

# Square shaded-pole motors

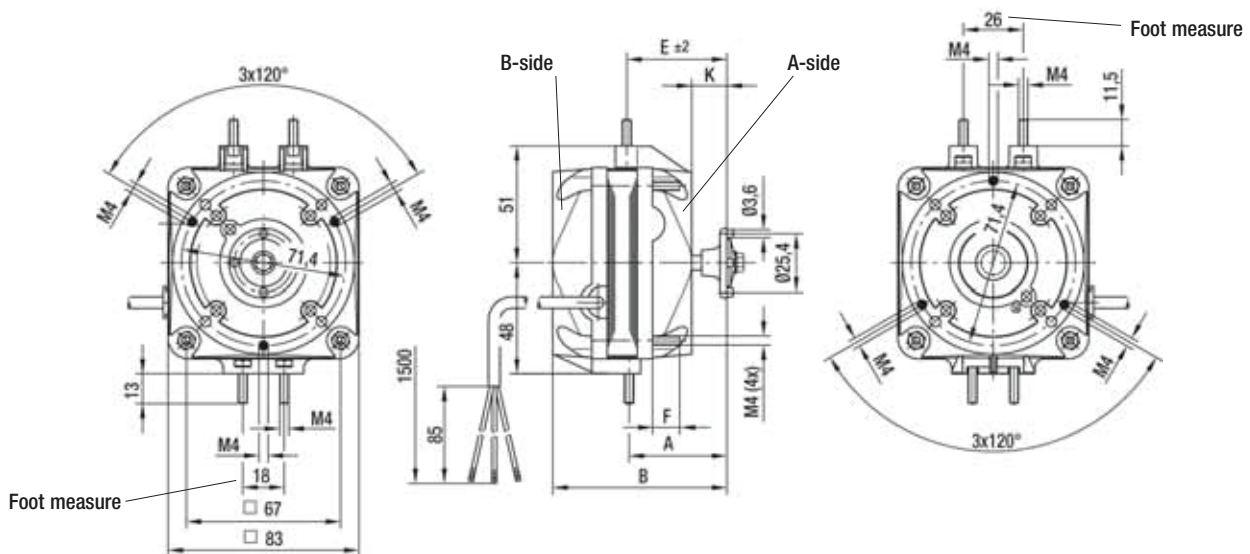
## Multi-function design



- **Mounting bosses:** different centre-lines are possible: 26 mm (51 mm high) or 18 mm (48 mm high)
  - **End shields:** captive M4 screws in the end shields are mounted on opposite sides in the flanges; knurled hex nuts are not included and will have to be ordered separately; end shields available for A and B side, threaded holes 3 x M4, bolt circle diameter 71.4 mm; mounting of guard grille and wall ring on A-side end shield
  - **Connection leads:** jacketed cable 3 x 0.5 mm<sup>2</sup> with brass lead tips
  - **Direction of rotation:** counter-clockwise, seen on shaft
  - **Type of protection:** IP 42
  - **Insulation class:** "B"
  - **Approvals:** VDE, CE
  - **Characteristics:** see p. 196 ff.
- ebm-papst · Muldingen

