## DC Axial Fans

Series 4400 F 119 x 119 x 25 mm



- DC fans with electronically commutated external rotor motor.
   Fully integrated commutation electronics.
- With electronic protection against reverse polarity, blocking and overloading by PTC-resistor; partially impedance protected.
- Fan of fibreglass reinforced plastic. PBTP housing, PA impeller.
- Air exhaust over struts. Rotational direction CCW looking at rotor.
- Electrical connection via 2 leads AWG 24, TR 64. Stripped and tinned ends.
- Mass 175 g.

## ebm-papst . St. Georgen

4412 FGL 94 55.3 12 714 26 3.9 □ 1.25 1 600 -20+75 80 000 / 35 000 1 /2  4412 FGML 114 67.1 12 712.6 32 4.3 □ 2.0 1 950 -20+75 75 000 / 32 500 2 /2; /12  4412 FML 114 67.1 12 712.6 32 4.3 □ 2.0 1 950 -20+75 75 000 / 32 500 2 /2; /12  4412 FGM 140 82.4 12 712.6 38 4.8 □ 3.2 2 400 -20+75 70 000 / 30 000 3 /12  4412 FM 140 82.4 12 712.6 38 4.8 □ 3.2 2 400 -20+75 70 000 / 30 000 3 /2  4412 FM 140 82.4 12 712.6 38 4.8 □ 3.2 2 400 -20+75 70 000 / 30 000 3 /2  4412 FG 170 100.1 12 812.6 43 5.3 □ 5.3 2 900 -20+60 60 000 / 37 500 4  4412 F 170 100.1 12 812.6 43 5.3 □ 5.3 2 900 -20+60 60 000 / 37 500 4 /2  4414 FL 94 55.3 24 1828 26 3.9 □ 1.0 1 600 -20+75 80 000 / 35 000 1 /2  4414 FM 140 82.4 24 1228 38 4.8 □ 3.2 2 400 -20+75 70 000 / 30 000 3 /2  4414 FG 170 100.1 24 1228 43 5.3 □ 5.0 2 900 -20+60 60 000 / 37 500 4 /2  4414 FG 170 100.1 24 1228 43 5.3 □ 5.0 2 900 -20+60 60 000 / 37 500 4 /2  4414 FG 170 100.1 24 1228 43 5.3 □ 5.0 2 900 -20+60 60 000 / 37 500 4 /2  4418 FG 170 100.1 48 2853 43 5.3 □ 5.0 2 900 -20+60 60 000 / 37 500 4 /2;/12	Nominal Data	Air Flow	Air Flow	Nominal Voltage	Voltage Range	Noise		Sintec-Sleeve Bearings Ball Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L <sub>10</sub> at 40 °C at t <sub>max</sub>	Curve	Specials
4412 FGML       114       67.1       12       712.6       32       4.3       □       2.0       1 950       -20+75       75 000 / 32 500       2       /2; /12         4412 FML       114       67.1       12       712.6       32       4.3       □       2.0       1 950       -20+75       75 000 / 32 500       2         4412 FGM       140       82.4       12       712.6       38       4.8       □       3.2       2 400       -20+75       70 000 / 30 000       3       /12         4412 FM       140       82.4       12       712.6       38       4.8       □       3.2       2 400       -20+75       70 000 / 30 000       3       /12         4412 FG       170       100.1       12       812.6       43       5.3       □       5.3       2 900       -20+60       60 000 / 37 500       4         4412 F       170       100.1       12       812.6       43       5.3       □       5.3       2 900       -20+60       60 000 / 37 500       4       /2         4414 FL       94       55.3       24       1828       26       3.9       □       1.0       1 600	Туре	m³/h	CFM	V DC	V DC	dB(A)	Bel	□/■	Watt	min <sup>-1</sup>	°C	Hours Hours		P. 83-90
4412 FML       114       67.1       12       712.6       32       4.3       ■       2.0       1 950       -20+75       75 000 / 32 500       2         4412 FGM       140       82.4       12       712.6       38       4.8       ■       3.2       2 400       -20+75       70 000 / 30 000       3       /12         4412 FM       140       82.4       12       712.6       38       4.8       ■       3.2       2 400       -20+75       70 000 / 30 000       3       /2         4412 FG       170       100.1       12       812.6       43       5.3       ■       5.3       2 900       -20+60       60 000 / 37 500       4         4414 FL       94       55.3       24       1828       26       3.9       ■       1.0       1 600       -20+75       80 000 / 37 500       4       /2         4414 FM       140       82.4       24       1228       38       4.8       ■       3.2       2 400       -20+75       80 000 / 37 500       1       /2         4414 FG       170       100.1       24       1228       43       5.3       ■       5.0       2 900       -20	4412 FGL	94	55.3	12	714	26	3.9		1.25	1 600	-20+75	80 000 / 35 000	1	/2
