

for solid fuel heating systems

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Nominal data

Type	R2E150-AN91-01	
Motor	M2E068-BF	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Type of data definition		fa
Valid for approval / standard		CE
Speed (rpm)	min ⁻¹	2400
Power input	W	32
Current draw	A	0.15
Motor capacitor	µF	1
Capacitor voltage	VDB	400
Capacitor standard		S0 (CE)
Min. back pressure	Pa	0
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	75

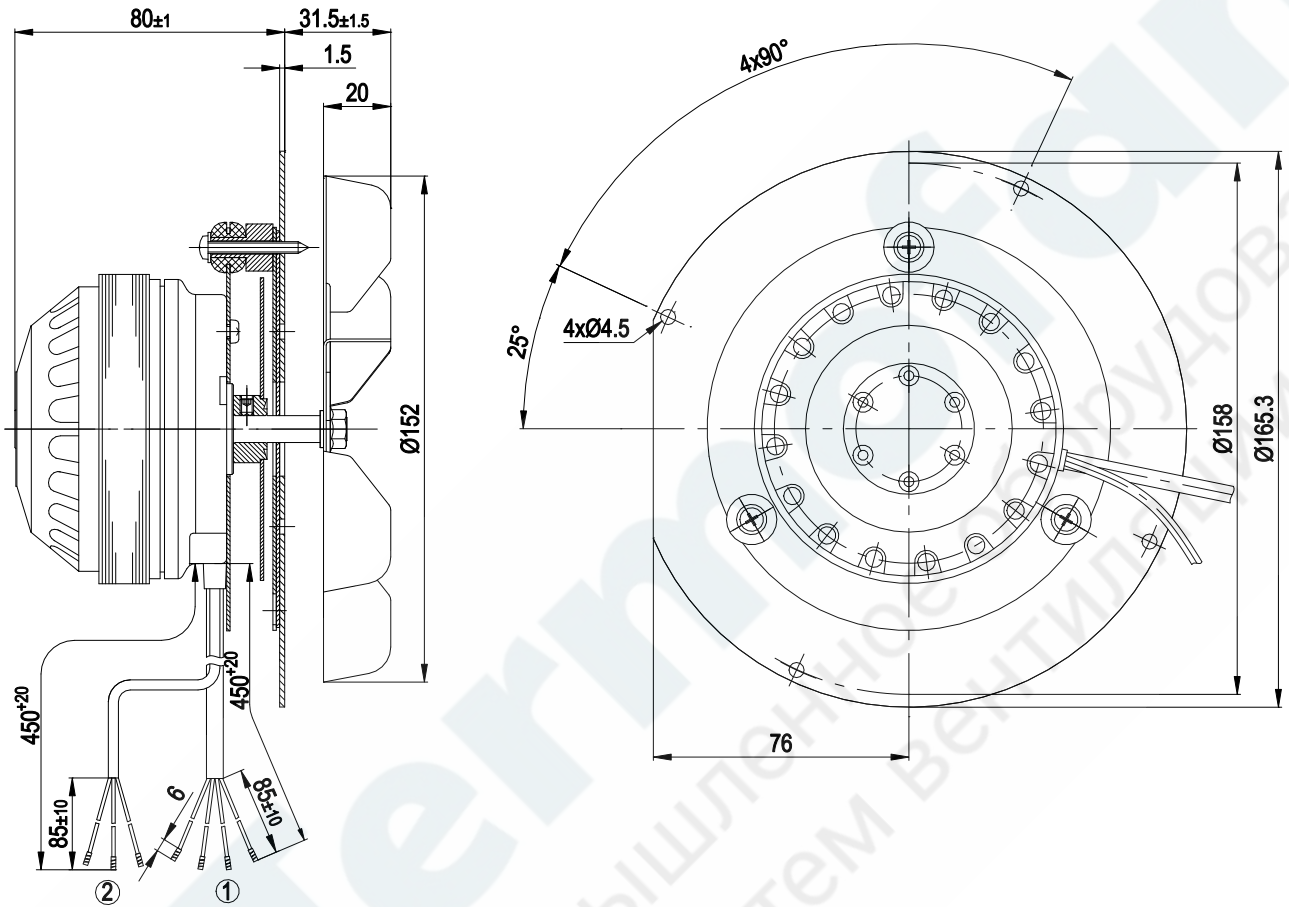
ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations



