



Specification of: DDM 7/7 E6G3405 1F 4P 1V +SCT == 6N02WL

High performance centrifugal fan DDM

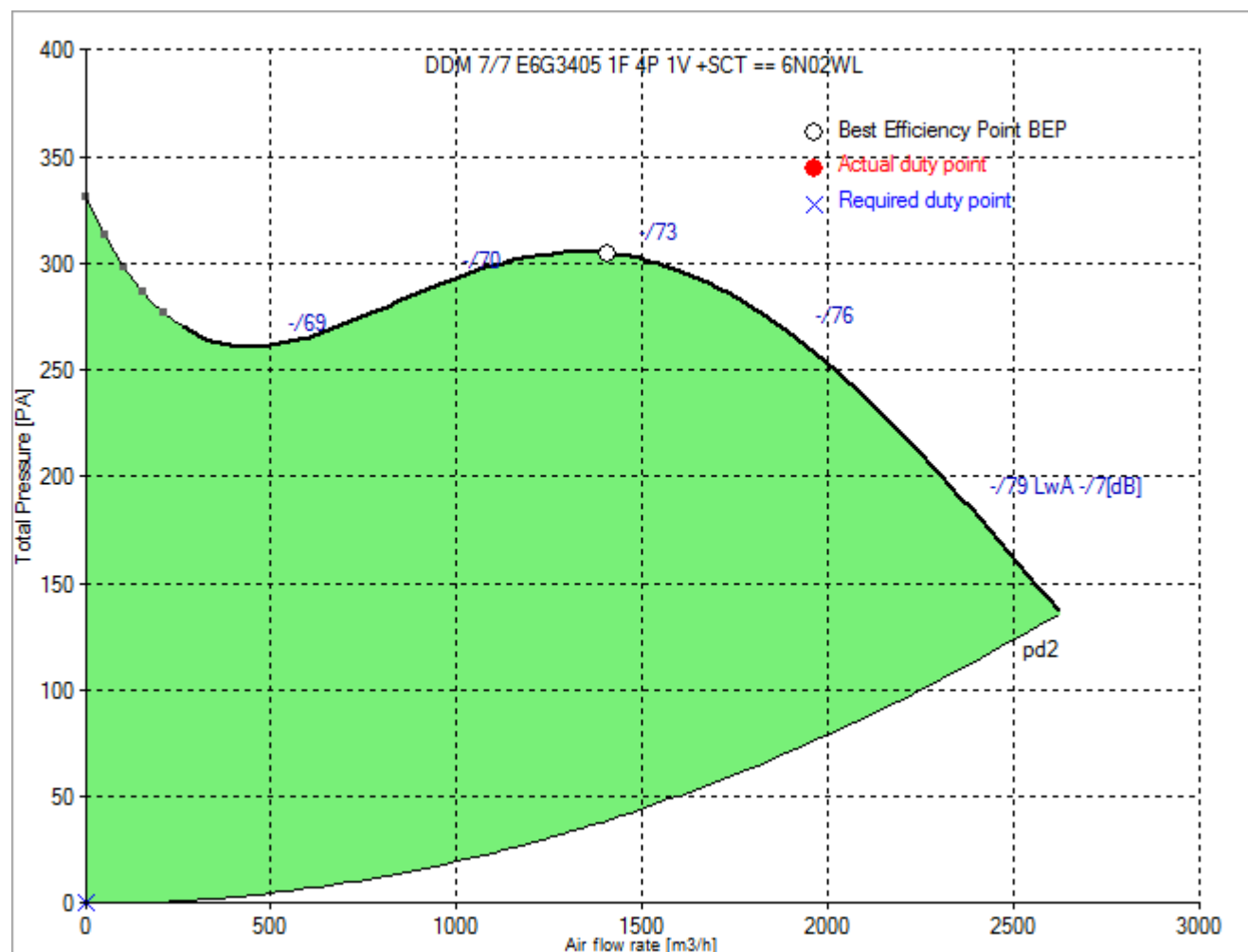
Double width, double inlet (DWDI), direct drive, forward curved blades fan. Lap-jointed scroll made of galvanized steel (EN 10142), assembled through a high-technology roller-locked seaming. Straight cut off plate at fan discharge. Impeller with forward curved blades of galvanized steel plate, directly mounted on a "External Rotor" motor for no transmission losses. Closed (IP 55) frame, single-phase, voltage controllable motor, usable at 230 V, 50 Hz or 60 Hz. With built-in thermal protection device. 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).

