

KARTA KATALOGOWA

G2E140-AE77-01

Dmuchawa promieniowa AC, łopatki zakrzywione do przodu, jednostronnie ssąca, w obudowie

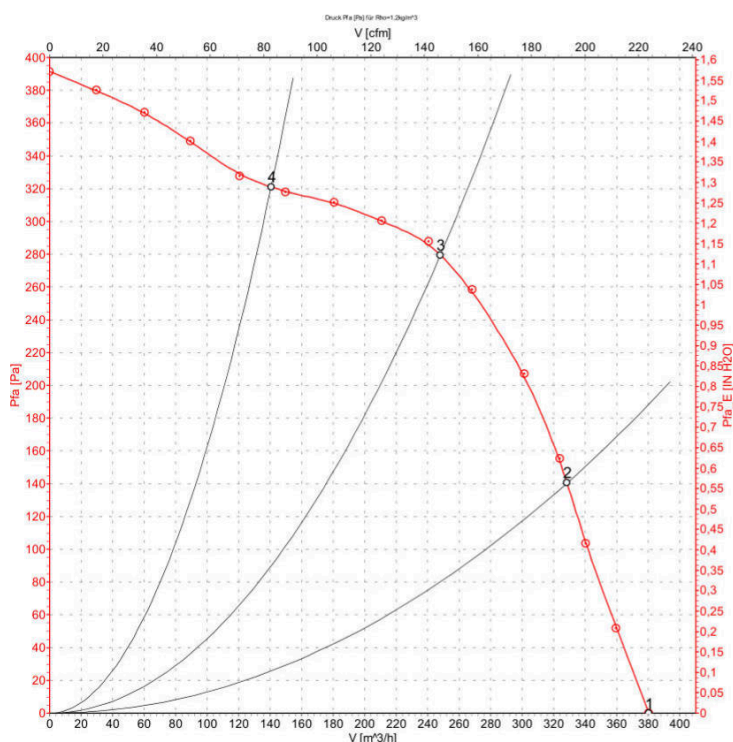
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	140 mm
Częstotliwość	50/60 Hz	Materiał wirnika	stal ocynkowana
Prędkość obrotowa	1400 / 1500 obr/min	Stopień ochrony	IP44
Pobór mocy	105 / 115 W	Klasa izolacji	B
Pobór prądu	0,46 / 0,51 A	Zabezpieczenie silnika	termik (TOP)
Kondensator	2 µF / 450 V	Masa	2,6 kg
Maks. temp. otoczenia	+40 °C / +35 °C		
Maks. wydajność	370 m³/h		
Maks. ciśnienie statyczne	330 Pa		

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



Measurement: LU-79019

Dane na podstawie karty producenta ebm-papst (oryginał na kolejnych stronach).
Wartości dla 50 Hz / 60 Hz; producent zastrzega możliwość zmian.

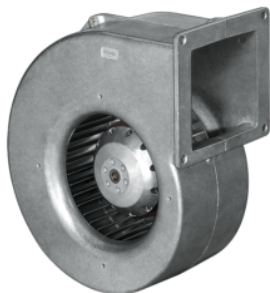
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G2E140-AE77-01

AC centrifugal fan

forward curved, single inlet
with housing (flange)


ebm-papst Mulfingen GmbH & Co. KG

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Nominal data

Type	G2E140-AE77-01		
Motor	M2E068-BF		
Phase		1~	
Nominal voltage	[V]	230	230
Frequency	[Hz]	50	60
Type of data definition		rfa	ml
Valid for approval / standard		CE	CE
Speed	[min ⁻¹]	1400	1500
Power input	[W]	105	115
Current draw	[A]	0.46	0.51
Motor capacitor	[μF]	2	2
Capacitor voltage	[VDB]	450	450
Min. back pressure	[Pa]	0	50
Max. ambient temperature	[°C]	40	35

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

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AC centrifugal fan

forward curved, single inlet
with housing (flange)