Technical features

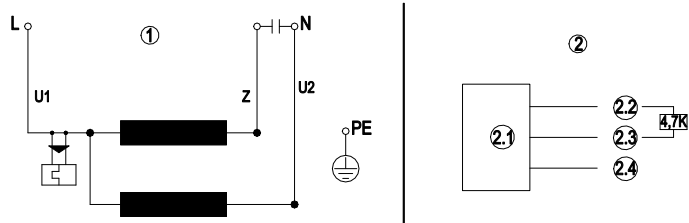
Mass	1.63 kg
Size	150 mm
Surface of rotor	Uncoated
Material of impeller	Sheet steel, stainless
Number of blades	6
Motor suspension	Motor anti-vibration mounted on one side via mounting plate
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"F"
Humidity (F)/environmental protection class (H)	H0 - dry environment
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	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	EAC

Product drawing



- | | |
|---|--|
| 1 | Connection line silicone, 4x brass lead tips crimped |
| 2 | Connection line, 3x brass lead tips crimped |

Connection screen



1	Fan connection diagram
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U1	blue
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Z	brown
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U2	black
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PE	green/yellow
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2	Hall IC circuit
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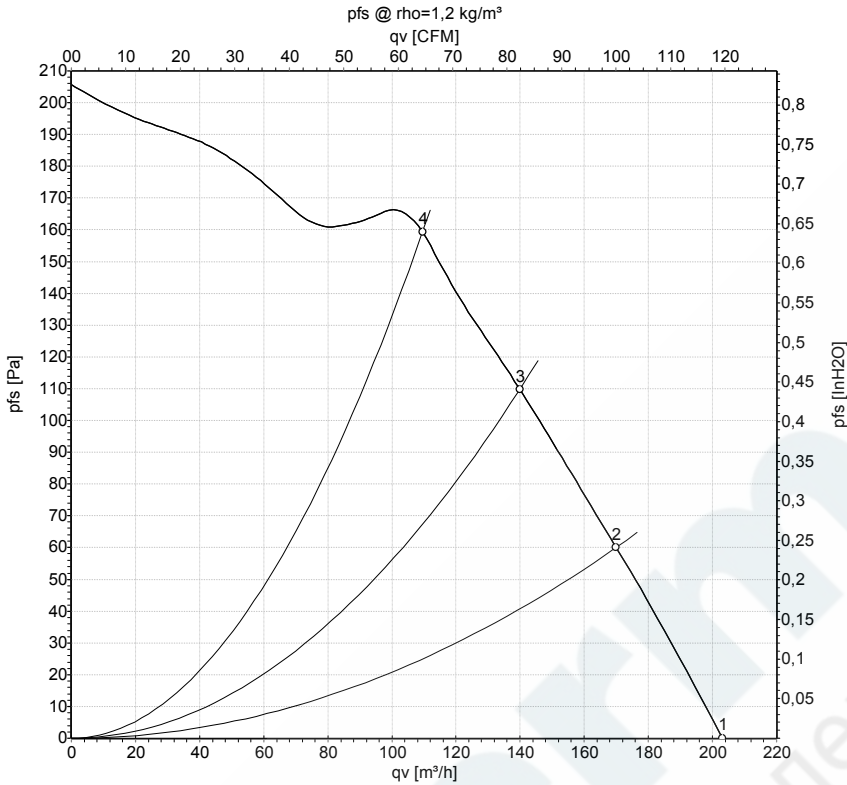
2.1	Hall IC
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2.2	red (+5V)
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2.3	white (out)
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2.4	black (0V)
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Charts: Air flow 50 Hz



Measured values

	U	f	n	P _e	I	q _v	P _{fs}	q _v	P _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa	cfm	inH ₂ O
1	230	50	2400	32	0.15	205	0	120	0.00
2	230	50	2390	31	0.14	170	60	100	0.24
3	230	50	2420	31	0.13	140	110	80	0.44
4	230	50	2485	29	0.13	110	160	65	0.64

U = Supply voltage · f = Frequency · n = Speed (rpm) · P_e = Power input · I = Current draw · q_v = Air flow · P_{fs} = Pressure increase