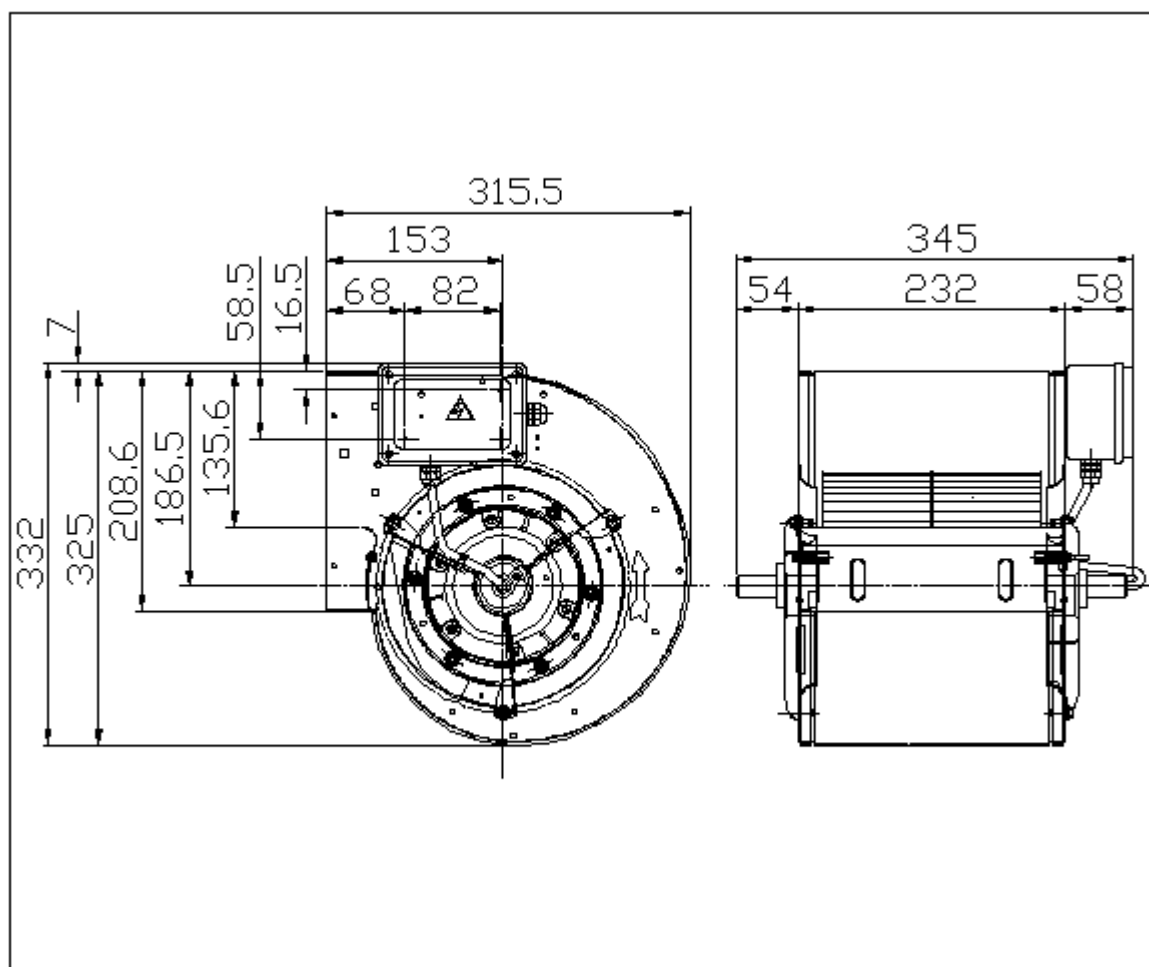
Technical data of the fan: DDM 7/7 E6G3405 1F 4P 1V +SCT == 6N02WL

[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	12	kg
Rated data		
Phases-Voltage-Frequency	1~230-50	V-Hz
Number of poles:	4	
Motor rating (P_N)	0.42	kW
Rated motor speed (n_N)	1320	min ⁻¹
Rated motor current (I_N)	2,6	A
Capacitor (C)	10	µF
operational limits		
Max. absorbed power (P_{1max})	0.591	kW
Temperature range of conveying medium ($t_{min} \dots t_{max}$)	-20...50	°C
ErP-Data at best efficiency and density - kg/m³		
measurement- / efficiency category	B / total	
design status of VSD	without VSD	
overall efficiency (η_{Aopt})	39.4	%
achieved efficiency grade (N_{ist})	49.0	
required efficiency grade in 2013 / 2015 (N)	42 / 49	
Air flow rate (V_{opt})	1409	m ³ /h
pressure rise (Δp_{opt})	307	Pa
Fan speed (n_{vopt})	1426	min ⁻¹
motor power input (P_{1opt})	0.304	kW
specific ratio (d_{dopt})	1.003	

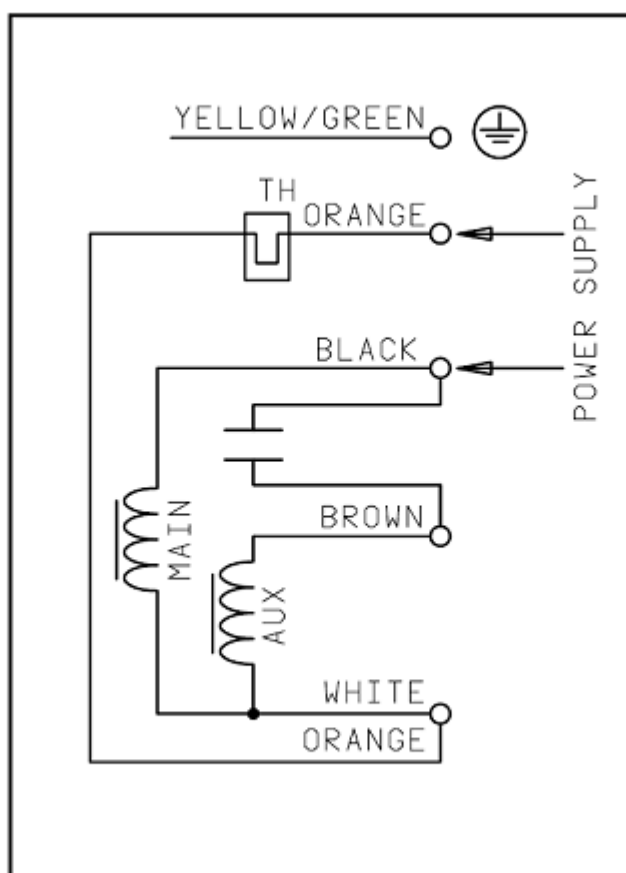
Fan curve to DDM 7/7 E6G3405 1F 4P 1V +SCT == 6N02WL





Rotation: RD
Handing: 90

Wiring diagram of the fan DDM 7/7 E6G3405 1F 4P 1V +SCT == 6N02WL



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