Technical features

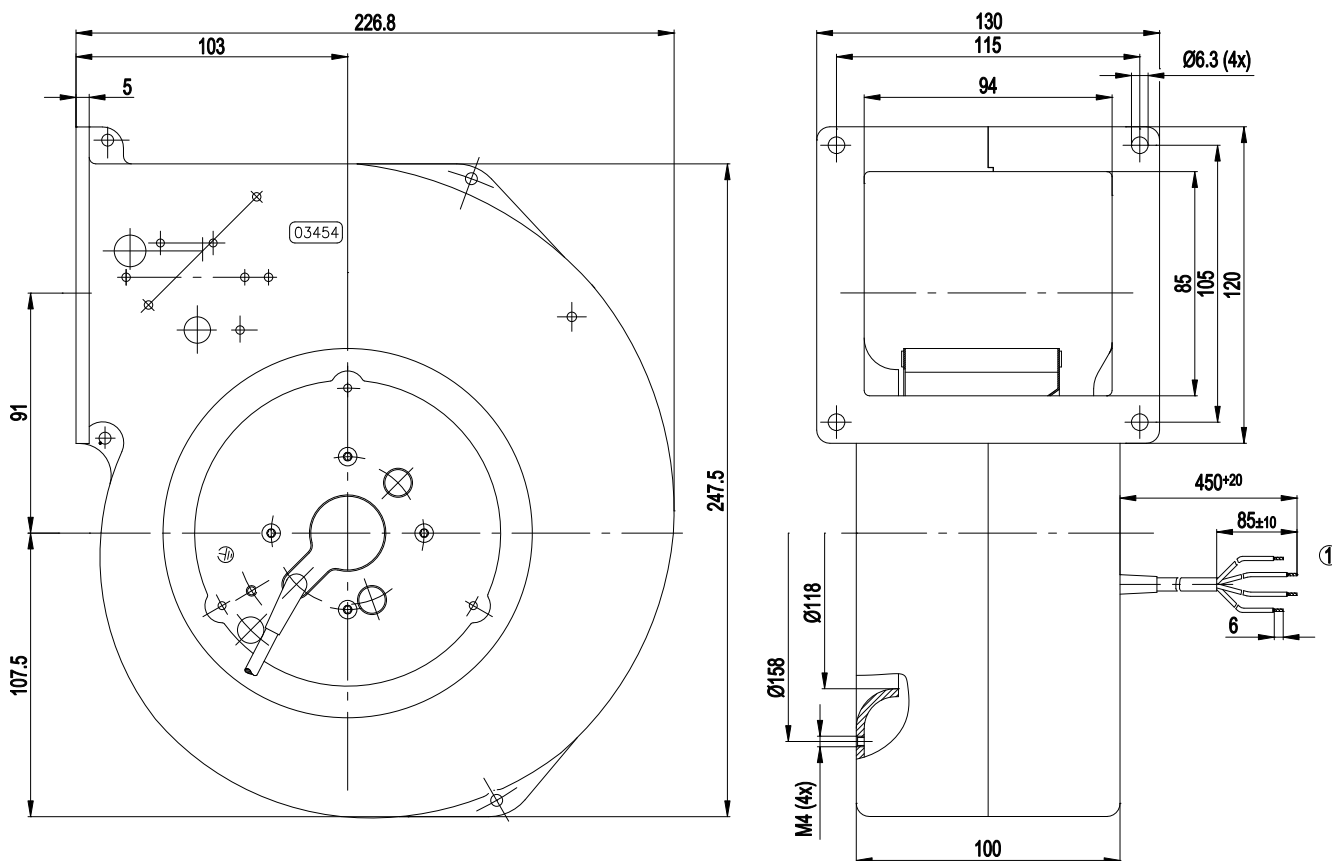
Leackage current	< 0.75 mA
Size	140 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Humidity class	F0
Insulation class	"B"
Condensate discharge holes	None
Bearing motor	Ball bearing
Mass	2.6 kg
Housing material	Die-cast aluminum
Material of impeller	Sheet steel, hot-galvanised
Motor protection	Thermal overload protector (TOP) wired internally
Product conforming to standard	CE; EN 60335-1
Type of protection	IP 44; Depending on installation and position
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC

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AC centrifugal fan

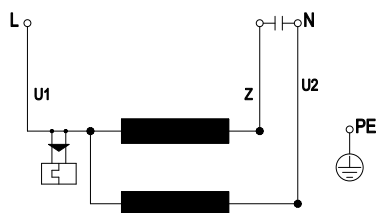
forward curved, single inlet
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Product drawing



