CENTRIFLOW Plus GPEV

Plug fan for vertical mounting

FläktWoods

CENTRIFLOW Plus GPEV

CENTRIFLOW Plus Verti is a direct driven plug fan for vertical mounting. The fan series consists of 11 sizes and covers air flows up to 8.5 m^3/s and pressure rise up to 2300 Pa. CENTRIFLOW Plus Verti is characterized by high efficiency and it is available in standard version. The fans are supplied with an integrated air flow sensor with two measuring points as standard. Motors are IEC-standard EFF2 flange mounted motors (B5). For fan charts please refer to the CENTRIFLOW Plus GPEB-catalogue.

Ordering code

Plug fan — GPEV-1-00-ccc-dd-0

Version
1 = Standard version with IEC standard flange motor and standard hub

Fan size (ccc)
022, 025, 028, 031, 035, 040, 045, 050, 056, 063, 071

Motor size IEC
07 = 71
08 = 80
09 = 90
10 = 100
11 = 112
13 = 132
16 = 160

Motor — APAF-a-bbbbb-c-d-6

Number of poles
2,4,6,8 (see motor table)

Rated output
See motor table

Supply voltage
1 = 220-240 VD/380-420 VY
2 = 380-420 VD/660-690 VY

Temperature sensor in the stator windings
0 = without
1 = with bimetal temperature contact
2 = with thermistor

Accessories — GPVZ-aa-00-ccc-d-0

Type of accessory

Fan size

Version
See accessory code

Air flow sensor with four measuring points — GPVZ-09-00-ccc-1-0

Fan size

Anti-vibration mountings, rubber — GPVZ-42-00-ccc-d-0

Fan size

Version
See motor table

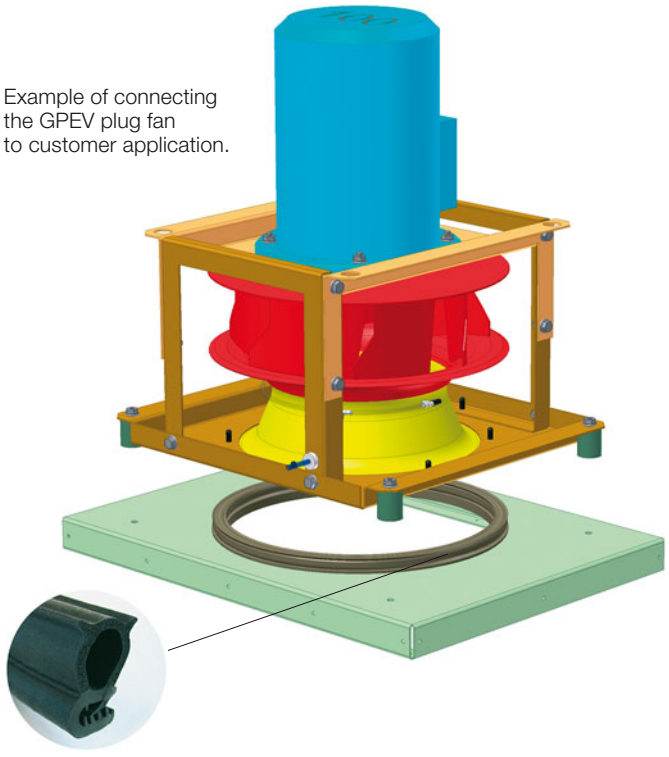
Painting — GPVZ-60-00-ccc-d-0

Fan size

Version
d = 1 Epoxy-powder painting, 60 µm, colour RAL 7005, dark grey, impeller RAL 6029 green
d = 2 Epoxy-powder painting100 µm, colour RAL 7005, dark grey, impeller RAL 6029 green
d = 3 Epoxy-wet painted in 3 coats, 250 µm, colour RAL 7005, dark grey, impeller 100 µm RAL 6029 green

CENTRIMETER airflow transmitter — GTLZ-86-00-0-0

Example of connecting the GPEV plug fan to customer application.

