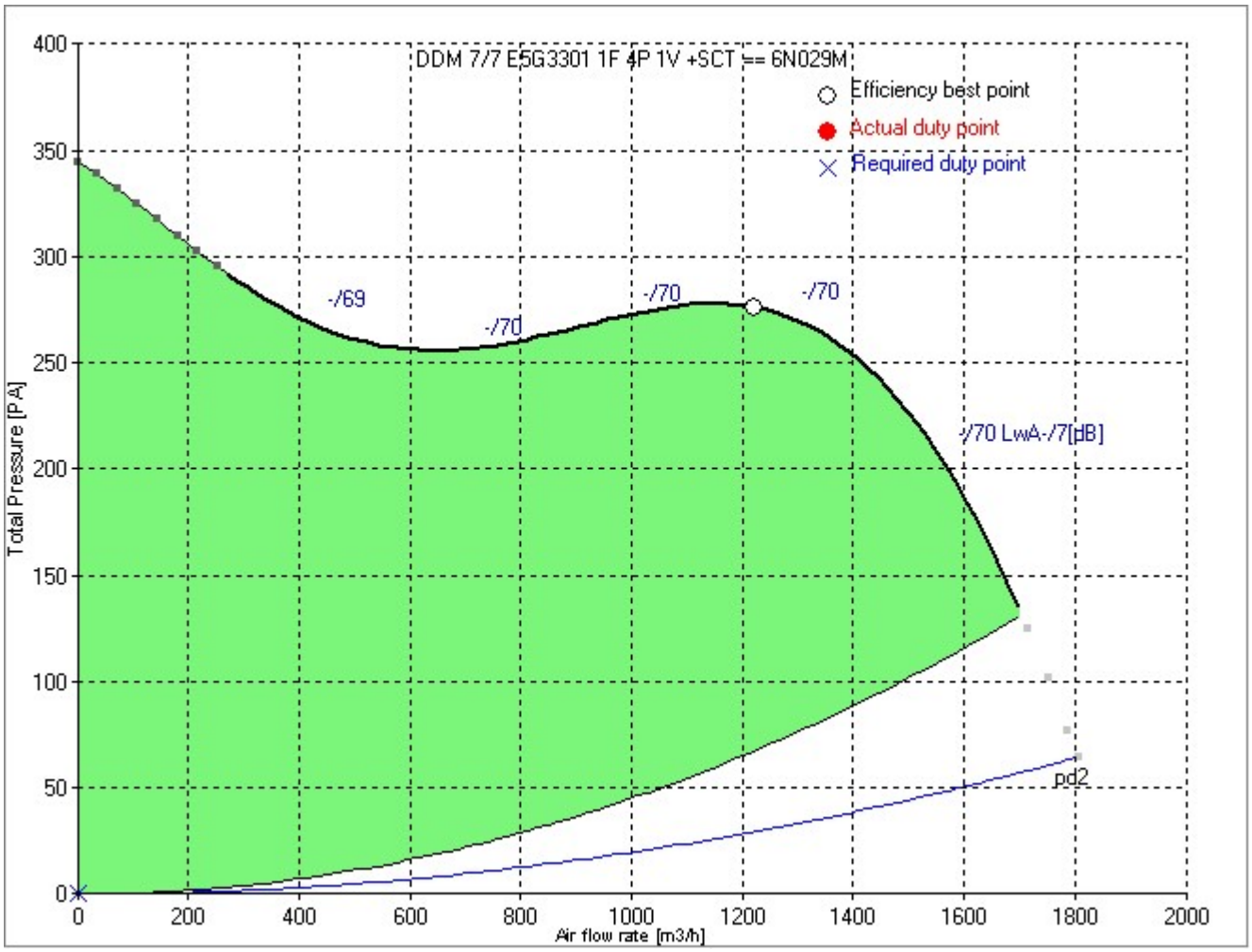
NICOTRA Gebhardt

Technical data of the fan: DDM 7/7 E5G3301 1F 4P 1V +SCT == 6N029M

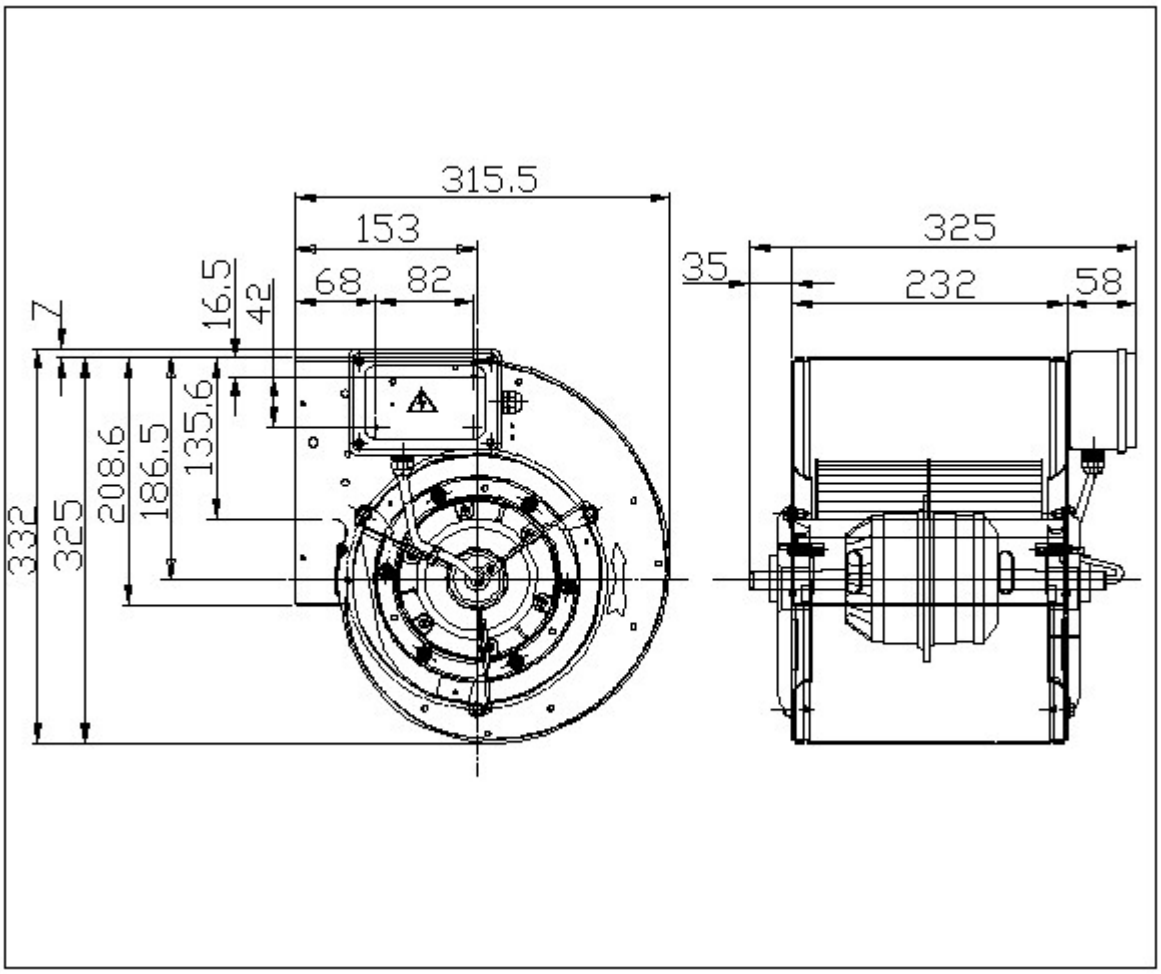
fulfills the ErP requirements 2015

Description	Value	Dimension
Specified duty point		
Air flow rate (V)	-	m³/h
Total pressure rise	-	Pa
Actual duty point		
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_t)	-	Pa
Dynamic pressure at discharge (pd_2)	-	Pa
Static pressure increase (dp_{fa})	-	Pa
fan speed (n_v)	-	min^{-1}
Frequency (f)	-	Hz
Absorbed power (P_1)	-	kW
Current (I)	-	A
Total system efficiency (ETA_{ts})	-	%
Static system efficiency (ETA_{faS})	-	%
Specific Fan Power (SFP-factor)	-	W/(m^3/s)
Nozzle calibration factor (K_{10})	-	m^2s/h
Differential pressure on nozzle (dp_D)	-	Pa
Velocity at discharge area (c)	-	m/s
Fan weight	12	kg
A-weighted sound power level discharge/intake $LwA_{-/7}$	-	dB
Rated data		
Phase-Voltage-Frequency	1~230-50	V-Hz