1 Connection line PVC 4G 0.5 mm², 4 x brass lead tips crimped

Connection screen



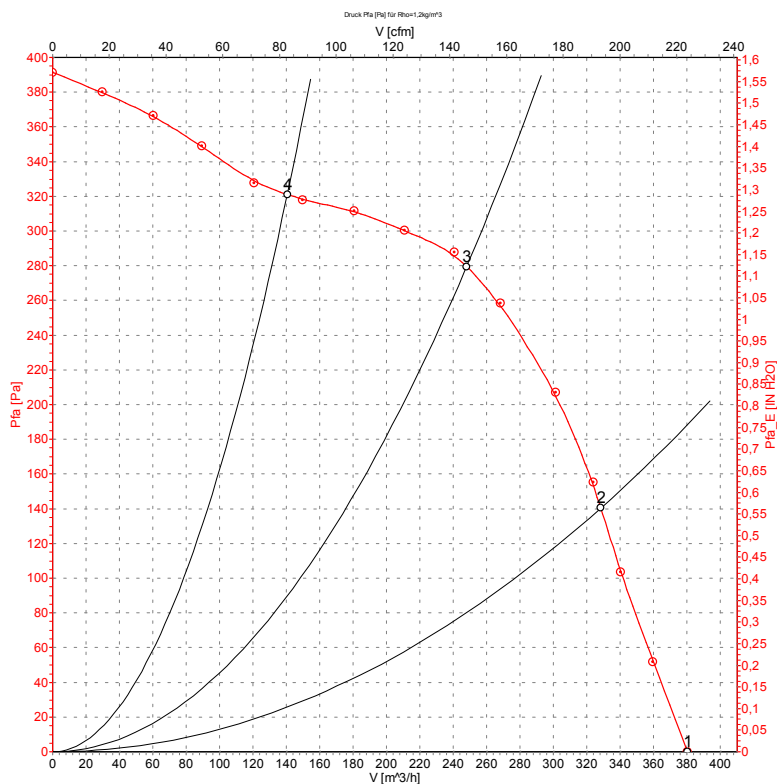
U1	blue	Z	brown	U2	black
PE	green/yellow				

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AC centrifugal fan

forward curved, single inlet
with housing (flange)

Charts: Air flow 50 Hz



Measurement: LU-79019

Measured values

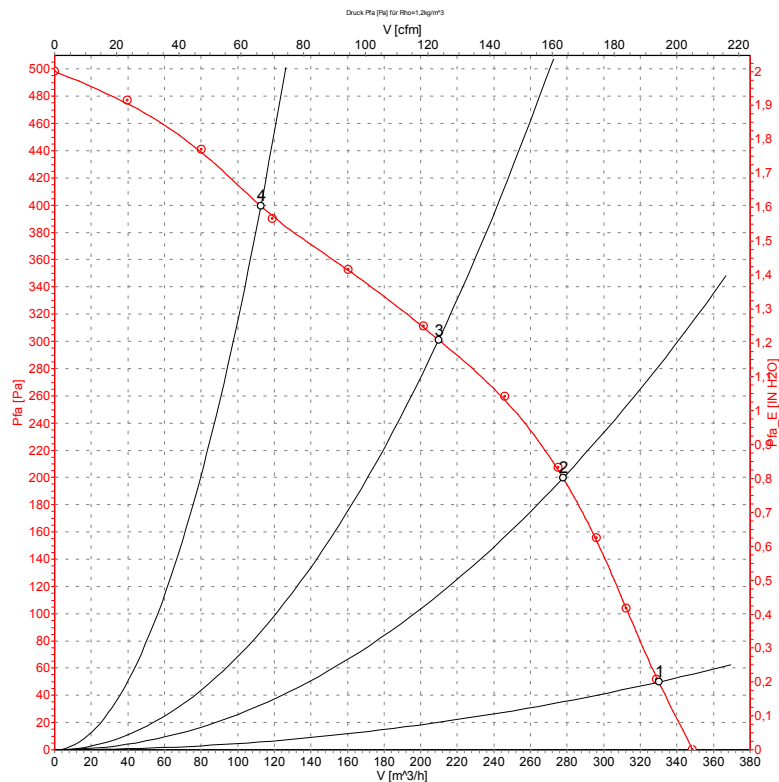
	U	f	n	P_1	I	$\dot{V}$	P_{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	50	1400	105	0.46	380	0
2	230	50	1760	94	0.41	330	140
3	230	50	2120	85	0.37	250	280
4	230	50	2445	74	0.33	140	320

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AC centrifugal fan

forward curved, single inlet
with housing (flange)

Charts: Air flow 60 Hz



Measurement: LU-79020

Measured values

	U	f	n	P_1	I	$\dot{V}$	P_{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	60	1500	115	0.51	330	50
2	230	60	1840	106	0.46	280	200
3	230	60	2300	101	0.44	210	300
4	230	60	2740	91	0.40	115	400