Nominal data		Combination: motor and axial impeller	Characteristic	Nominal voltage	Frequency	Speed/rpm	Power output	Power input	Current draw	Perm. amb. temp.	Mass	Dimensions				
Type	p. 190	VAC	Hz	min <sup>-1</sup>	W	W	A	°C	kg	A	B	E	F	K		
M4Q045-BD01 -75	A	①	230	50	1300	5	29	0,19	-30..+40	0,9	43	76	43,5	12	15,0	
		②	230	60	1550	5	26	0,17	-30..+40							
M4Q045-CA01 -75	B	③	230	50	1300	7	31	0,20	-30..+40	1,1	49	82	43,5	10	15,0	
		④	230	60	1550	8	30	0,20	-30..+40							
M4Q045-CA03 -75	C	⑤	230	50	1300	10	36	0,25	-30..+40	1,2	49	82	43,5	10	15,0	
		⑥	230	60	1550	9	34	0,22	-30..+40							
M4Q045-CF01 -75	D	⑦	230	50	1300	16	60	0,42	-30..+40	1,3	54	87	43,5	10	15,0	
		⑧	230	60	1550	16	58	0,36	-30..+40							
M4Q045-DA01 -75	E	⑨	230	50	1300	18	70	0,48	-30..+40	1,6	59	93	43,5	10	15,0	
		⑩	230	60	1550	18	62	0,42	-30..+40							
M4Q045-DA05 -75	F	⑪	230	50	1300	23	86	0,62	-30..+40	1,6	59	93	43,5	10	15,0	
		⑫	230	60	1550	25	80	0,55	-30..+40							
M4Q045-EA01 -75	G	⑬	230	50	1300	25	90	0,62	-30..+40	2,0	69	103	44,0	10	15,5	
		⑭	230	60	1550	26	80	0,55	-30..+40							
M4Q045-EF01 -75	H	⑮	230	50	1300	34	110	0,75	-30..+40	2,2	92	125	61,0	10	33,0	
		⑯	230	60	1550	34	100	0,65	-30..+40							

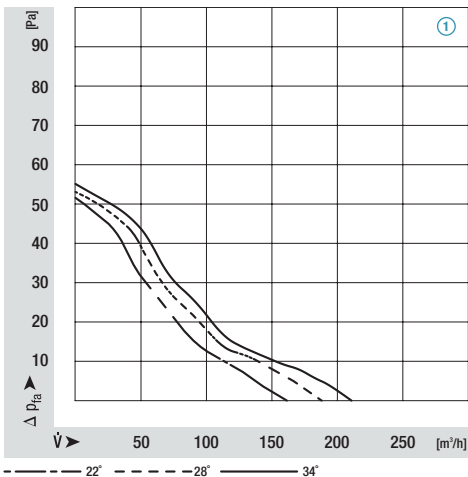
subject to alterations



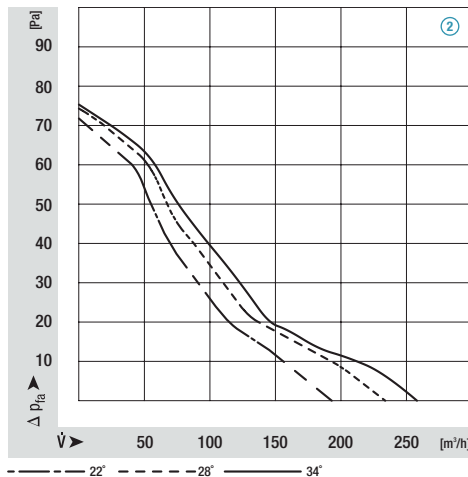
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Characteristic curves (established with wall rings)