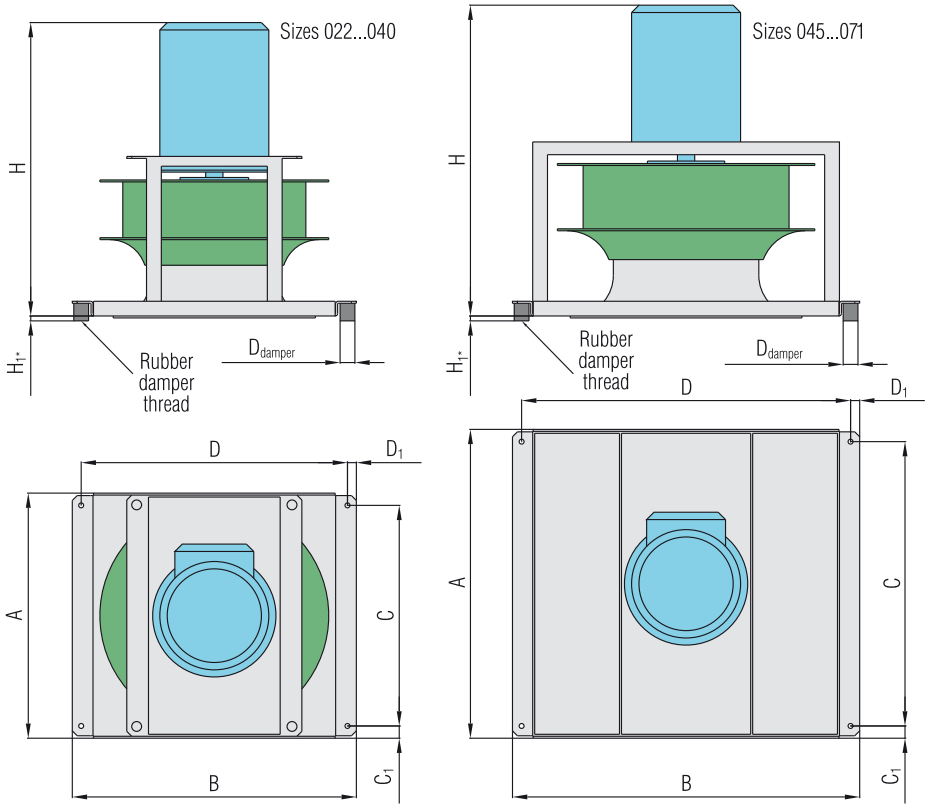


Rubber gasket (not included in delivery)

