W4D250-GA04-05

AC axial fan

single inlet

Wall ring with guard grille

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Nominal data

Type	**W4D250-GA04-05**
Motor	**M4D068-CF**

Phase		3~	3~
Nominal voltage	[V]	400	400
Connection		Y	Y
Frequency	[Hz]	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min^{-1}]	1420	1650
Power input	[W]	30	35
Current draw	[A]	0.09	0.08
Max. back pressure	[Pa]	90	100
Max. ambient temperature	[°C]	80	80

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

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Technical features

Leackage current	< 0.75 mA
Size	250 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"
Cable exit	Lateral
Condensate discharge holes	None
Bearing motor	Ball bearing
Mass	2.5 kg
Material of impeller	Sheet steel, galvanised
Material of guard grille	Steel, phosphated and coated in black plastic
Material of wall ring	Sheet steel, galvanised
Product conforming to standard	EN 60335-1
Type of protection	IP 44
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C

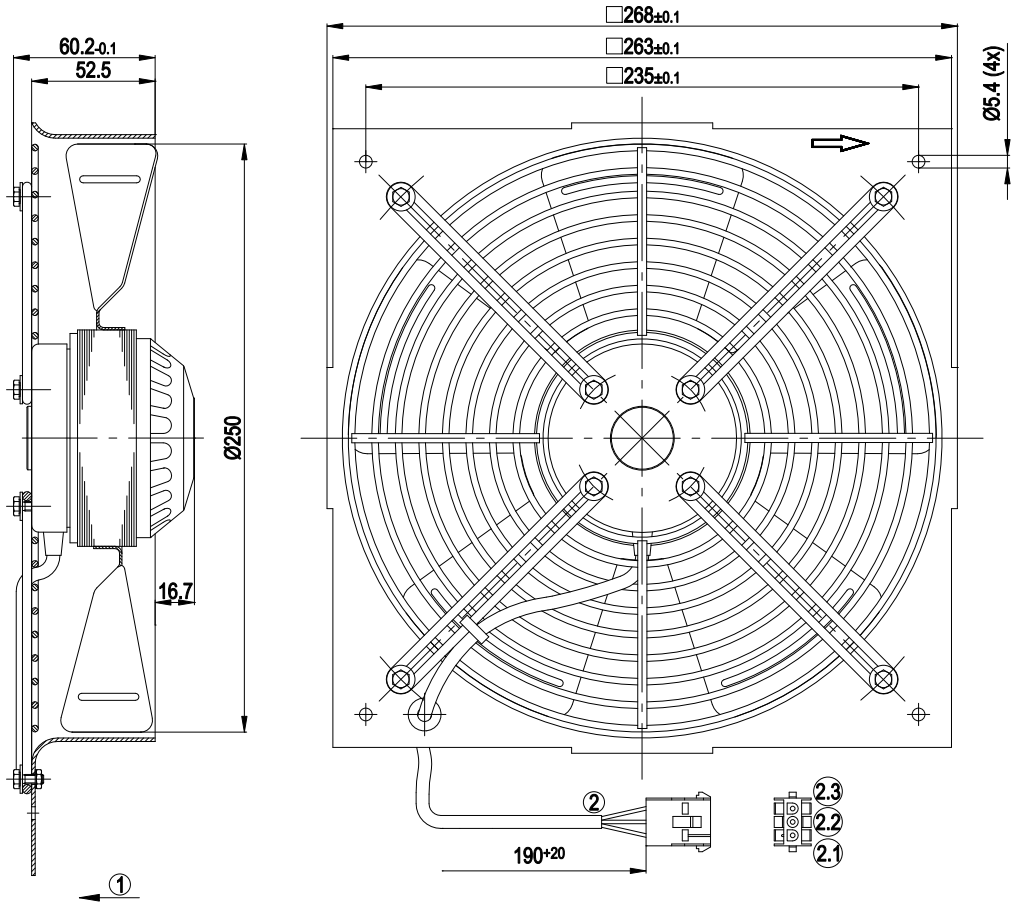
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Product drawing



1	Direction of air flow "V"
2	Connector housing 02783-4-6728, connection line A03VV - F3X0.5
2.1	L1
2.2	L2
2.3	L3

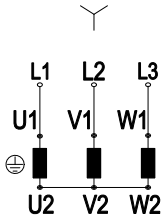
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Connection screen



