

Specification of: DDM 7/7 E5G3403 3F 4P 1V +SCT == 6N022H

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, three-phase, single speed motor, usable at 400 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).

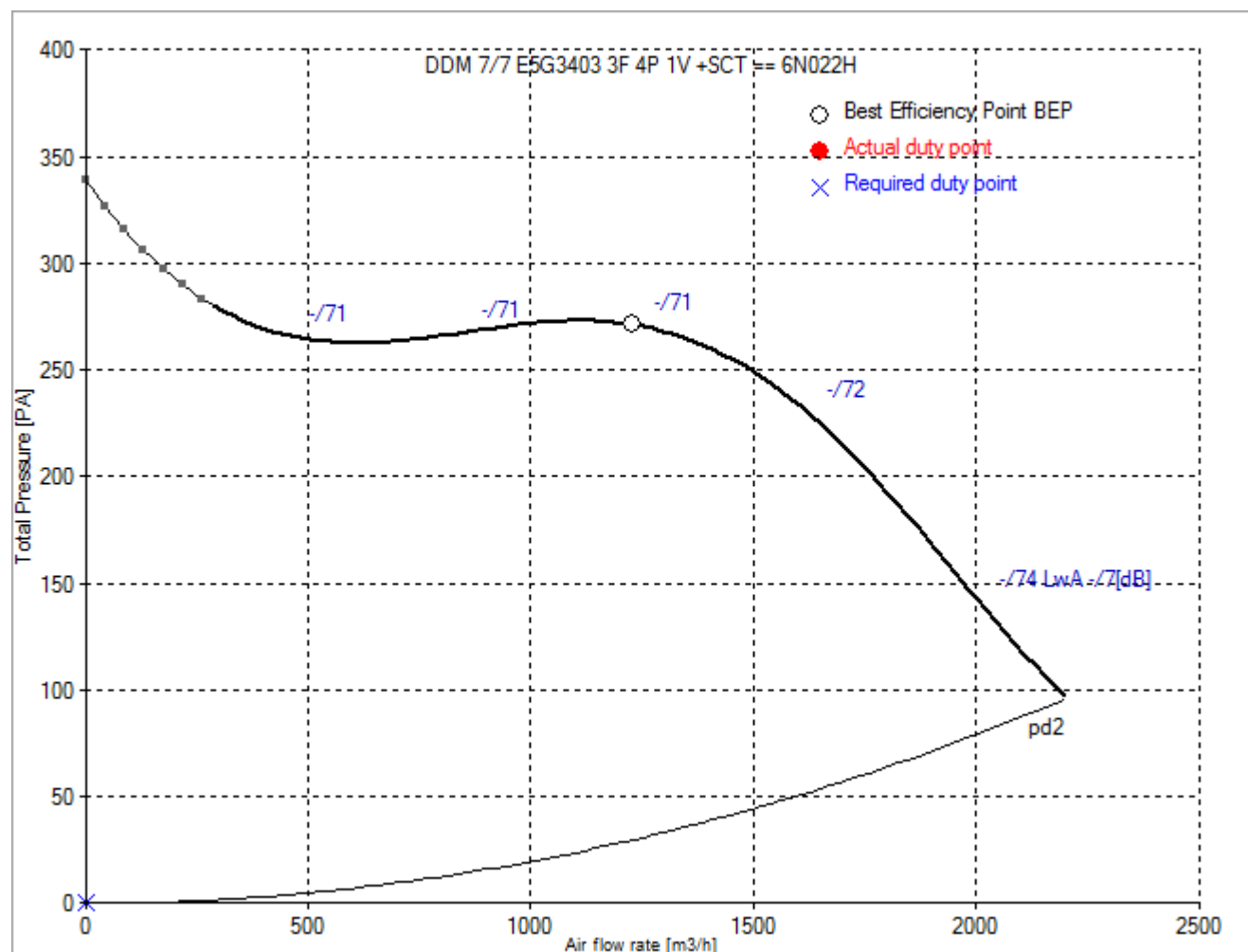


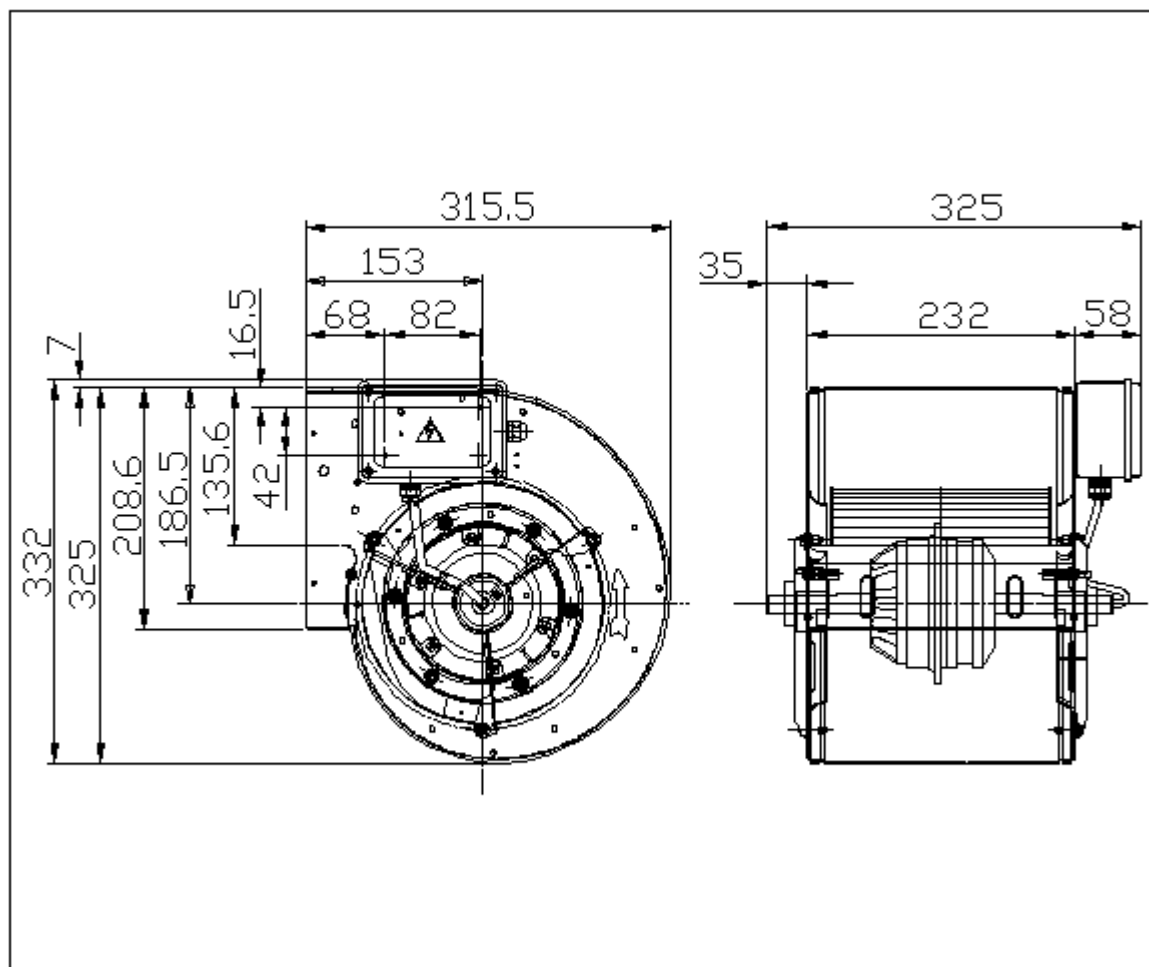
Technical data of the fan: DDM 7/7 E5G3403 3F 4P 1V +SCT == 6N022H

[fulfills the ErP requirements 2015](#)

Description	Value Dimension
Specified duty point	
Actual duty point	
Installation acc. DIN 24163 Part 1	B
Reference density (ρ_{01})	1.20 kg/m ³
Medium temperature (t)	20 C
Fan weight	13 kg
Rated data	
Phases-Voltage-Frequency	3~230/400-50 V-Hz
Number of poles:	4
Motor rating (P_N)	0.147 kW