Versio 03.2009 © Fläkt Woods Oy

Motor size	Rated output kW	Size IEC	Motor code	Nominal speed rpm	Total weight kg	Max. speed rpm	Max. Hz	Antivibration mountings Rubber
GPEV-1-00-022-07-0	0,37	71	APAF-2-00037-c-d-6	2840	19,5	3609	63,5	GPVZ-42-00-022-1-0
GPEV-1-00-022-07-0	0,55	71	APAF-2-00055-c-d-6	2830	20,5	4119	72,8	GPVZ-42-00-022-1-0
GPEV-1-00-022-08-0	0,75	80	APAF-2-00075-c-d-6	2870	23	4567	79,6	GPVZ-42-00-022-1-0
GPEV-1-00-022-08-0	1,1	80	APAF-2-00110-c-d-6	2850	25	5000	87,7	GPVZ-42-00-022-1-0
GPEV-1-00-025-07-0	0,55	71	APAF-2-00055-c-d-6	2830	25,5	3422	60,5	GPVZ-42-00-025-1-0
GPEV-1-00-025-08-0	0,75	80	APAF-2-00075-c-d-6	2870	28	3794	66,1	GPVZ-42-00-025-1-0
GPEV-1-00-025-08-0	1,1	80	APAF-2-00110-c-d-6	2850	30	4311	75,6	GPVZ-42-00-025-1-0
GPEV-1-00-025-09-0	1,5	90S	APAF-2-00150-c-d-6	2870	32	4781	83,3	GPVZ-42-00-025-1-0
GPEV-1-00-025-09-0	2,2	90L	APAF-2-00220-c-d-6	2885	35	5000	86,7	GPVZ-42-00-025-1-0
GPEV-1-00-028-08-0	0,75	80	APAF-2-00075-c-d-6	2870	30	3204	55,8	GPVZ-42-00-028-1-0
GPEV-1-00-028-08-0	1,1	80	APAF-2-00110-c-d-6	2850	32	3640	63,9	GPVZ-42-00-028-1-0
GPEV-1-00-028-09-0	1,5	90S	APAF-2-00150-c-d-6	2870	34	4036	70,3	GPVZ-42-00-028-1-0
GPEV-1-00-028-09-0	2,2	90L	APAF-2-00220-c-d-6	2885	37	4586	79,5	GPVZ-42-00-028-1-0
GPEV-1-00-028-10-0	3	100L	APAF-2-00300-c-d-6	2900	42	5000	86,2	GPVZ-42-00-028-1-0
GPEV-1-00-031-08-0	0,75	80	APAF-4-00075-c-d-6	1410	35,5	2538	90,0	GPVZ-42-00-031-1-0
GPEV-1-00-031-08-0	1,1	80	APAF-4-00110-c-d-6	1410	38	2538	90,0	GPVZ-42-00-031-1-0
GPEV-1-00-031-08-0	1,1	80	APAF-2-00110-c-d-6	2850	36	3039	53,3	GPVZ-42-00-031-1-0
GPEV-1-00-031-09-0	1,5	90S	APAF-2-00150-c-d-6	2870	38	3370	58,7	GPVZ-42-00-031-1-0
GPEV-1-00-031-09-0	2,2	90L	APAF-2-00220-c-d-6	2885	41	3829	66,4	GPVZ-42-00-031-1-0
GPEV-1-00-031-10-0	3	100L	APAF-2-00300-c-d-6	2900	46	4246	73,2	GPVZ-42-00-031-1-0
GPEV-1-00-031-11-0	4	112M	APAF-2-00400-c-d-6	2850	50	4400	77,2	GPVZ-42-00-031-1-0
GPEV-1-00-035-09-0	1,1	90S	APAF-4-00110-c-d-6	1410	43	2468	87,5	GPVZ-42-00-035-1-0
GPEV-1-00-035-09-0	1,5	90L	APAF-4-00150-c-d-6	1420	46	2556	90,0	GPVZ-42-00-035-1-0
GPEV-1-00-035-09-0	1,5	90S	APAF-2-00150-c-d-6	2870	43	2680	46,7	GPVZ-42-00-035-1-0
GPEV-1-00-035-09-0	2,2	90L	APAF-2-00220-c-d-6	2885	46	3109	53,9	GPVZ-42-00-035-1-0
GPEV-1-00-035-10-0	3	100L	APAF-2-00300-c-d-6	2900	51	3448	59,4	GPVZ-42-00-035-1-0
GPEV-1-00-035-11-0	4	112M	APAF-2-00400-c-d-6	2850	55	3795	66,6	GPVZ-42-00-035-1-0
GPEV-1-00-040-09-0	1,1	90S	APAF-4-00110-c-d-6	1410	45	2046	72,6	GPVZ-42-00-040-1-0
GPEV-1-00-040-09-0	1,5	90L	APAF-4-00150-c-d-6	1420	48	2269	79,9	GPVZ-42-00-040-1-0
GPEV-1-00-040-10-0	2,2	100L	APAF-4-00220-c-d-6	1430	53	2578	90,2	GPVZ-42-00-040-1-0
GPEV-1-00-040-09-0	2,2	90L	APAF-2-00220-c-d-6	2885	48	2455	42,5	GPVZ-42-00-040-1-0
GPEV-1-00-040-10-0	3	100L	APAF-2-00300-c-d-6	2900	53	2840	49,0	GPVZ-42-00-040-1-0
GPEV-1-00-040-11-0	4	112M	APAF-2-00400-c-d-6	2850	57	3147	55,2	GPVZ-42-00-040-1-0