L1	black	L2	blue	L3	brown
Y	Star connection				

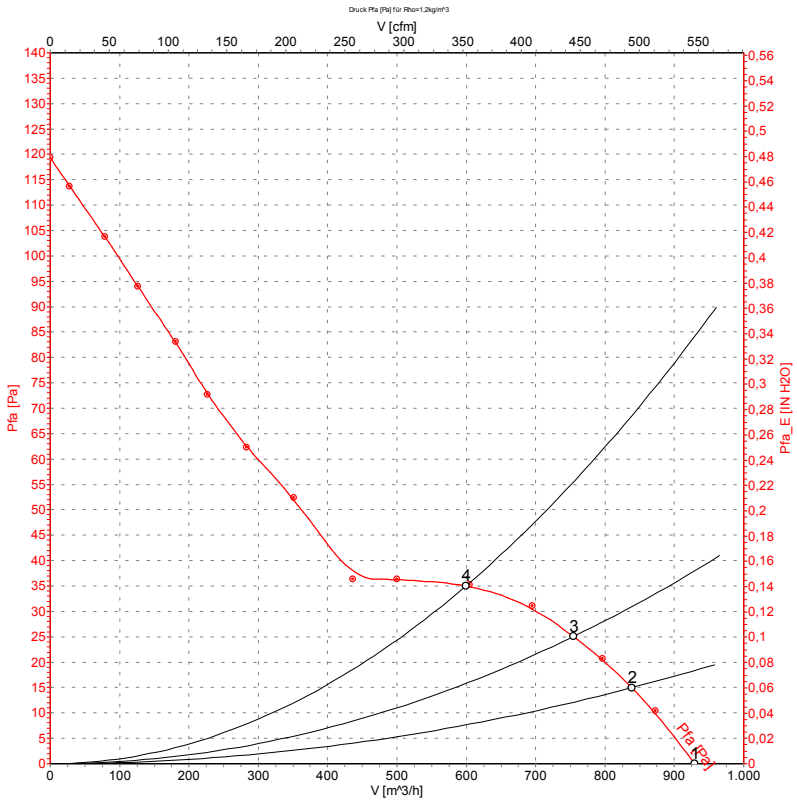
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Charts: Air flow 50 Hz



Measurement: LU-58833

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	400	50	1420	30	0.09	930	0
2	400	50	1410	34	0.10	840	15
3	400	50	1410	34	0.10	755	25
4	400	50	1405	35	0.10	600	35

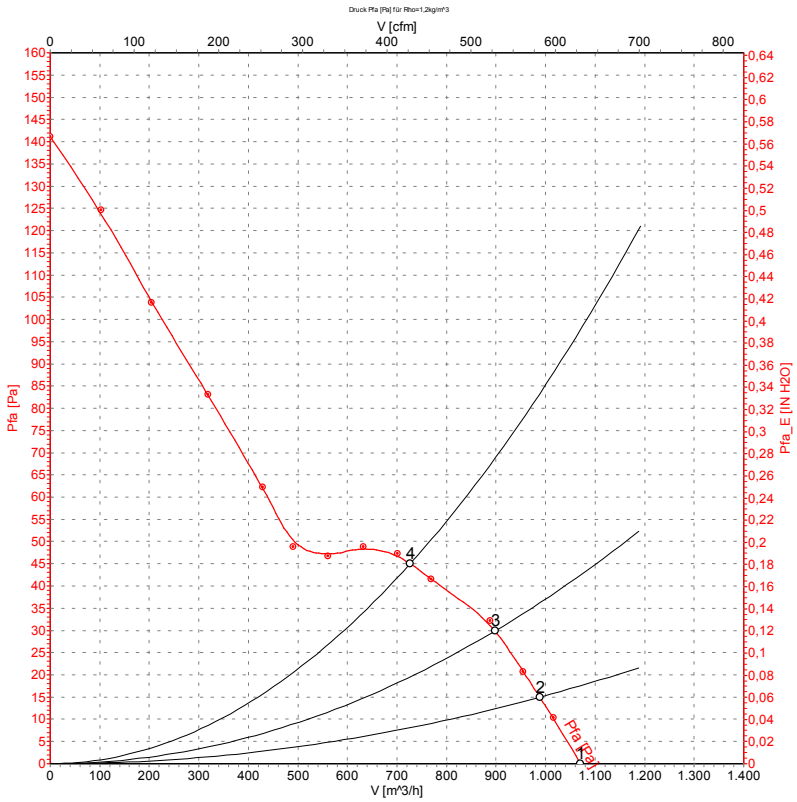
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Charts: Air flow 60 Hz



Measurement: LU-58834

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	400	60	1650	35	0.08	1070	0
2	400	60	1620	40	0.09	990	15
3	400	60	1610	42	0.09	900	30
4	400	60	1605	42	0.09	725	45

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