

max. 117 m<sup>3</sup>/h

# DC axial fans

Series 8450 80 x 80 x 25 mm



### Highlights:

- Highly stable characteristic curve for high air flow at high back pressure.
- Motor with very low structure-borne noise properties.
- Innovative impeller with winglets for low noise.
- Extremely quiet Sintec sleeve bearing / ball bearing.
- Models with PWM control and open collector speed signal.

### General characteristics:

- Material: fibreglass-reinforced plastic. Impeller PA, housing PBT.
- Fully integrated electronic commutation.
- Protected against reverse polarity and locking.
- Connection via single strands AWG 24, TR 64. Bared and tin-plated.
- Air exhaust over struts. Direction of rotation counter-clockwise, seen on rotor.
- Mass: 105 g.

Nominal data		Air flow	Air flow	Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sintec sleeve bearings Ball bearings	Power input	Nominal speed	Temperature range	Service life L <sub>10</sub> (40 °C) ebm-papst Standard	Service life L <sub>10</sub> (T <sub>max</sub> ) ebm-papst Standard	Life expectancy L <sub>10</sub> Δ (40 °C) see P. 15	Curve	Specials
Type		m <sup>3</sup> /h	CFM	VDC	VDC	dB(A)	Bel(A)	□ / ■	Watts	RPM	°C	Hours	Hours			
8452 GL		32	18,8	12	8...15	14	3,3	□	0,4	1 700	-20...75	80 000 / 35 000	160 000	1		
8452 GM		58	34,1	12	8...15	32	4,7	□	1,3	3 100	-20...75	80 000 / 35 000	160 000	2		
8452 GN		68	40,0	12	8...15	36	5,0	□	1,8	3 600	-20...70	70 000 / 35 000	140 000	3		
Models with 25 kHz PWM control and speed signal to 4-wire specification (see P. 121).																
8452 /2 GHP		75	44,1	12	10,8...13,2	38	5,3	□	2,5	4 000	-20...70	70 000 / 35 000	140 000	4		
8452 /2 GHHP		83	48,8	12	10,8...13,2	42	5,5	□	3,5	4 400	-20...60	65 000 / 40 000	130 000	5		
Models with 1-30 kHz PWM control and speed signal.																
NEW	8452 /2 H4P	117	68,8	12	8...15	50	6,4	■	6,8	6 200	-20...70	60 000 / 30 000	120 000	6		
NEW	8454 /2 H4P	117	68,8	24	20,0...26,4	50	6,4	■	6,8	6 200	-20...70	60 000 / 30 000	120 000	6		