4412 FGM       140       82.4       12       712.6       38       4.8       ■       3.2       2 400       -20+75       70 000 / 30 000       3       /12         4412 FM       140       82.4       12       712.6       38       4.8       ■       3.2       2 400       -20+75       70 000 / 30 000       3       /2         4412 FG       170       100.1       12       812.6       43       5.3       ■       5.3       2 900       -20+60       60 000 / 37 500       4         4412 F       170       100.1       12       812.6       43       5.3       ■       5.3       2 900       -20+60       60 000 / 37 500       4         4414 FL       94       55.3       24       1828       26       3.9       ■       1.0       1 600       -20+75       80 000 / 35 000       1       /2         4414 FM       140       82.4       24       1228       38       4.8       ■       3.2       2 400       -20+75       70 000 / 30 000       3       /2         4414 FG       170       100.1       24       1228       43       5.3       ■       5.0       2 900       -20.	4412 FGML	114	67.1	12	712.6	32	4.3		2.0	1 950	-20+75	75 000 / 32 500	2	/2; /12
4412 FM       140       82.4       12       712.6       38       4.8       ■       3.2       2 400       -20+75       70 000 / 30 000       3       /2         4412 FG       170       100.1       12       812.6       43       5.3       ■       5.3       2 900       -20+60       60 000 / 37 500       4         4412 F       170       100.1       12       812.6       43       5.3       ■       5.3       2 900       -20+60       60 000 / 37 500       4       /2         4414 FL       94       55.3       24       1828       26       3.9       ■       1.0       1 600       -20+75       80 000 / 35 000       1       /2         4414 FM       140       82.4       24       1228       38       4.8       ■       3.2       2 400       -20+75       70 000 / 30 000       3       /2         4414 FG       170       100.1       24       1228       43       5.3       ■       5.0       2 900       -20+60       60 000 / 37 500       4       /2;/12         4418 FG       170       100.1       48       2853       43       5.3       ■       5.5       2 900	4412 FML	114	67.1	12	712.6	32	4.3	•	2.0	1 950	-20+75	75 000 / 32 500	2	
4412 FG 170 100.1 12 812.6 43 5.3 ■ 5.3 2 900 -20+60 60 000 / 37 500 4 412 F 170 100.1 12 812.6 43 5.3 ■ 5.3 2 900 -20+60 60 000 / 37 500 4 /2 414 FL 94 55.3 24 1828 26 3.9 ■ 1.0 1 600 -20+75 80 000 / 35 000 1 /2 4414 FM 140 82.4 24 1228 38 4.8 ■ 3.2 2 400 -20+75 70 000 / 30 000 3 /2 4414 FG 170 100.1 24 1228 43 5.3 ■ 5.0 2 900 -20+60 60 000 / 37 500 4 /2 4414 F 170 100.1 24 1228 43 5.3 ■ 5.0 2 900 -20+60 60 000 / 37 500 4 /2 4414 FG 170 100.1 24 1228 43 5.3 ■ 5.0 2 900 -20+60 60 000 / 37 500 4 /2 4418 FG 170 100.1 48 2853 43 5.3 ■ 5.5 2 900 -20+60 60 000 / 37 500 4	4412 FGM	140	82.4	12	712.6	38	4.8		3.2	2 400	-20+75	70 000 / 30 000	3	/12