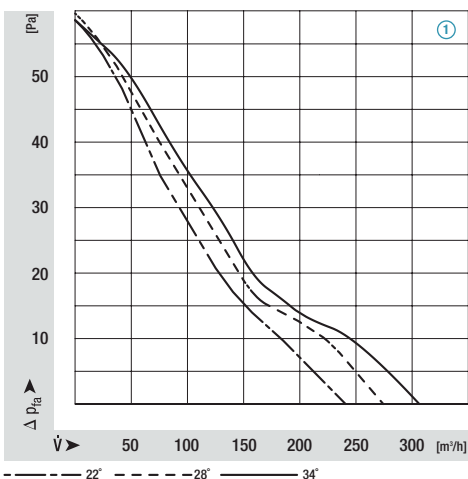
M4Q045-BD01-\*\*, Ø 154, 50 Hz



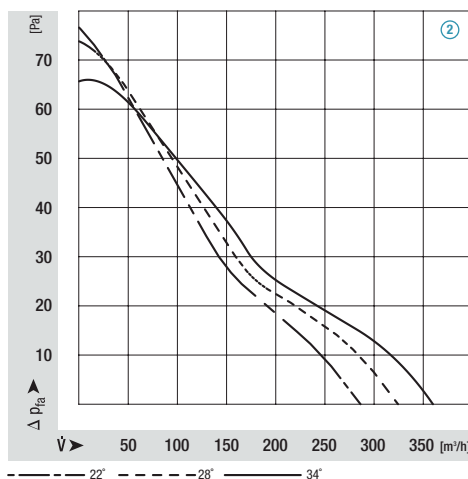
M4Q045-BD01-\*\*, Ø 154, 60 Hz



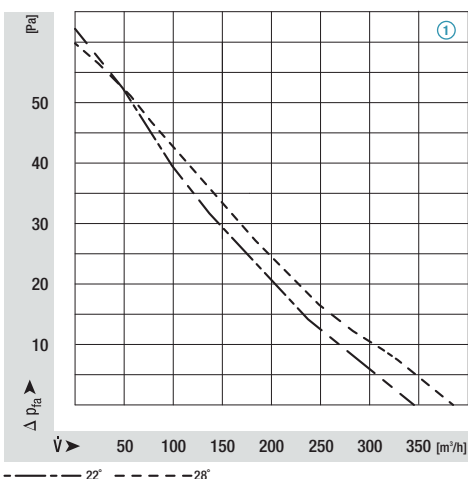
M4Q045-BD01-\*\*, Ø 172, 50 Hz



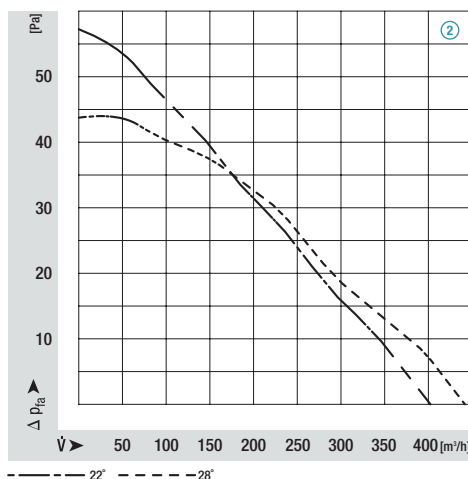
M4Q045-BD01-\*\*, Ø 172, 60 Hz



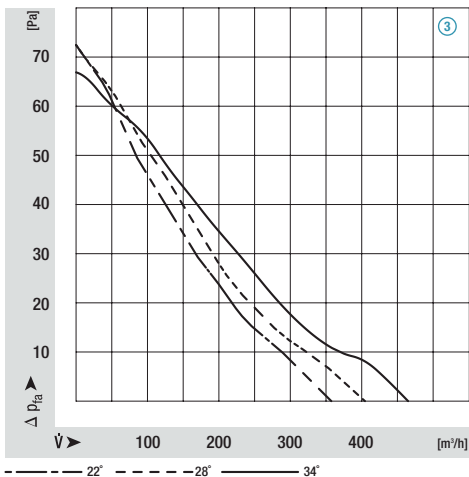
M4Q045-BD01-\*\*, Ø 200, 50 Hz



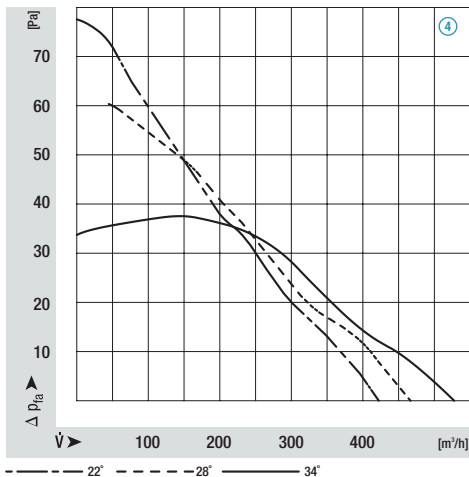
M4Q045-BD01-\*\*, Ø 200, 60 Hz



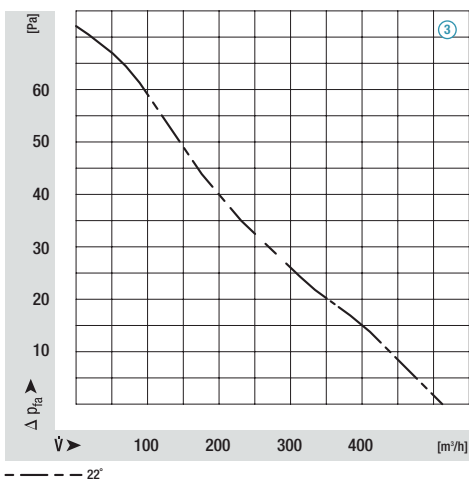