Number of poles:	4	
Motor rating (P_N)	0.147	kW
Rated motor speed (n_N)	1200	min^{-1}
Rated motor current (I_N)	1,5	A
Capacitor (C)	5	µF
operational limits		
Max. absorbed power (P_{1max})	0.366	kW
Max. fan speed (n_{vmax})	-	min^{-1}
Max. operating frequency (f_{max})	-	Hz
Temperature range of conveying medium (t_{min} ...t_{max})	-20...40	C
ErP - Data at optimum efficiency and density 1.20 kg/m^3		
measurement- / efficiency category	B / total	
design status of VSD	without VSD	
overall efficiency (ETA_{opt})	38.8	%
achieved efficiency grade (N_{ist})	49.0	
required efficiency grade in 2013 / 2015 (N)	42 / 49	
Air flow rate (V_{opt})	1201	m³/h
pressure rise (dp_{opt})	278	Pa
Fan speed (n_{vopt})	1288	min^{-1}
motor power input (P_{1opt})	0.24	kW
specific ratio (d_{dpopt})	1.003	

Fan curve to DDM 7/7 E5G3301 1F 4P 1V +SCT == 6N029M



Dimensions to DDM 7/7 E5G3301 1F 4P 1V +SCT == 6N029M



Rotation: RD
Handing: 90