G4E280-CA21-01

AC centrifugal fan

forward curved, single inlet

with housing (large flange)

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Nominal data

Type	**G4E280-CA21-01**
Motor	**M4E094-HA**

Phase		1~	1~
Nominal voltage	[V]	230	230
Frequency	[Hz]	50	60
Type of data definition		ml	ml
Valid for approval / standard		CE	CE
Speed	[min^{-1}]	1100	1350
Power input	[W]	1080	990
Current draw	[A]	5.3	4.7
Motor capacitor	[µF]	12	12
Capacitor voltage	[VDB]	400	450
Min. back pressure	[Pa]	100	400
Max. ambient temperature	[°C]	60	55

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	<= 3.5 mA
Size	280 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Insulation class	"F"
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	14.55 kg
Housing material	Sheet steel, sendzimir galvanised
Material of impeller	Sheet steel, sendzimir galvanised
Motor protection	Thermal overload protector (TOP) brought out
Product conforming to standard	CE
Surface of rotor	Coated in black
Type of protection	IP 10
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C

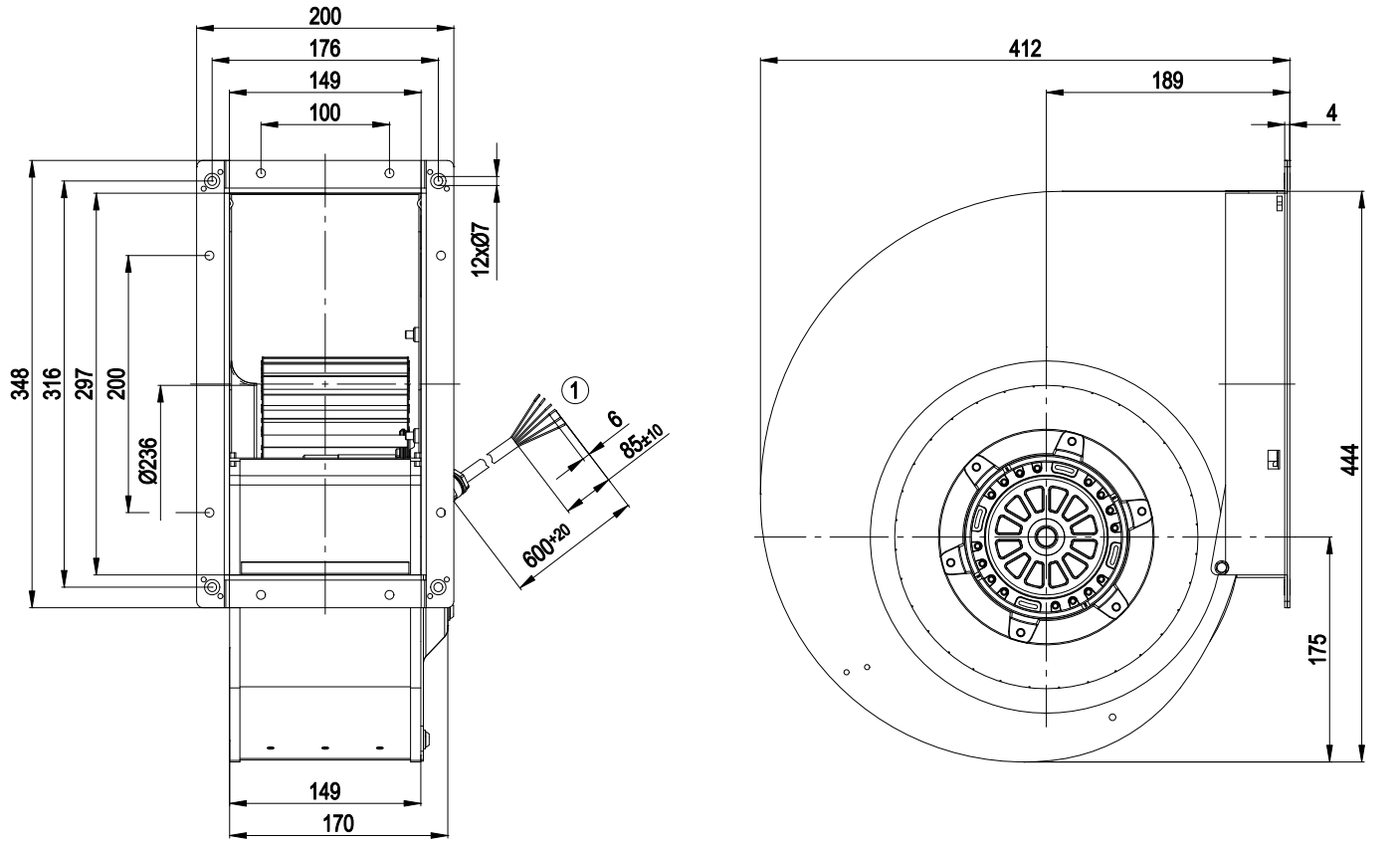
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Product drawing