M4Q045-CA01-\*\*, Ø 200, 50 Hz



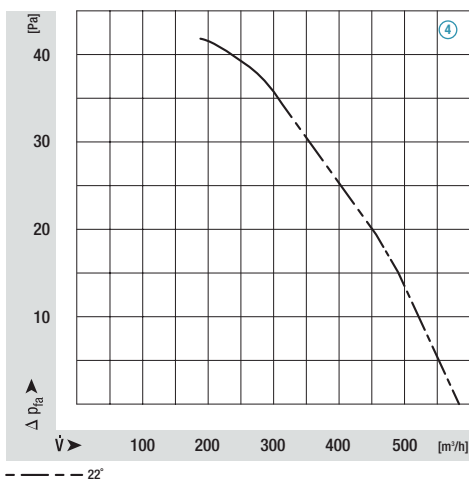
M4Q045-CA01-\*\*, Ø 200, 60 Hz



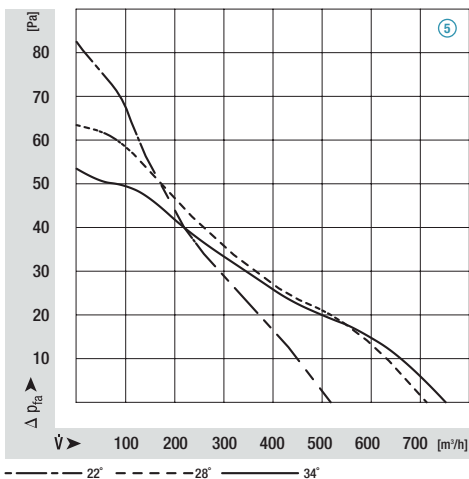
M4Q045-CA01-\*\*, Ø 230, 50 Hz



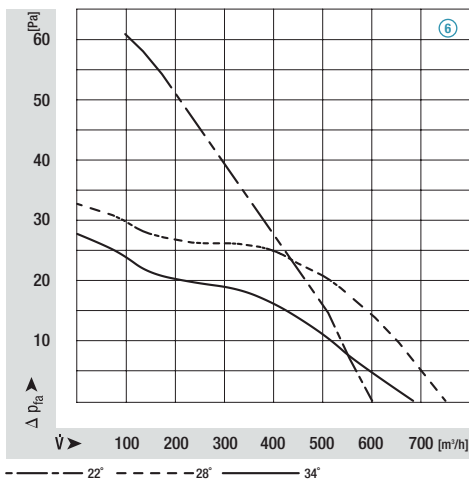
M4Q045-CA01-\*\*, Ø 230, 60 Hz



M4Q045-CA03-\*\*, Ø 230, 50 Hz



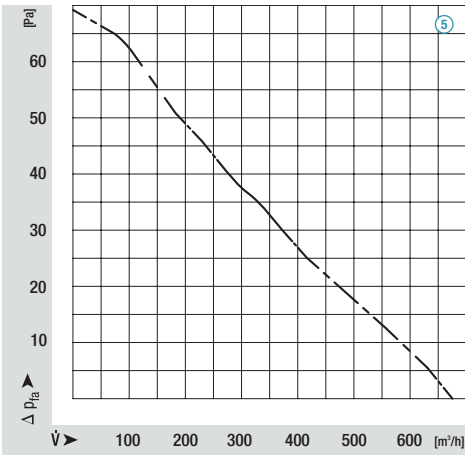
M4Q045-CA03-\*\*, Ø 230, 60 Hz



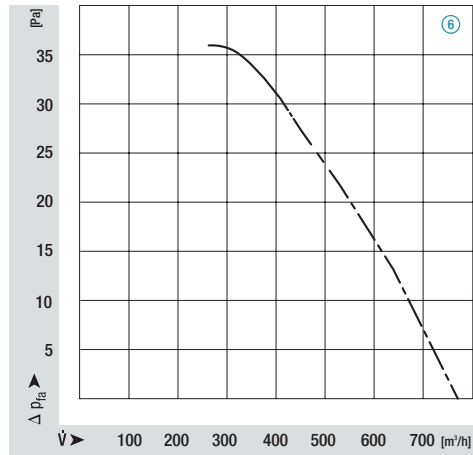
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Characteristic curves (established with wall rings)

