

ASIA PACIFIC SHENGRUI LIMITED

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Nominal data

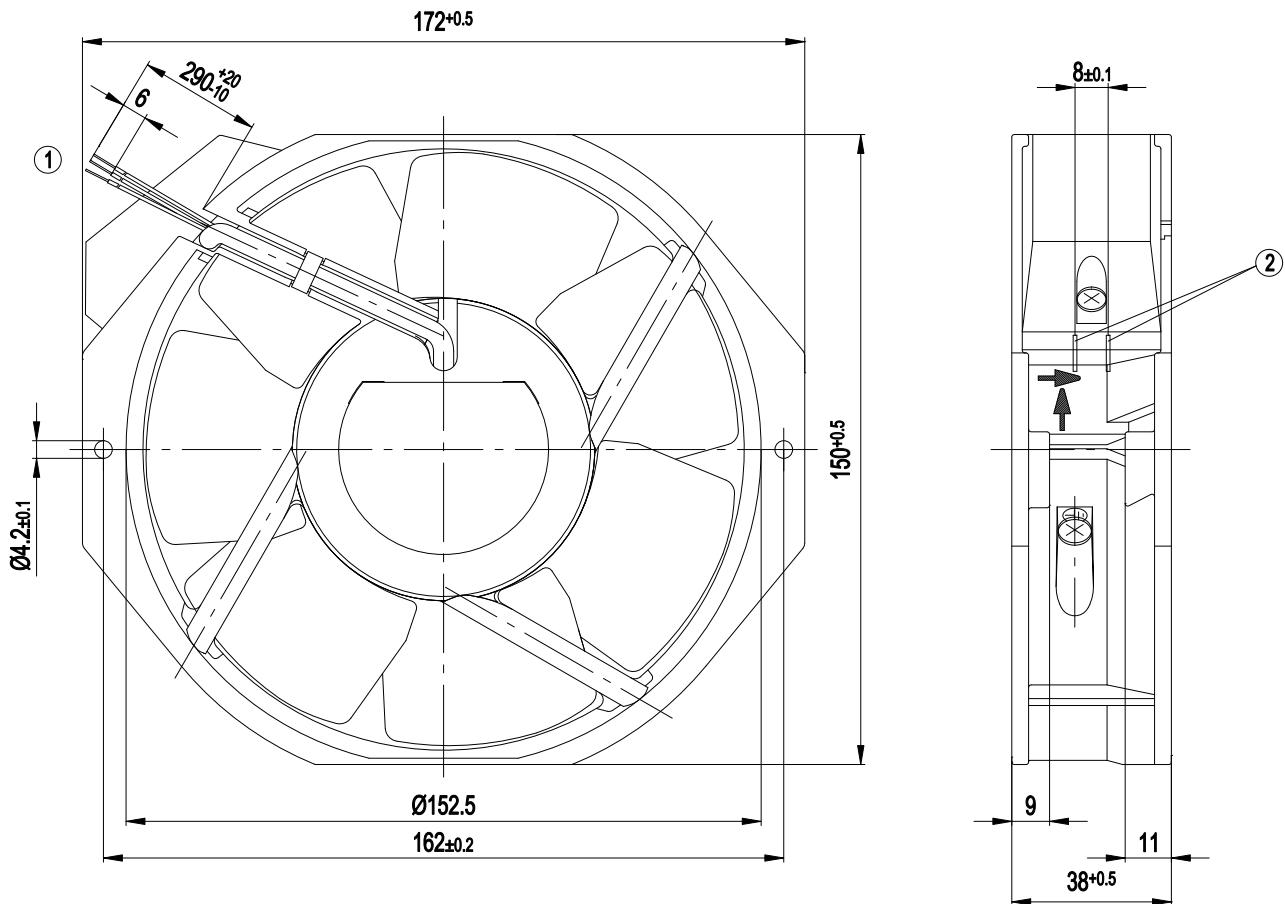
Type	W2E142-BB05-87		
Motor	M2E052-AK		
Phase		1~	1~
Nominal voltage	[V]	115	115
Frequency	[Hz]	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min ⁻¹]	2800	3350
Power input	[W]	27	28
Current draw	[A]	0.24	0.25
Motor capacitor	[μF]	3	3
Capacitor voltage	[VDB]	220	220
Capacitor standard		P0 (CE)	P0 (CE)
Max. ambient temperature	[°C]	55	65

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

Technical features

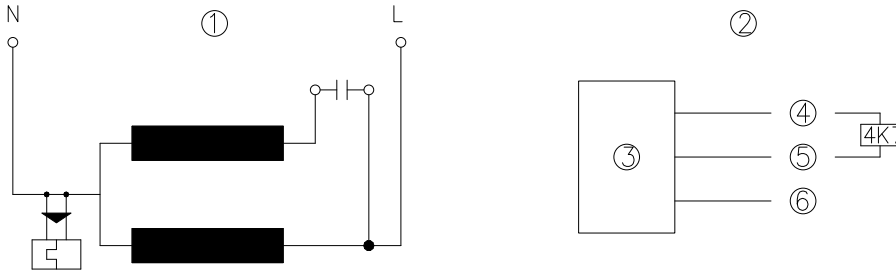
Leakage current	< 0.75 mA
Size	142 mm
Operation mode	S1
Direction of rotation	Counter-clockwise, seen on rotor
Mounting position	Any
Electrical leads	With plug
Direction of air flow	"V"
Insulation class	"B"
Condensate discharge holes	None
Bearing motor	Ball bearing
Mass	0.8 kg
Material of blades	Sheet 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	Coated in black
Number of blades	7
Type of protection	IP 22; Depending on installation and position
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

