



W4D710-ND01-01
AC axial fan - AxiBlade
Motor: M4D138-LA

Technical Description



Weight	42 kg
Motor size	138
Size	710 mm
Rotor surface	Cast in aluminum
Terminal box material	PP plastic
Blade material	PP plastic
Fan housing material	Sheet steel, galvanized and coated with black plastic (RAL 9005)
Guard grille material	Steel, coated with black plastic (RAL 9005)
Number of blades	5
Blade pitch	0°
Airflow direction	V
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP54
Insulation class	"F"
Ambient temperature note	Occasional start-up at temperatures between -40°C and -25°C is permitted. For c ambient temperatures below -25°C (such as refrigeration applications), use must with special low-temperature bearings.
Moisture (F) / Environmental (H) protection class	H2
Max. permitted ambient temp. for motor (transport/storage)	+80 °C
Min. permitted ambient temp. for motor (transport/storage)	-40 °C
Installation position	Any
Condensation drainage holes	On rotor and stator sides
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	<= 3,5 mA
Electrical hookup	Terminal box
Motor protection	Thermal overload protector (TOP) with basic insulation
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; EN 61800-5-1 / CE
Approval	VDE / EAC

Data according to ErP directive

 Installation category
 *Specific ratio = $1 + p_{if} / 100\,000$

A

Efficiency category			static
Closed-loop speed control			nein
Specific ratio*			1
*Specific ratio = $1 + p_{st} / 100\,000$			
		Actual	Request 201
Overall efficiency η_e		43,2	35,9
Efficiency grade N		47,3	40
Power input P_e	KW	2,25	
Airflow q_v	m ³ /h	13930	
Pressure increase total	Pa	253	
Speed n	min ⁻¹	1365	
Data established at point of optimum efficiency			

Nominal data

Phase		3~
Type of voltage		AC
Nominal voltage	in V	400
Connection		D
Frequency	in Hz	50
Type of data definition		maximum loa
Valid for approval / standard		CE
Speed	in min ⁻¹	1350
Power input	in W	2350
Current draw	in A	4,6
Starting current	in A	19
Max. back pressure	in Pa	280

Downloads

[↓ Operating instructions \[PDF\]](#)

