

EC centrifugal blowers

dual inlet, Ø 160



- **Material:** Housing: Galvanised sheet steel
Impeller: Galvanised sheet steel
Rotor: Galvanised
Electronics enclosure: Die-cast aluminium
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal; rotor on top or rotor on bottom on request
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

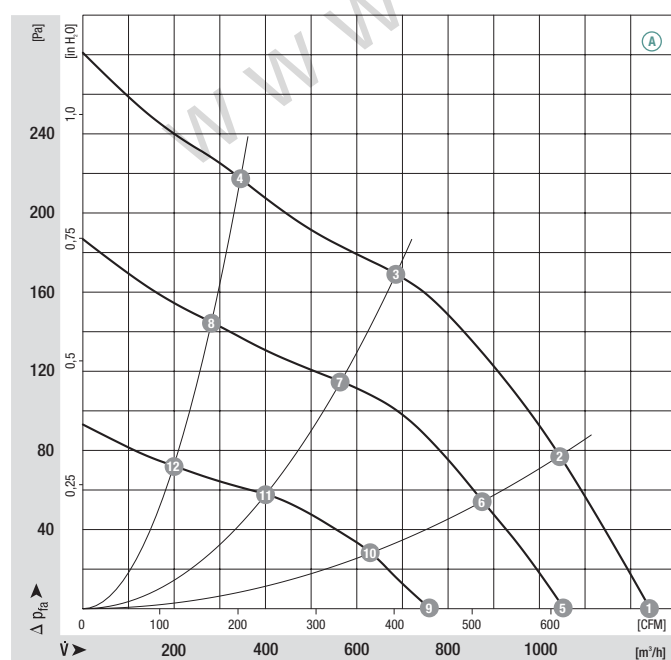
Nominal data

Type	Motor	Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Min. back pressure	Perm. amb. temp.	Electr. connection
			VAC	Hz	rpm	W	A	Pa	°C	p. 603
D3G 160	M3G 074-CF	Ⓐ	1~ 200-277	50/60	1390	154	1.20	0	-25 to +60	J1)

subject to alterations

(1) Nominal data in operating point with maximum load and 230 VAC

Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	1390	154	1.20	64	—
Ⓐ 2	1440	129	1.00	61	53
Ⓐ 3	1540	93	0.70	57	60
Ⓐ 4	1590	63	0.50	56	47
Ⓐ 5	1180	96	0.70	59	—
Ⓐ 6	1220	79	0.60	56	52
Ⓐ 7	1270	54	0.40	52	57
Ⓐ 8	1310	37	0.30	51	44
Ⓐ 9	860	40	0.30	51	—
Ⓐ 10	890	34	0.30	47	45
Ⓐ 11	910	24	0.20	43	45
Ⓐ 12	930	18	0.20	42	31

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-1
Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 60950-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, EN 61800-5-1, EN 60950-1, CE
- **Approvals:** UL, CSA; CCC, GOST are applied for
- Output 10 VDC max. 1.1 mA
- Tach output
- Over-temperature protected electronics / motor



Mass of
centrifugal blower

Centrifugal blower
without flange

kg

D3G 160-BF60 -01

4.9

