max. 33 m³/h

DC axial fans

☐ 60 x 15 mm

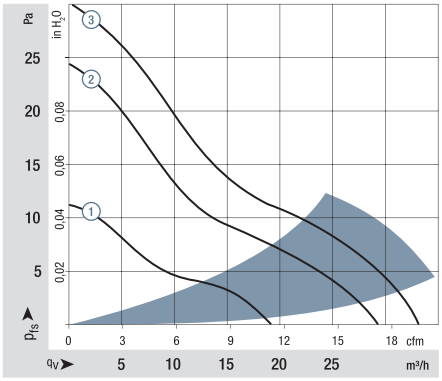
- **Material:** Housing: GRP[1] (PBT)
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Connection:** Via single wires AWG 28, TR 64
- **Highlights:** Some models are suitable for use at high ambient temperatures
- **Mass:** 30 g

- **Possible special versions:**
  (See chapter DC fans - specials)
  - Speed signal
  - Go- / NoGo-alarm
  - PWM control input
  - Humidity protection

1) Fibreglass-reinforced plastic

Series 600 F **Nominal data**	Air flow	Air flow	**Nominal voltage**	Voltage range	Sound pressure level	Sound power level	Sintec sleeve bearings Ball bearings	Input power	Nominal speed	Temperature range	Service life L_{10} (20 °C) ebm-papst Standard Service life L_{10} (60 °C) ebm-papst Standard	Life expectancy L_{10IPC} (40 °C) see page 17	Curve
Type	**m³/h**	**cfm**	**VDC**	**VDC**	**dB(A)**	**Bel(A)**	**□ / ■**	**Watts**	**rpm**	**°C**	**Hours**	**Hours**	
605 F	29	17,1	**5**	4,5...5,2	27	4,4	■	1,1	4 000	-20...+50	50 000 / 20 000	52 500	②
612 FL	19	11,2	**12**	11,5...13,2	16	3,6	■	0,4	2 650	-20...+70	50 000 / 20 000	52 500	①
612 F	29	17,1	**12**	10,8...13,2	27	4,4	■	1,0	3 900	-20...+70	50 000 / 20 000	52 500	②
612 FH	33	19,4	**12**	10,0...13,2	31	4,8	■	1,5	4 500	-20...+60	45 000 / 17 500	47 500	③
614 F	29	17,1	**24**	21,6...26,4	27	4,4	■	1,1	3 900	-20...+70	50 000 / 20 000	52 500	②
614 F/39 H-691	33	19,4	**24**	16...28	31	4,8	■	1,4	4 500	-20...+60	45 000 / 17 500	47 500	③
Model with temperature range up to +80 / 85 °C.													
612 FL-680	19	11,2	**12**	11,5...14	16	3,6	■	0,5	2 650	-20...+85	50 000 / 20 000	52 500	①
612 F-637	29	17,1	**12**	10,8...12,6	27	4,4	■	1,0	3 900	-20...+80	50 000 / 20 000	52 500	②

Subject to alterations



Air performance measured as per: ISO 5801,
Installation category A, without accidental contact.
Noise: Total sound power level L_{WA} ISO 103002
measured on half-sphere of 2 m;
Sound pressure level L_{pA} measured at 1 m distance to fan axis.
The acoustic values are only valid for the described measurement set-up and may vary depending on the installation situation.
In case of any deviation to the standard setup, the values have to be checked and reviewed once installed or fitted.
For detailed information see
http://www.ebmpapst.com/general conditions