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Nominal data

Type	W2E143-AB09-06		
Motor	M2E052-BF		
Phase		1~	1~
Nominal voltage	[V]	230	230
Frequency	[Hz]	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min ⁻¹]	2800	3300
Power input	[W]	26	29
Current draw	[A]	0.13	0.13
Motor capacitor	[μF]	0.75	0.75
Capacitor voltage	[VDB]	400	400
Capacitor standard		P0 (CE)	P0 (CE)
Max. ambient temperature	[°C]	60	75

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

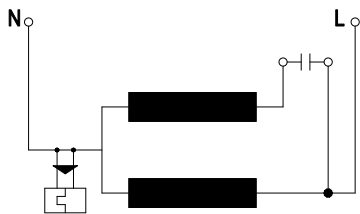
Technical features

Leackage current	< 0.75 mA
Size	143 mm
Operation mode	S1
Direction of rotation	Counter-clockwise, seen on rotor
Mounting position	Any
Electrical leads	With plug
Direction of air flow	"V"
Insulation class	"B"
Condensate discharge holes	None, open rotor
Motor bearing	Ball bearing
Mass	0.92 kg
Material of blades	Sheet steel, coated in black
Material of wall ring	Die-cast aluminium, coated in black
Motor protection	Thermal overload protector (TOP) wired internally
Product conforming to standard	CE; EN 60335-1
Surface of rotor	Rotor open, coated in black
Number of blades	5
Type of protection	IP 20
Protection class	I (if earth wire is connected by customer)
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CSA C22.2 Nr.113; UL 507; VDE

The technical drawing consists of two views of a fan assembly:

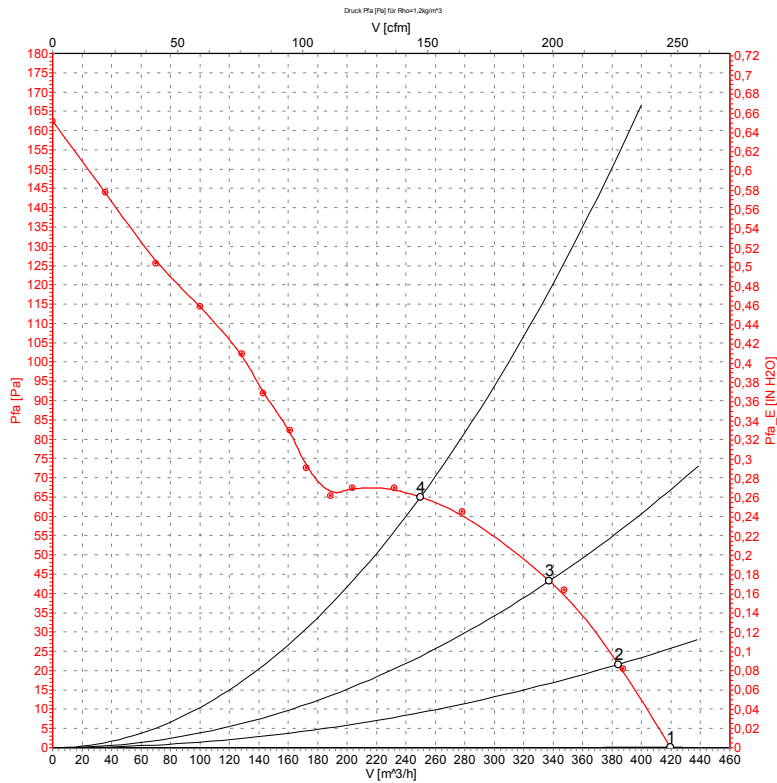
- Side View (Left):** Shows the profile of the fan housing. Key dimensions include:
 - Total width: 51 ± 0.3
 - Top flange width segments: 7.2 and 7.2
 - Bottom flange thickness: 2.5 ± 0.3
 - Housing depth: 8 ± 0.1
 - Internal mounting hole diameter: $\varnothing 171.5 \pm 0.4$
- Front View (Right):** Shows the circular fan wheel with five blades. Key dimensions include:
 - Overall diameter: 162
 - Mounting bracket height: 9.5
 - Bracket hole diameter: $\varnothing 4.6 / 4.7 \pm 0.05$
 - Blade angle from centerline: 96 ± 1
 - Motor mounting distance: 86 ± 1
 - Motor mounting hole offset: 25 ± 1
 - Motor mounting hole diameter: $\varnothing 165 \pm 0.4$

- ## Connection screen



Charts: Air flow 50 Hz

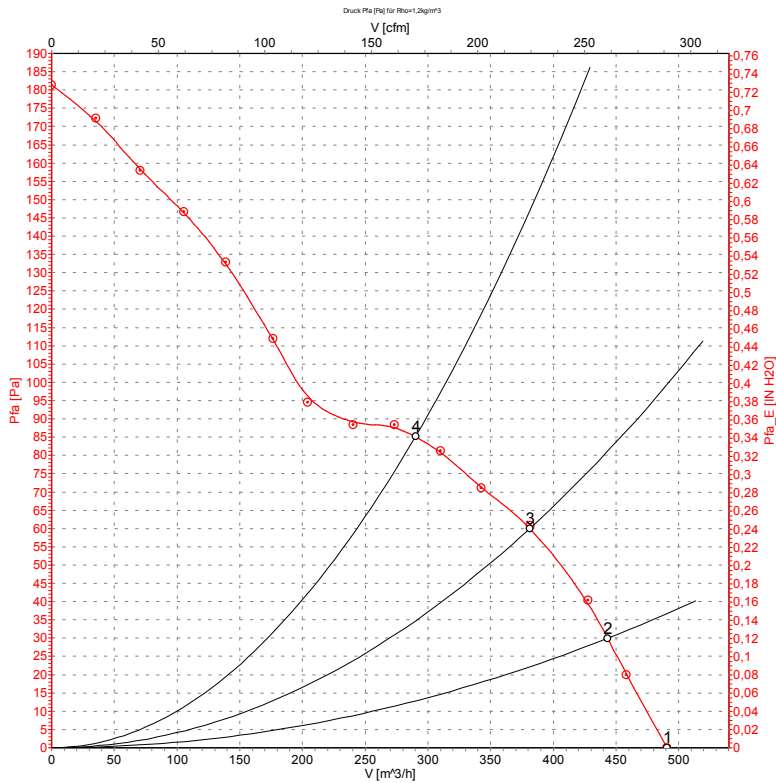
Measurement: LU-58509



Measured values

	U	f	n	P_1	I	$\hat{V}$	P_{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	50	2800	24	0.12	420	0
2	230	50	2775	27	0.13	385	22
3	230	50	2760	27	0.13	335	44
4	230	50	2745	28	0.13	250	65

Charts: Air flow 60 Hz



Measured values

	U	f	n	P_1	I	$\dot{V}$	P_{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	60	3300	30	0.13	490	0
2	230	60	3210	31	0.14	445	30
3	230	60	3175	32	0.14	380	60
4	230	60	3140	33	0.14	290	85