GPEV-1-00-045-09-0	1,1	90S	APAF-4-00110-c-d-6	1410	56	1681	59,6	GPVZ-42-00-045-1-0
GPEV-1-00-045-09-0	1,5	90L	APAF-4-00150-c-d-6	1420	59	1864	65,6	GPVZ-42-00-045-1-0
GPEV-1-00-045-10-0	2,2	100L	APAF-4-00220-c-d-6	1430	65,5	2118	74,1	GPVZ-42-00-045-1-0
GPEV-1-00-045-10-0	3	100L	APAF-4-00300-c-d-6	1430	65	2349	82,1	GPVZ-42-00-045-1-0
GPEV-1-00-045-11-0	4	112M	APAF-4-00400-c-d-6	1425	71	2585	90,7	GPVZ-42-00-045-1-0
GPEV-1-00-045-13-0	5,5	132S	APAF-2-00550-c-d-6	2900	96	2842	49,0	GPVZ-42-00-045-1-0
GPEV-1-00-045-13-0	7,5	132S	APAF-2-00750-c-d-6	2925	94	3100	53,0	GPVZ-42-00-045-1-0
GPEV-1-00-050-10-0	2,2	100L	APAF-4-00220-c-d-6	1430	70,5	1729	60,5	GPVZ-42-00-050-1-0
GPEV-1-00-050-10-0	3	100L	APAF-4-00300-c-d-6	1430	70	1918	67,1	GPVZ-42-00-050-1-0
GPEV-1-00-050-11-0	4	112M	APAF-4-00400-c-d-6	1425	76	2111	74,1	GPVZ-42-00-050-1-0
GPEV-1-00-050-13-0	5,5	132S	APAF-4-00550-c-d-6	1450	89	2347	80,9	GPVZ-42-00-050-2-0
GPEV-1-00-050-13-0	7,5	132M	APAF-4-00750-c-d-6	1450	125	2603	89,8	GPVZ-42-00-050-2-0
GPEV-1-00-050-16-0	11	160M	APAF-4-01100-c-d-6	1480	135	2630	88,9	GPVZ-42-00-050-2-0
GPEV-1-00-050-16-0	11	160M	APAF-2-01100-c-d-6	2945	130	2957	50,2	GPVZ-42-00-050-2-0
GPEV-1-00-056-10-0	1,5	100L	APAF-6-00150-c-d-6	950	91	1270	66,8	GPVZ-42-00-056-1-0
GPEV-1-00-056-11-0	2,2	112M	APAF-6-00220-c-d-6	940	93	1443	76,8	GPVZ-42-00-056-1-0
GPEV-1-00-056-10-0	2,2	100L	APAF-4-00220-c-d-6	1430	90,5	1443	50,5	GPVZ-42-00-056-1-0
GPEV-1-00-056-10-0	3	100L	APAF-4-00300-c-d-6	1430	90	1600	55,9	GPVZ-42-00-056-1-0
GPEV-1-00-056-11-0	4	112M	APAF-4-00400-c-d-6	1425	96	1761	61,8	GPVZ-42-00-056-1-0
GPEV-1-00-056-13-0	5,5	132S	APAF-4-00550-c-d-6	1450	109	1958	67,5	GPVZ-42-00-056-2-0
GPEV-1-00-056-13-0	7,5	132M	APAF-4-00750-c-d-6	1450	145	2172	74,9	GPVZ-42-00-056-2-0
GPEV-1-00-056-16-0	11	160M	APAF-4-01100-c-d-6	1480	155	2400	81,1	GPVZ-42-00-056-2-0
GPEV-1-00-063-10-0	1,5	100L	APAF-6-00150-c-d-6	950	106	1050	55,2	GPVZ-42-00-063-1-0
GPEV-1-00-063-11-0	2,2	112M	APAF-6-00220-c-d-6	940	108	1193	63,4	GPVZ-42-00-063-1-0
GPEV-1-00-063-13-0	3	132S	APAF-6-00300-c-d-6	960	125	1322	68,9	GPVZ-42-00-063-1-0
GPEV-1-00-063-13-0	4	132M	APAF-6-00400-c-d-6	960	131	1456	75,8	GPVZ-42-00-063-1-0
GPEV-1-00-063-11-0	4	112M	APAF-4-00400-c-d-6	1425	111	1456	51,1	GPVZ-42-00-063-1-0
GPEV-1-00-063-13-0	5,5	132S	APAF-4-00550-c-d-6	1450	124	1619	55,8	GPVZ-42-00-063-1-0
GPEV-1-00-063-13-0	7,5	132M	APAF-4-00750-c-d-6	1450	160	1795	61,9	GPVZ-42-00-063-1-0
GPEV-1-00-071-13-0	3	132S	APAF-6-00300-c-d-6	960	145	1080	56,2	GPVZ-42-00-071-1-0
GPEV-1-00-071-13-0	4	132M	APAF-6-00400-c-d-6	960	151	1188	61,9	GPVZ-42-00-071-1-0
GPEV-1-00-071-13-0	5,5	132M	APAF-6-00550-c-d-6	955	162	1321	69,2	GPVZ-42-00-071-1-0
GPEV-1-00-071-13-0	5,5	132S	APAF-4-00550-c-d-6	1450	144	1167	40,2	GPVZ-42-00-071-1-0
GPEV-1-00-071-13-0	7,5	132M	APAF-4-00750-c-d-6	1450	180	1465	50,5	GPVZ-42-00-071-1-0