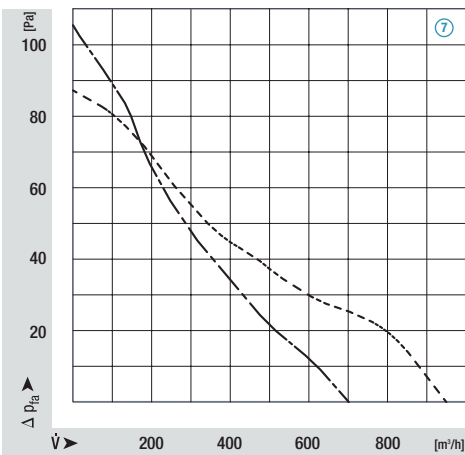
M4Q045-CA03-\*\*, Ø 254, 50 Hz



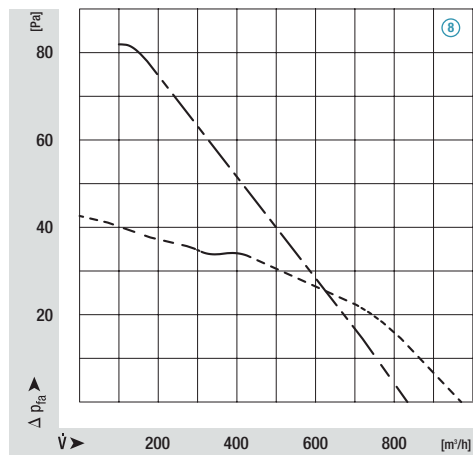
M4Q045-CA03-\*\*, Ø 254, 60 Hz



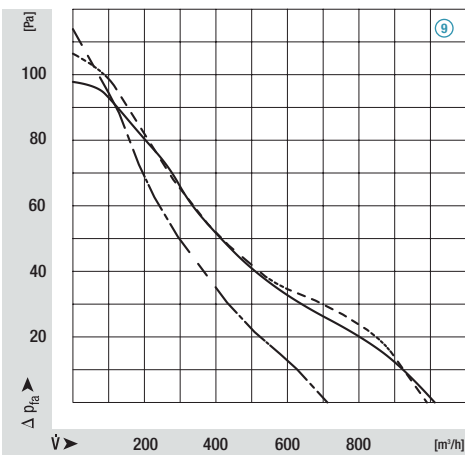
M4Q045-CF01-\*\*, Ø 254, 50 Hz



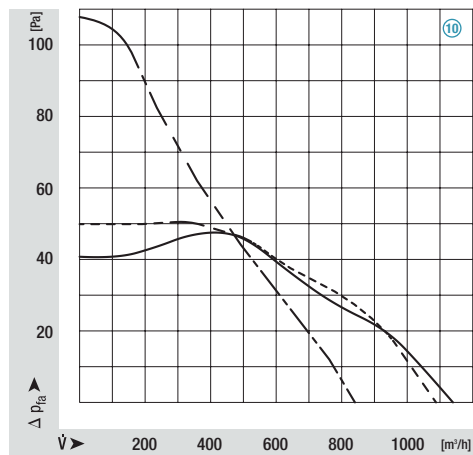
M4Q045-CF01-\*\*, Ø 254, 60 Hz



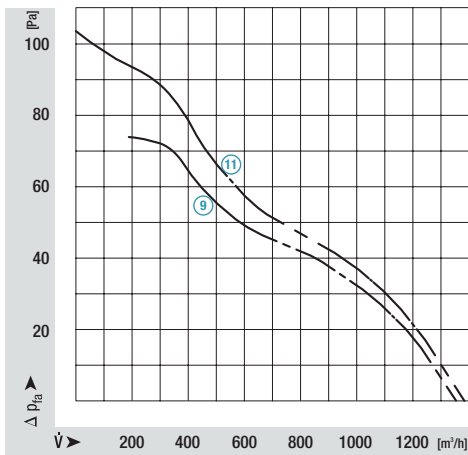
M4Q045-DA01-\*\*, Ø 254, 50 Hz



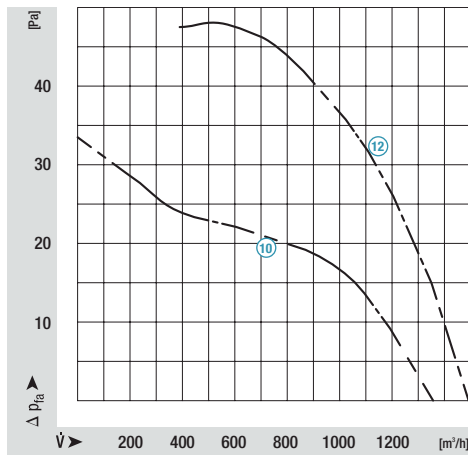
