

EC centrifugal blowers

dual inlet, Ø 318 (12")



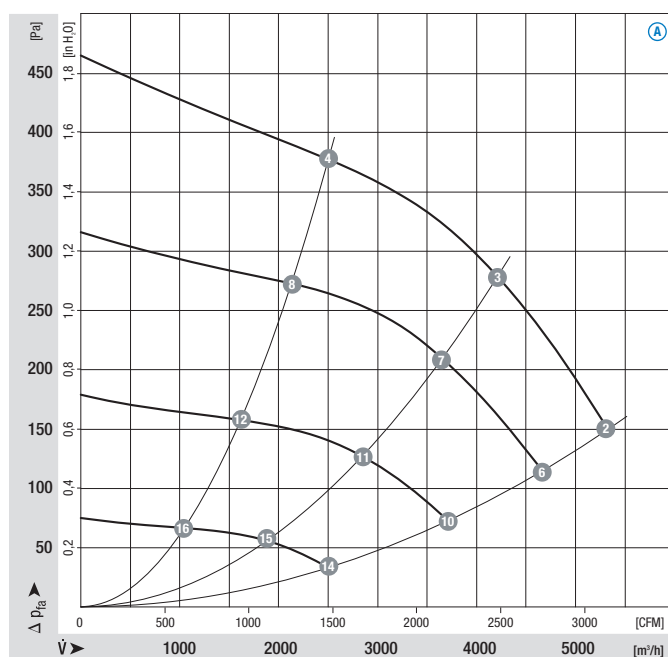
- **Material:** Housing: Galvanised sheet steel
Impeller: Galvanised sheet steel
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal
- **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	1,70	150	-25..+40	L4)

subject to alterations

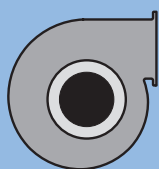
(1) Nominal data in operating point with maximum load

Curves



	n [rpm]	P ₁ [W]	I [A]	Lw _A [dB(A)]
Ⓐ 1	---	---	---	---
Ⓐ 2	880	1000	1,70	62
Ⓐ 3	960	813	1,36	62
Ⓐ 4	1065	554	0,97	62
Ⓐ 5	---	---	---	---
Ⓐ 6	770	645	1,10	77
Ⓐ 7	830	505	0,93	73
Ⓐ 8	900	332	0,65	70
Ⓐ 9	---	---	---	---
Ⓐ 10	615	329	0,65	71
Ⓐ 11	650	248	0,51	66
Ⓐ 12	690	157	0,35	63
Ⓐ 13	---	---	---	---
Ⓐ 14	420	108	0,26	60
Ⓐ 15	435	82	0,22	55
Ⓐ 16	450	56	0,18	51

- **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-BB35 -01

22,4