Specifications are subject to alteration without notice.



Dimensions

Fan size	Motor IEC	A (mm)	B (mm)	C (mm)	C_1 (mm)	D (mm)	D_1 (mm)	D_{damper} (mm)	D_{AHU} (mm)	H (mm)	H_{1*} (mm)	Rubber damper thread
022	71 80	315 315	391 391	265 265	25 25	355 355	18 18	30 30	255 255	380 403	10 10	M8 M8
025	80 90	400 400	476 476	350 350	25 25	440 440	18 18	30 30	279 279	417 449	10 10	M8 M8
028	80 90 100	400 400 400	476 476 476	350 350 350	25 25 25	440 440 440	18 18 18	30 30 30	312 312 312	439 471 503	10 10 10	M8 M8 M8
031	80 90 100 112	400 400 400 400	476 476 476 476	350 350 350 350	25 25 25 25	440 440 440 440	18 18 18 18	30 30 30 30	345 345 345 345	462 494 526 538	10 10 10 10	M8 M8 M8 M8
035	90 100 112	500 500 500	574 574 574	450 450 450	25 25 25	540 540 540	18 18 18	30 30 30	377 377 377	521 552 564	10 10 10	M8 M8 M8
040	90 100 112	500 500 500	574 574 574	450 450 450	25 25 25	540 540 540	18 18 18	30 30 30	420 420 420	551 583 595	10 10 10	M8 M8 M8
045	90 100 112 132	630 630 630 630	704 704 704 704	580 580 580 580	25 25 25 25	667 667 667 667	18,5 18,5 18,5 18,5	30 30 30 30	480 480 480 480	590 622 634 700	11 11 11 11	M8 M8 M8 M8
050	100 112 132 160	630 630 630 630	730 730 730 730	566 566 566 566	32 32 32 32	686 686 686 686	22 22 22 22	30 30 50 50	530 530 530 530	659 671 772 863	11 11 23 23	M8 M8 M10 M10
056	100 112 132 160	750 750 750 750	850 850 850 850	686 686 686 686	32 32 32 32	806 806 806 806	22 22 22 22	30 30 50 50	595 595 595 595	709 721 821 912	11 11 23 23	M8 M8 M10 M10
063	100 112 132	750 750 750	850 850 850	686 686 686	32 32 32	806 806 806	22 22 22	50 50 50	650 650 650	753 765 866	23 23 23	M10 M10 M10
071	132	750	950	786	32	906	22	50	780	919	23	M10

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