Product drawing



- | | |
|---|---|
| 1 | Connection line AWG26, 3 x 6 mm, tin-plated |
| 2 | 2 x flat plugs 2.8 x 0.5 mm |

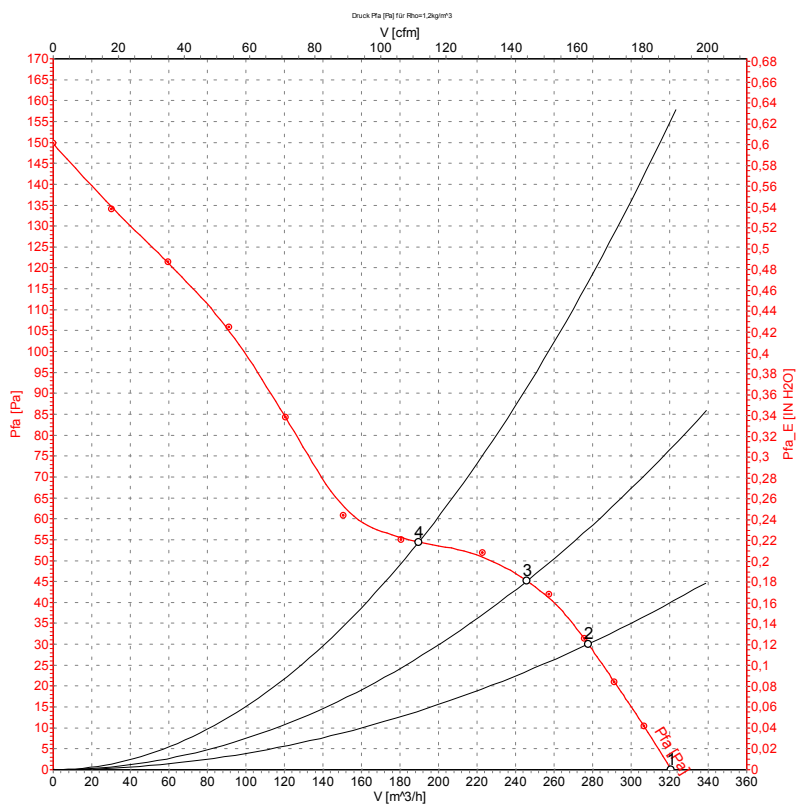
Connection screen



Tachometer

1	Fan connection diagram
2	Hall IC circuit
3	Hall IC
4	Red (+5V)
5	White (out)
6	Black (0V)

Charts: Air flow 50 Hz

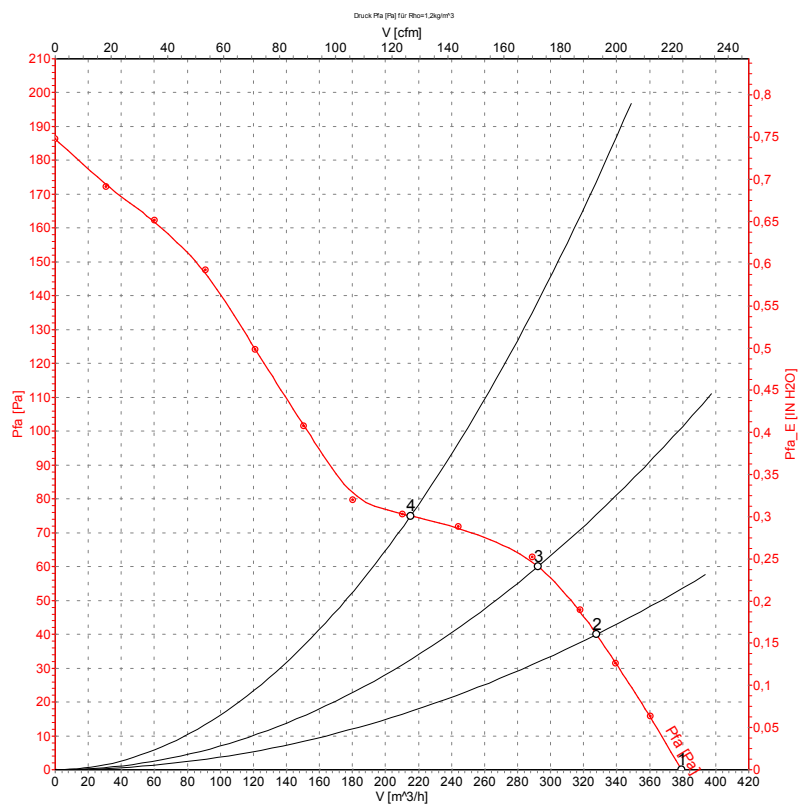


Measurement: LU-64115

Measured values

	U	f	n	P ₁	I	\hat{V}	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	115	50	2830	24	0.22	320	0
2	115	50	2795	24	0.23	280	30
3	115	50	2775	25	0.23	245	45
4	115	50	2775	25	0.23	190	54

Charts: Air flow 60 Hz



Measurement: LU-64116

Measured values

	U	f	n	P ₁	I	\hat{V}	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	115	60	3340	26	0.23	380	0
2	115	60	3280	28	0.24	330	40
3	115	60	3240	28	0.25	290	60
4	115	60	3230	29	0.25	215	75