

EC centrifugal blowers

dual inlet, Ø 318 (12")

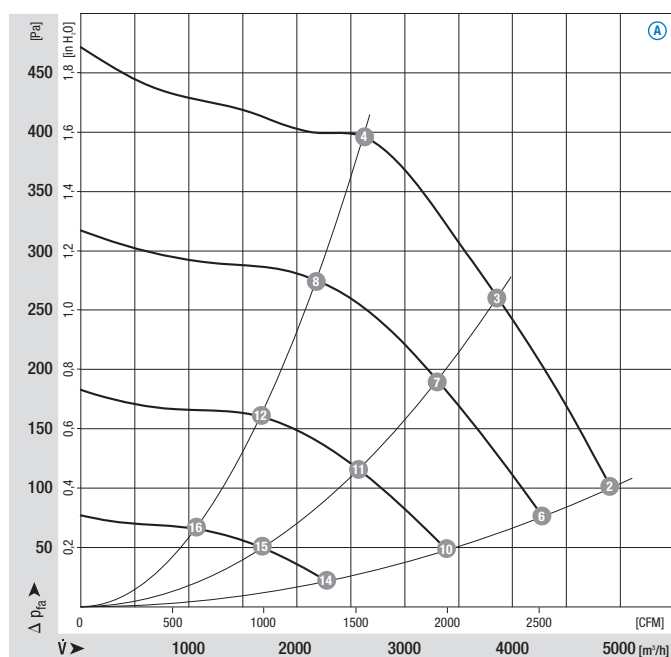


- **Material:** Housing: Galvanised sheet steel
Impeller: Galvanised sheet steel
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Curve	Nominal voltage	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Min. back pressure	Perm. amb. temp.	Electr. connection
Type	Motor		VAC	Hz	rpm	W	A	Pa	°C	p. 44
D3G 318	M3G 112-GA	Ⓐ	3~ 400	50/60	880	1000	1,80	100	-25..+40	L4)

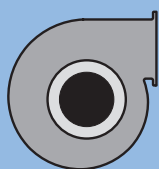
subject to alterations (1) Nominal data in operating point with maximum load

Curves



	n [rpm]	P ₁ [W]	I [A]	L _{wA} [dB(A)]
Ⓐ 1	---	---	---	---
Ⓐ 2	880	1000	1,80	83
Ⓐ 3	970	797	1,31	79
Ⓐ 4	1065	568	0,99	75
Ⓐ 5	---	---	---	---
Ⓐ 6	775	635	1,08	79
Ⓐ 7	840	487	0,88	75
Ⓐ 8	905	335	0,66	71
Ⓐ 9	---	---	---	---
Ⓐ 10	620	323	0,64	73
Ⓐ 11	660	240	0,50	69
Ⓐ 12	695	158	0,35	64
Ⓐ 13	---	---	---	---
Ⓐ 14	420	105	0,26	62
Ⓐ 15	440	78	0,21	57
Ⓐ 16	455	55	0,18	53

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
 - Output 10 VDC max. 10 mA
 - Alarm relay
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
Harmonics acc. to EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** CE
- **Approvals:** VDE, UL, CSA; CCC, GOST is applied for
 - Line undervoltage detection
 - Motor current limitation
 - Over-temperature protected electronics / motor
 - Locked-rotor protection
 - Soft start



Mass of
centrifugal blower

Centrifugal blower
with flange

kg

D3G 318-AA35 -01

20,8

