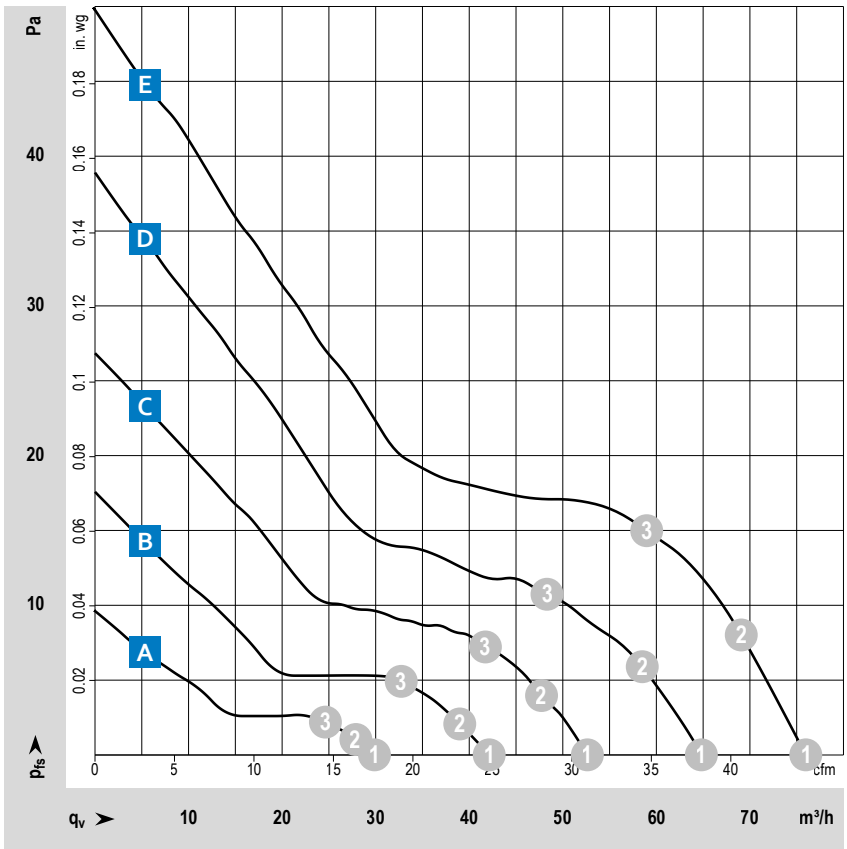
VWCD080Y...

DC axial fan · max. 75 m³/h · ☐ 80 x 25 mm



from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.
Noise: Total sound $p_s$wer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
For detailed information see http://www.ebmpapst.com/general conditions

Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings or ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup:
  Via single wires AWG 24
- Electrical protection class: III
- Weight: 95 g

Approvals

- 12 and 24 VDC: DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA
- 48 VDC: DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Degree of protection: up to IP68

Special features

- Some fan types suitable for use at high ambient temperatures up to 85 °C.

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PC} (40 °C) s. p. 11
		VDC	VDC			m³/h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCD080YJEES 8414 NGL	9292506106	24	18...28	A	1 2 3	29.9 27.4 23.5	17.6 16.1 13.8	1 500 1 490 1 490	0.9 0.9 0.9	3.2 3.2 3.2	12	-20...+70	80 000	135 000
VWCD080YJEGS 8414 NL	9292506142	24	18...28	A	1 2 3	29.0 27.1 23.9	17.1 16.0 14.1	1 500 1 500 1 490	0.8 0.8 0.9	3.2 3.2 3.2	17	-20...+70	80 000	135 000
VWCD080YJEFS 8414 NGML	9292506108	24	18...28	B	1 2 3	41.5 38.1 32.9	24.4 22.4 19.4	2 050 2 050 2 040	1.3 1.3 1.3	3.6 3.7 3.7	19	-20...+70	80 000	135 000
VWCD080YJEFS 8414 NML	9292506144	24	18...28	B	1 2 3	42.1 38.3 33.0	24.8 22.5 19.4	2 050 2 040 2 020	1.0 1.0 1.0	3.6 3.7 3.7	21	-20...+70	80 000	135 000
VWCD080YJEGS 8414 NGM	9292506107	24	18...28	C	1 2 3	51.0 46.8 39.3	30.0 27.5 23.1	2 600 2 590 2 580	1.4 1.4 1.4	4.2 4.2 4.2	26	-20...+70	80 000	135 000
VWCD080YJEGS 8414 NM	9292506143	24	18...28	C	1 2 3	51.0 46.4 39.0	30.0 27.3 23.0	2 600 2 580 2 570	1.3 1.3 1.3	4.2 4.2 4.2	27	-20...+70	80 000	135 000
VWCD080YJEGS 8414 NG	9292506109	24	18...28	D	1 2 3	64.0 57.0 47.0	37.7 33.5 27.7	3 100 3 080 3 090	1.9 1.9 1.9	4.7 4.7 4.7	32	-20...+70	70 000	117 500
VWCD080YJEGS 8414 N	9292506126	24	18...28	D	1 2 3	65.0 59.0 49.0	38.3 34.7 28.8	3 100 3 070 3 080	1.9 1.9 1.9	4.7 4.7 4.7	32	-20...+70	70 000	117 500
VWCD080YJEHS 8414 NH	9292506124	24	18...26	E	1 2 3	75.0 69.0 59.0	44.1 40.6 34.7	3 600 3 550 3 540	2.2 2.2 2.3	5.1 5.0 5.0	37	-20...+70	70 000	117 500
VWCD080YKEGS 8418 N	9292506289	48	36...56	D	1 2 3	65.0 59.0 49.0	38.3 34.7 28.8	3 100 3 070 3 080	2.1 2.1 2.1	4.7 4.7 4.7	32	-20...+70	70 000	117 500

Subject to changes. More types in 12 VDC on the previous page

Technical drawing

Dimensions in mm

