

Specification of: DDM 280/204 E6G3706 3F 4P 1V +SCT == 6N02121



High performance centrifugal fan DDM

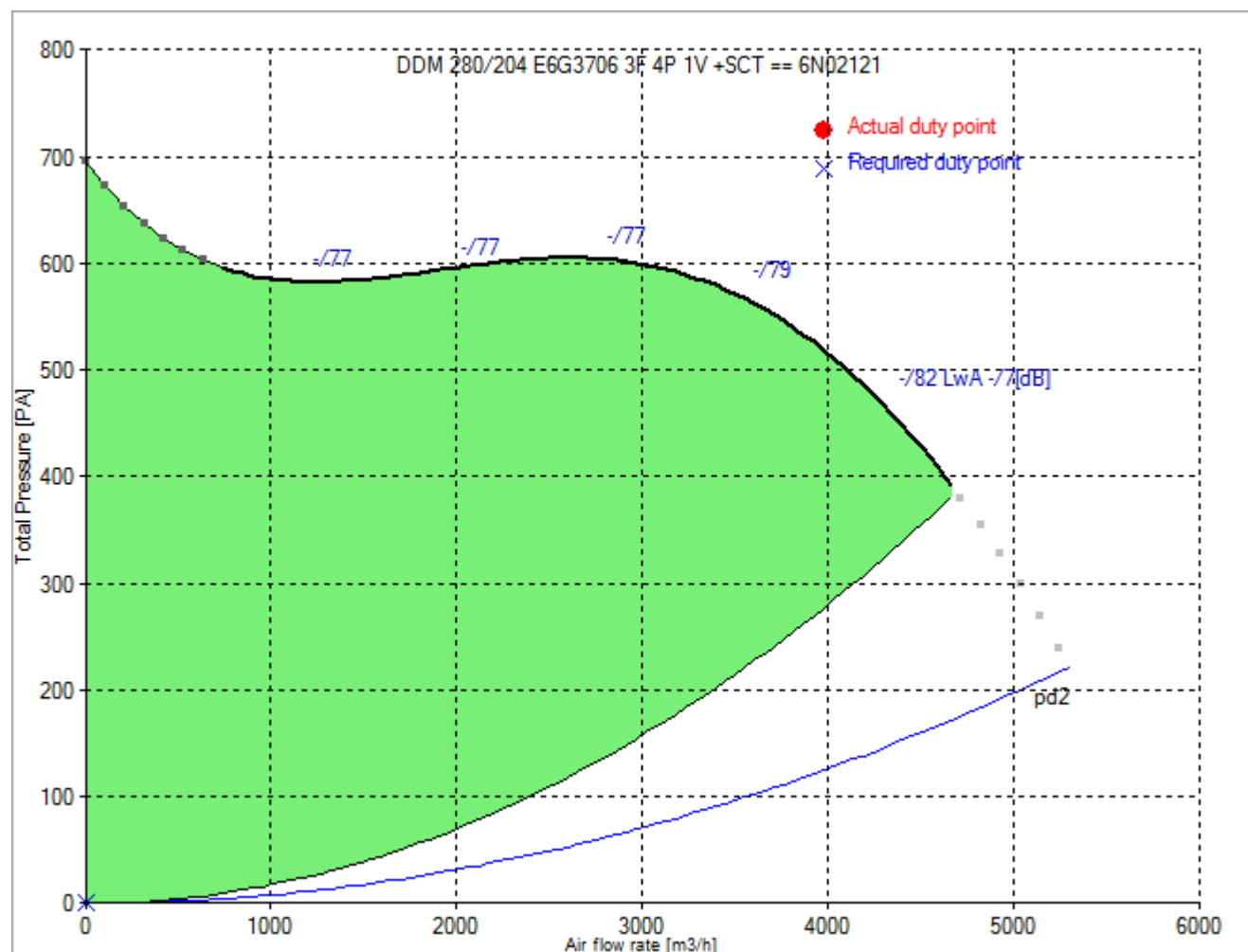
Double width, double inlet (DWDI), direct drive, forward curved blades fan. Spot-welded scroll of galvanized steel plate. Straight cut off plate at fan discharge. Impeller with forward curved blades of galvanized steel plate, directly mounted on a "External Rotor" motor for no transmission losses. Closed (IP 55) frame, three-phase, voltage controllable motor, usable at 400 V, 50 Hz. Built-in thermal protection device available as option. Maintenance free, integral vibration isolators, self aligning ball bearings. Dynamically balanced according to DIN ISO 21940-11. With mounted terminal box. Air performance ratings according to AMCA 210-99 (Fig. 12), UNI 10531 (Fig 30c and par. 29.2 f) and ISO 5801 (Fig. 69 c and par. 30.2 f).