Rated motor speed (n_N)	1290 min ⁻¹
Rated motor current (I_N)	1,2/0,7 A
operational limits	
Max. absorbed power (P_{1max})	0.41 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_{Aopt})	41.8 %
achieved efficiency grade (N_{ist})	52.5
required efficiency grade in 2013 / 2015 (N)	42 / 49
Air flow rate (V_{opt})	1148 m ³ /h
pressure rise (dp_{opt})	275 Pa
Fan speed (n_{vopt})	1301 min ⁻¹
motor power input (P_{1opt})	0.209 kW
specific ratio (d_{dpopt})	1.003

Fan curve to DDM 7/7 E5G3403 3F 4P 1V +SCT == 6N022H

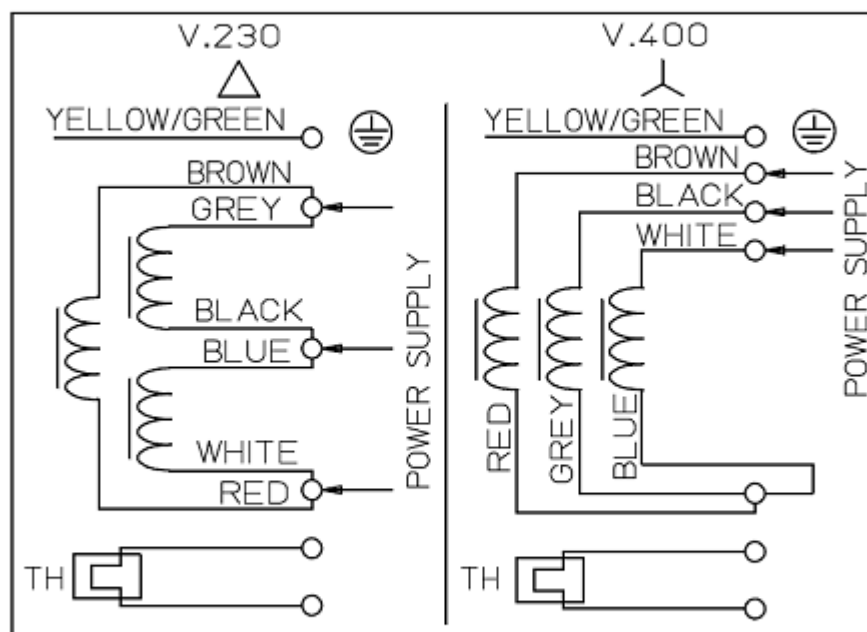




Rotation:
Handing:

RD
90

Wiring diagram of the fan DDM 7/7 E5G3403 3F 4P 1V +SCT == 6N022H



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