M4Q045-DA01-\*\*, Ø 254, 60 Hz



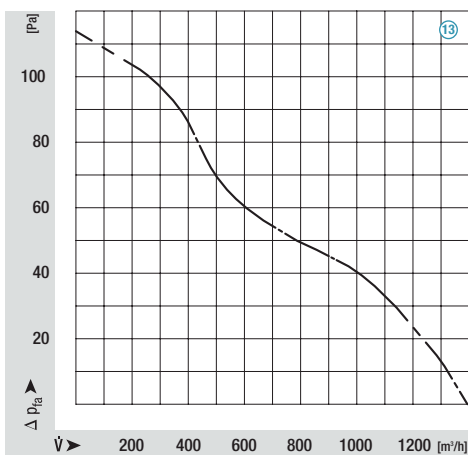
9 M4Q045-DA01-\*\*-\*\* / 11-DA05-\*\*-\*\*, Ø 300, 50 Hz



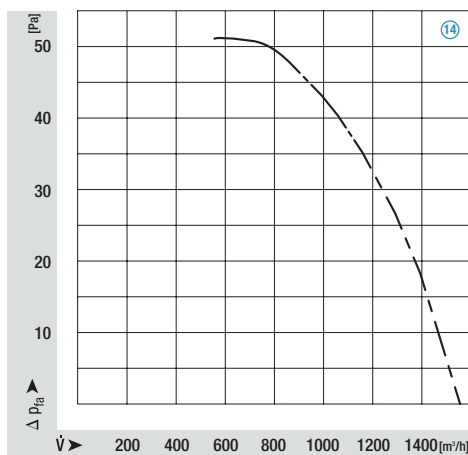
10 M4Q045-DA01-\*\*-\*\* / 12-DA05-\*\*-\*\*, Ø 300, 60 Hz



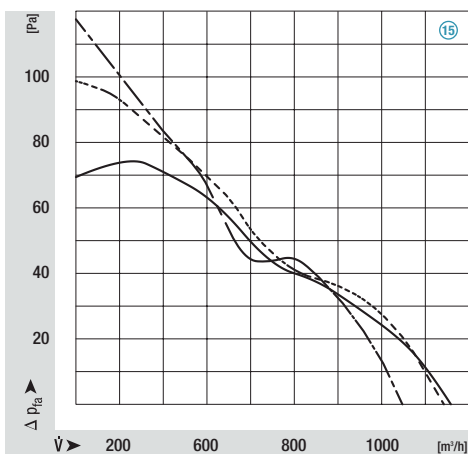
M4Q045-EA01-\*\*-\*\*, Ø 300, 50 Hz



M4Q045-EA01-\*\*-\*\*, Ø 300, 60 Hz



M4Q045-EF01-\*\*-\*\*, Ø 300, 50 Hz



M4Q045-EF01-\*\*-\*\*, Ø 300, 60 Hz