Technical data of the fan: DDM 280/204 E6G3706 3F 4P 1V +SCT == 6N02121

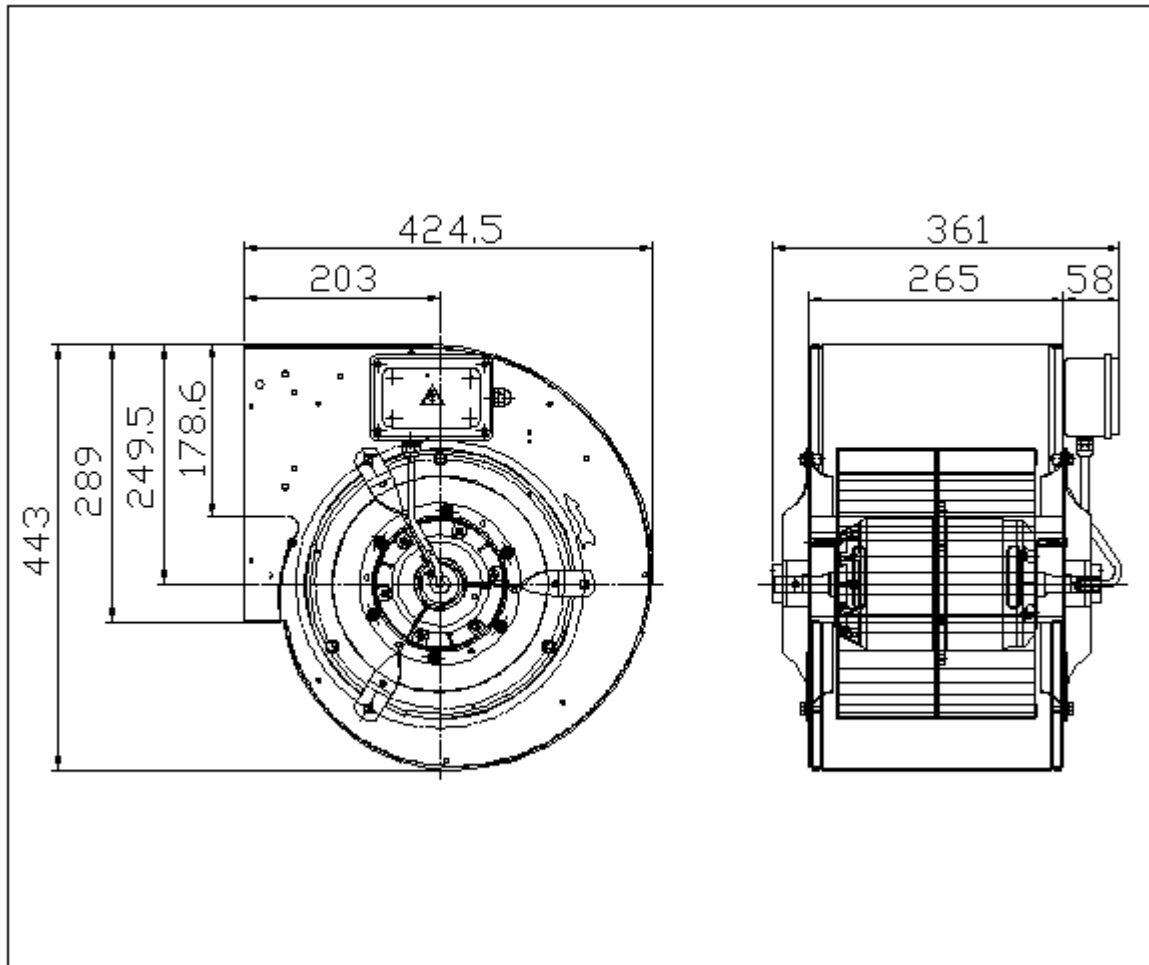
[fulfills the ErP requirements 2015](#)

