

## Nominal data

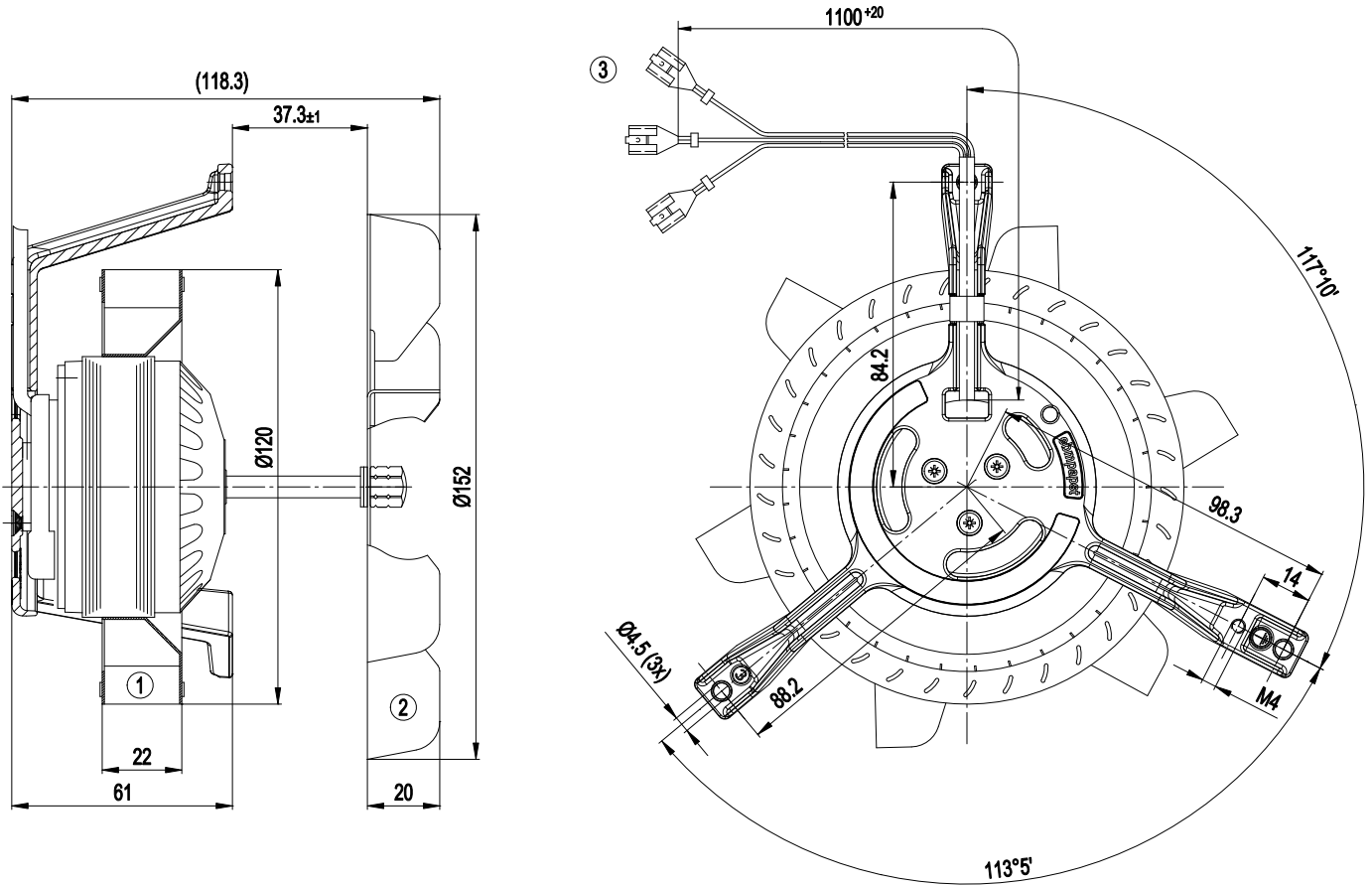
<b>Type</b>	R2E150-AE52-06		
<b>Motor</b>	M2E052-CA		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min <sup>-1</sup>	2600	2950
Power input	W	42	53
Current draw	A	0.19	0.24
Motor capacitor	µF	1.5	1.5
Capacitor voltage	VDB	400	400
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	Pa	0	0
Max. ambient temperature	°C	60	65

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

### Technical features

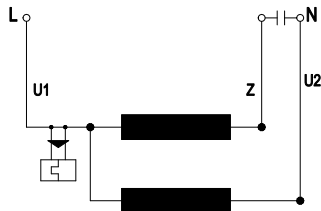
Mass	0.9 kg
Size	150 mm
Surface of rotor	Uncoated
Material of impeller	Sheet steel, stainless
Number of blades	6
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 00
Insulation class	"F"
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Lateral
Product conforming to standard	EN 60335-1; CE