4412 F       170       100.1       12       812.6       43       5.3       ■       5.3       2 900       -20+60       60 000 / 37 500       4       /2         4414 FL       94       55.3       24       1828       26       3.9       ■       1.0       1 600       -20+75       80 000 / 35 000       1       /2         4414 FM       140       82.4       24       1228       38       4.8       ■       3.2       2 400       -20+75       70 000 / 30 000       3       /2         4414 FG       170       100.1       24       1228       43       5.3       ■       5.0       2 900       -20+60       60 000 / 37 500       4       /2;/12         4418 FG       170       100.1       48       2853       43       5.3       ■       5.5       2 900       -20+60       60 000 / 37 500       4       /2;/12	4412 FM	140	82.4	12	712.6	38	4.8	-	3.2	2 400	-20+75	70 000 / 30 000	3	/2
4414 FL       94       55.3       24       1828       26       3.9       ■       1.0       1 600       -20+75       80 000 / 35 000       1       /2         4414 FM       140       82.4       24       1228       38       4.8       ■       3.2       2 400       -20+75       70 000 / 30 000       3       /2         4414 FG       170       100.1       24       1228       43       5.3       ■       5.0       2 900       -20+60       60 000 / 37 500       4       /2;/12         4418 FG       170       100.1       48       2853       43       5.3       ■       5.5       2 900       -20+60       60 000 / 37 500       4	4412 FG	170	100.1	12	812.6	43	5.3		5.3	2 900	-20+60	60 000 / 37 500	4	
4414 FM       140       82.4       24       1228       38       4.8       ■       3.2       2 400       -20+75       70 000 / 30 000       3       /2         4414 FG       170       100.1       24       1228       43       5.3       ■       5.0       2 900       -20+60       60 000 / 37 500       4       /2         4414 F       170       100.1       24       1228       43       5.3       ■       5.0       2 900       -20+60       60 000 / 37 500       4       /2;/12         4418 FG       170       100.1       48       2853       43       5.3       ■       5.5       2 900       -20+60       60 000 / 37 500       4	4412 F	170	100.1	12	812.6	43	5.3		5.3	2 900	-20+60	60 000 / 37 500	4	/2
4414 FG       170       100.1       24       1228       43       5.3       ■       5.0       2 900       -20+60       60 000 / 37 500       4       /2         4414 F       170       100.1       24       1228       43       5.3       ■       5.0       2 900       -20+60       60 000 / 37 500       4       /2;/12         4418 FG       170       100.1       48       2853       43       5.3       ■       5.5       2 900       -20+60       60 000 / 37 500       4	4414 FL	94	55.3	24	1828	26	3.9		1.0	1 600	-20+75	80 000 / 35 000	1	/2
4414 F 170 100.1 <b>24</b> 1228 43 5.3 ■ 5.0 2 900 -20+60 60 000 / 37 500 4 /2;/12 4418 FG 170 100.1 <b>48</b> 2853 43 5.3 ■ 5.5 2 900 -20+60 60 000 / 37 500 4	4414 FM	140	82.4	24	1228	38	4.8		3.2	2 400	-20+75	70 000 / 30 000	3	/2
4418 FG 170 100.1 <b>48</b> 2853 43 5.3 <b>a</b> 5.5 2 900 -20+60 60 000 / 37 500 4	4414 FG	170	100.1	24	1228	43	5.3		5.0	2 900	-20+60	60 000 / 37 500	4	/2
	4414 F	170	100.1	24	1228	43	5.3		5.0	2 900	-20+60	60 000 / 37 500	4	/2;/12
4418 F 170 1001 48 28 53 43 53 ■ 55 2 900 -20 ±60 60 000 / 37 500 4 /2/12/39	4418 FG	170	100.1	48	2853	43	5.3		5.5	2 900	-20+60	60 000 / 37 500	4	112.15.50419
170 100.1 <b>40</b> 2050 45 5.0 <b>2</b> 5.0 25100 00 000 1 72,72,70	4418 F	170	100.1	48	2853	43	5.3		5.5	2 900	-20+60	60 000 / 37 500	4	/2;/12;/39



Available on request: Fan housing with moulded-in spacers. For mounting over both flanges.