Description	Value Dimension
Specified duty point	
Actual duty point	
Installation acc. DIN 24163 Part 1	B
Reference density (ρ_{ref})	1.20 kg/m ³
Medium temperature (t)	20 °C
Fan weight	23 kg
Rated data	
Phases-Voltage-Frequency	3~400 V-50 Hz
Number of poles:	4
Motor rating (P_N)	0.75 kW
Rated motor speed (n_N)	1370 min ⁻¹
Rated motor current (I_N)	3,1 A
operational limits	
Max. absorbed power (P_{1max})	1.924 kW
Temperature range of conveying medium ($t_{min} \dots t_{max}$)	-20...40 °C
ErP-Data at best efficiency and density - kg/m³	
measurement- / efficiency category	B / total
design status of VSD	without VSD
overall efficiency (η_{opt})	47.8 %
achieved efficiency grade (N_{ist})	54.6
required efficiency grade in 2013 / 2015 (N)	42 / 49
Air flow rate (V_{opt})	2424 m ³ /h
pressure rise (Δp_{opt})	611 Pa
Fan speed (n_{vopt})	1370 min ⁻¹
motor power input (P_{1opt})	0.860 kW
specific ratio (d_{dopt})	1.006

Fan curve to DDM 280/204 E6G3706 3F 4P 1V +SCT == 6N02121

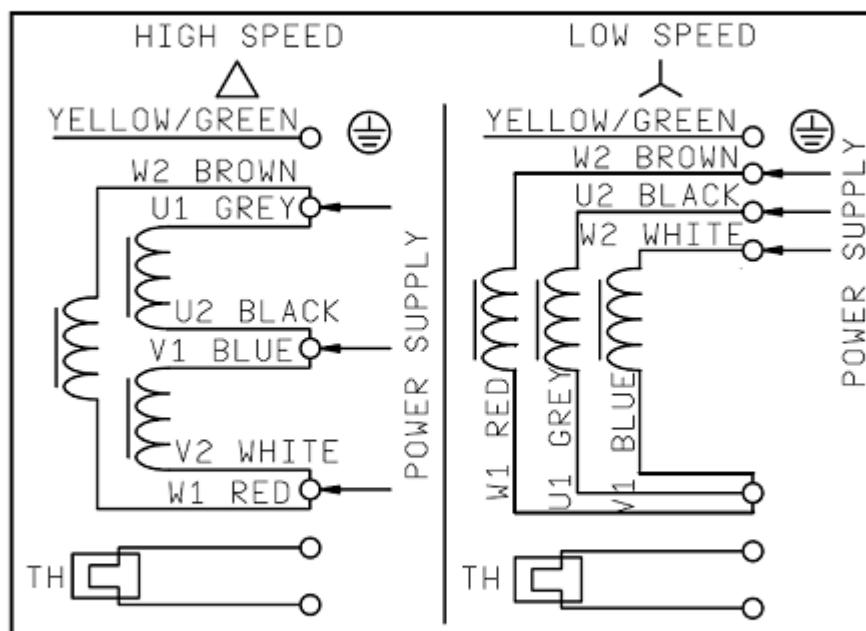


Dimensions to DDM 280/204 E6G3706 3F 4P 1V +SCT == 6N02121



Rotation: RD
 Handing: 90

Wiring diagram of the fan DDM 280/204 E6G3706 3F 4P 1V +SCT == 6N02121



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