## Product drawing



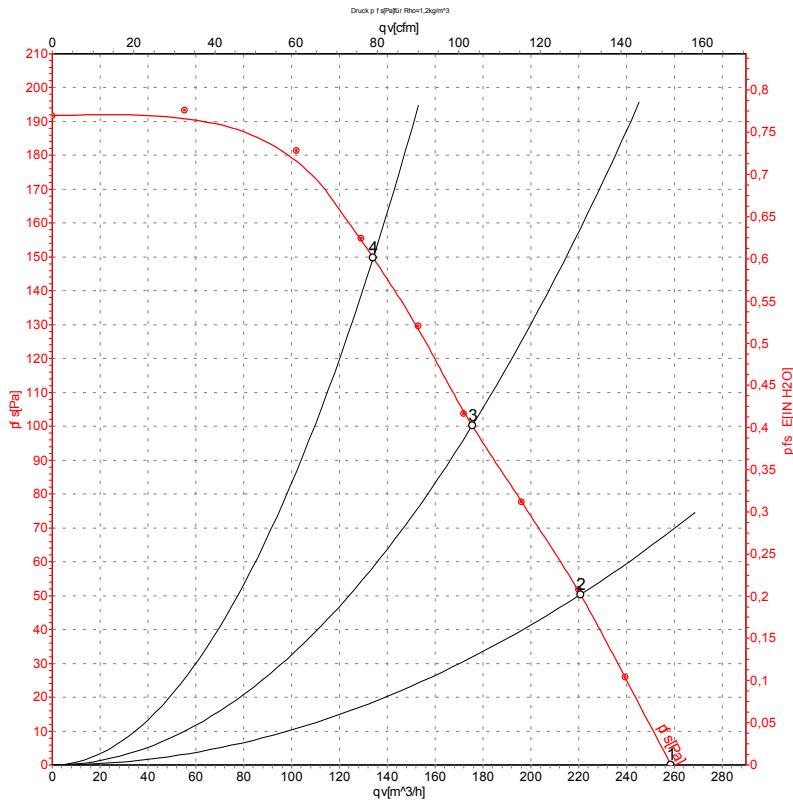
- |   |  |
|---|--|
| 1 | Centrifugal impeller (sheet steel, galvanised)                         |
| 2 | Centrifugal impeller (sheet steel, stainless)                          |
| 3 | Connection line ETFE AWG 20, 3x crimped receptacles for tabs 6.3 x 0.8 |

## Connection screen



- |    |      |   |       |    |       |
|----|------|---|-------|----|-------|
| U1 | blue | Z | brown | U2 | black |
|----|------|---|-------|----|-------|

## Charts: Air flow 50 Hz



Measurement: LU-37284

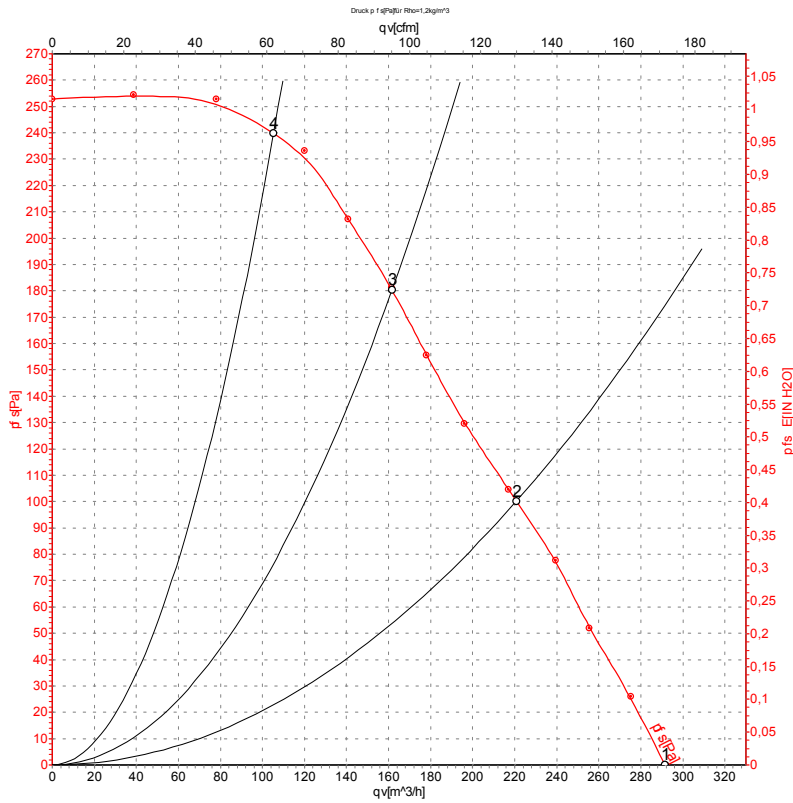
Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: LwA measured as per ISO 13347 / LpA measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

### Measured values

	U	f	n	P <sub>e</sub>	I	qv	P <sub>fs</sub>
	V	Hz	min <sup>-1</sup>	W	A	m <sup>3</sup> /h	Pa
1	230	50	2600	42	0.19	260	0
2	230	50	2605	42	0.19	220	50
3	230	50	2595	42	0.19	175	100
4	230	50	2630	41	0.18	135	150

U = Supply voltage · f = Frequency · n = Speed · P<sub>e</sub> = Power input · I = Current draw · qv = Air flow · P<sub>fs</sub> = Pressure increase

## Charts: Air flow 60 Hz



Measurement: LU-37285

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: L<sub>wA</sub> measured as per ISO 13347 / L<sub>pA</sub> measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

## Measured values

	U	f	n	P <sub>e</sub>	I	qv	P <sub>fs</sub>
	V	Hz	min <sup>-1</sup>	W	A	m <sup>3</sup> /h	Pa
1	230	60	2950	53	0.24	290	0
2	230	60	2915	53	0.24	220	100
3	230	60	2960	52	0.23	160	180
4	230	60	3080	49	0.22	105	240

U = Supply voltage · f = Frequency · n = Speed · P<sub>e</sub> = Power input · I = Current draw · qv = Air flow · P<sub>fs</sub> = Pressure increase