1	Connection line silicone 6G0.5; 6 x brass lead tips crimped

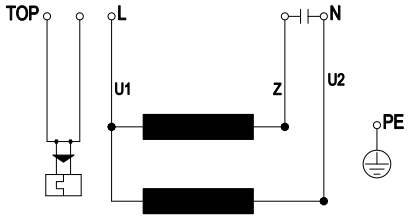
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Connection screen



Note: TOP brought out

TOP	2 x grey	U1	blue	Z	brown
U2	black	PE	green / yellow		

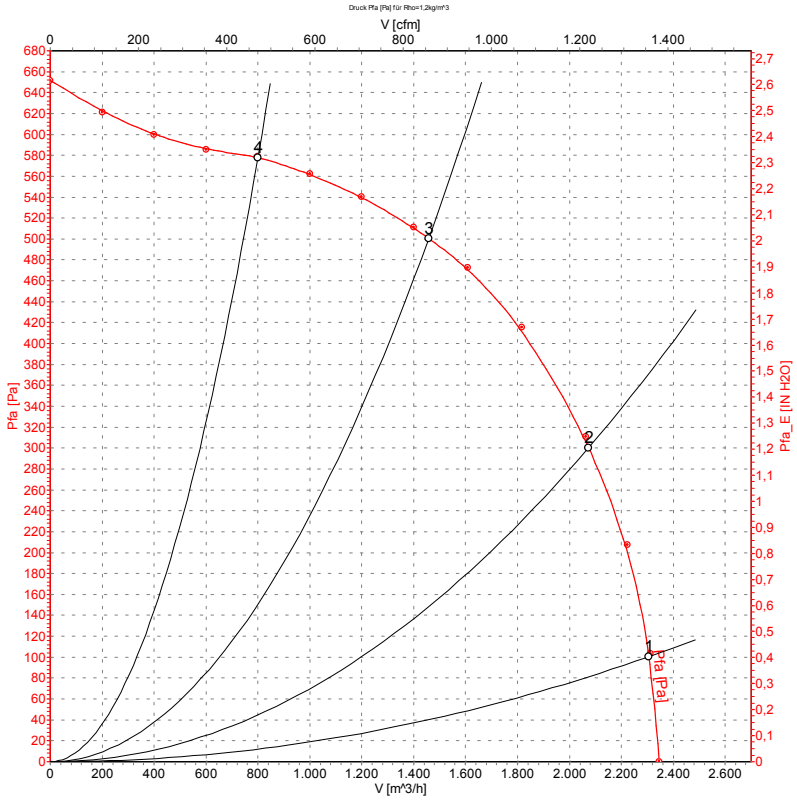
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Charts: Air flow 50 Hz



Measurement: LU-67652

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	230	50	1100	1080	5.30	2300	100
2	230	50	1245	858	4.26	2075	300
3	230	50	1370	593	3.14	1460	500
4	230	50	1420	437	2.68	800	575

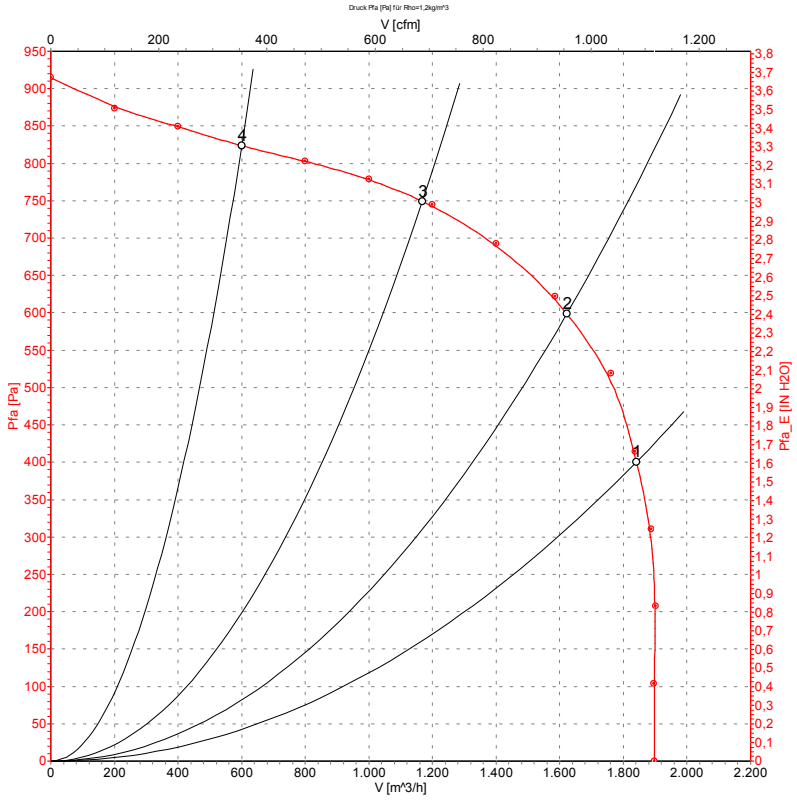
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Charts: Air flow 60 Hz



Measurement: LU-67653

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	230	60	1350	990	4.70	1830	400
2	230	60	1500	847	3.85	1620	600
3	230	60	1625	655	2.92	1165	750
4	230	60	1690	502	2.24	600	825

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