

EC centrifugal blowers

dual inlet, Ø 318 (12")



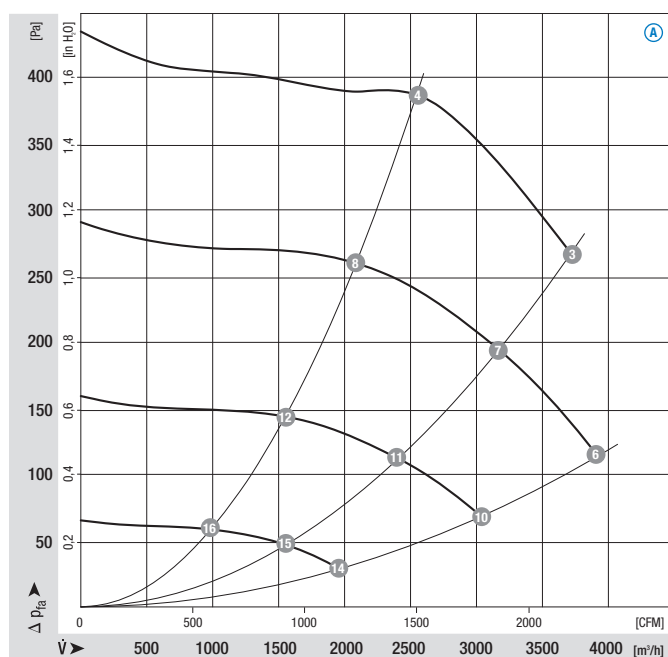
- **Material:** Housing: Galvanised sheet steel
Impeller: Galvanised sheet steel
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal
- **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. 43
D3G 318	M3G 112-GA	Ⓐ	1~ 230	50/60	960	750	3,40	260	-25..+40	L3)

subject to alterations

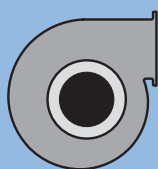
(1) Nominal data in operating point with maximum load

Curves



	n [rpm]	P ₁ [W]	I [A]	L _{wA} [dB(A)]
Ⓐ 1	---	---	---	---
Ⓐ 2	---	---	---	---
Ⓐ 3	960	750	3,40	78
Ⓐ 4	1050	548	2,49	74
Ⓐ 5	---	---	---	---
Ⓐ 6	780	563	2,56	78
Ⓐ 7	830	450	2,07	74
Ⓐ 8	885	297	1,39	70
Ⓐ 9	---	---	---	---
Ⓐ 10	610	262	1,22	71
Ⓐ 11	630	205	0,97	67
Ⓐ 12	660	140	0,73	63
Ⓐ 13	---	---	---	---
Ⓐ 14	400	82	0,46	59
Ⓐ 15	410	66	0,37	55
Ⓐ 16	425	50	0,28	51

- **Technical features:**
 - PFC (active)
 - Control input 0-10 VDC / PWM
 - Output 10 VDC max. 10 mA
 - Alarm relay
- **EMC:** Interference emission acc. to EN 61000-6-4
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:** 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-AA37 -11

20,8

