MPS

The professional solution for kitchen exhaust air

- Optimum serviceability by a swing-out fan unit
- Suitable for medium temperatures up to 120 ºC
- Motors outside the air stream according to VDI 2052
- Variable outlet configuration (right/left/on top)
- Serially integrated grease pan with condensate drain (3/4")

ErP 2013 ✓

Impeller: Backward curved radial impeller with optimised efficiency, sizes up to 500 made of steel sheet, welded, powder painted, sizes 560 made of aluminium sheet. The impellers are balanced according to quality standard G 6.3 (DIN ISO 1940). They are resistant to soiling and are therefore particularly suitable for kitchen exhaust.

Motor: The MPS series is equipped with voltage controlled AC motors. The motors are placed outside medium air flow. A built-in thermostatic switch in combination with an external tripping device protects the motor from overload.

Casing: The double-skinned housing is made of galvanised steel sheet and equipped with a 35 mm insulation. The insulation is non-combustible according to DIN EN 13 501-1, building material class A1. A grease pan with condensate drain is integrated into the housing.

Assembly: The outlet nozzle is serially mounted on top. On site, the outlet can be positioned horizontally by repositioning the door hinges. Special brackets for wall installation are available as accessories.

The solution for every professional kitchen: High temperatures combined with high fat loads, require a high quality mechanical and electromechanical design. The MPS fan for kitchen exhaust air is specifically designed for these special conditions and meet the requirements of the VDI 2052.

Thermoacoustic insulation: The double-skinned housing is equipped with a 35 mm insulation. This not only reduces the noise but also the condensation of the residual grease in the extract air box.

Highly flexible housing design: The outlet directions of the MPS extract air box can be quickly adapted to the on-site requirements. The housing bottom plate is designed as a grease pan (only for outlet: upwards).

Technical data

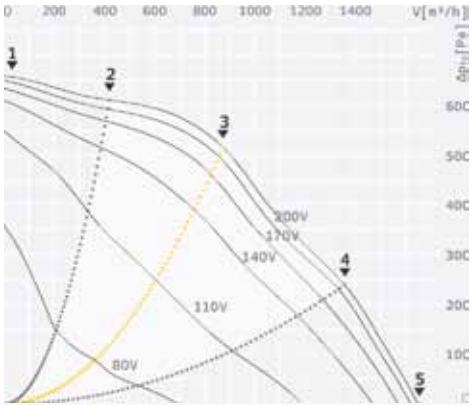
	U_N V	f_N Hz	I_{Max} A	P_N W	η_{st} %	η_t %	t_A ºC	IP motor	Motor protection	Insulation class	Motor control	Weight (kg)	Wiring diagram
A	230V ~	50	1,8	259	46	49	80	IP54	TAO	F	V	33,0	127819
B	230V ~	50	3,3	448	51	56	80	IP54	TAO	F	V	47,5	127819
C	230V ~	50	4,1	722	50	53	80	IP54	TAO	F	V	47,5	127819

Accessories

	TEM	TES	TEM…G	GS	VM	WSH
A	103502	103954	111580	102787	102650	103661
B	103502	103954	111580	102787	102651	103661
C	103519	103955	109966	102787	102652	103661

A MPS 225 E2 20

ID 126645



B MPS 250 E2 20

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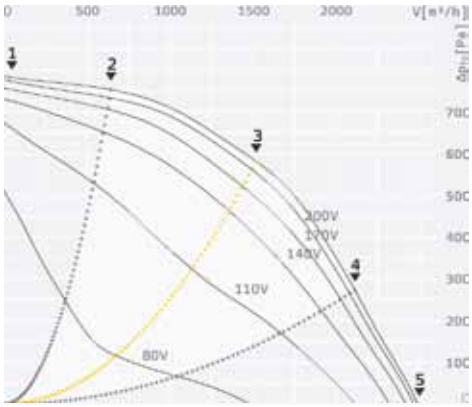

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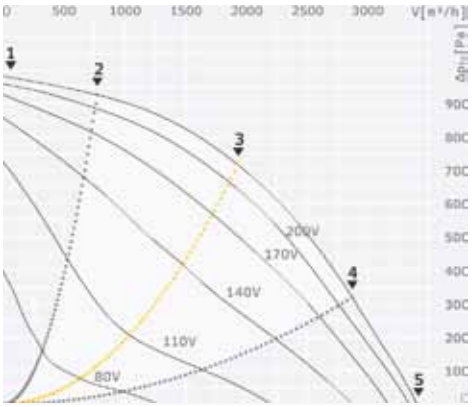


Operating data

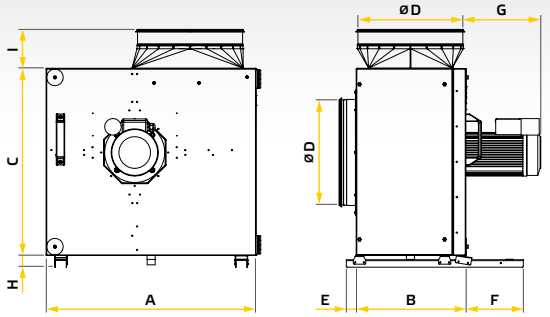
		A 1	A 2	A 3	A 4	A 5	B 1	B 2	B 3	B 4	B 5	C 1	C 2	C 3	C 4	C 5
I	A	0.7	0.9	1.1	1.2	1.1	1.1	1.6	1.9	1.8	1.5	1.7	2.4	3.1	2.9	2.5
P_1	W	147	207	252	259	237	229	350	442	409	333	343	531	709	669	562
n	1/min	2921	2877	2837	2831	2856	2934	2884	2844	2863	2894	2888	2810	2723	2754	2805
L_{WA5}	dB(A)	73	73	73	75	78	76	77	78	81	83	84	81	80	83	85
L_{WA6}	dB(A)	75	74	74	75	78	81	79	78	80	82	86	84	83	86	89
L_{WA2}	dB(A)	68	67	67	68	69	72	71	71	71	72	77	76	74	75	75

Sound power [Operating point 3]

dB(A)	A Σ	A 125	A 250	A 500	A 1k	A 2k	A 4k	A 8k	B Σ	B 125	B 250	B 500	B 1k	B 2k	B 4k	B 8k	C Σ	C 125	C 250	C 500	C 1k	C 2k	C 4k	C 8k
L_{WA5}	73	55	67	68	66	65	64	59	78	55	73	73	71	69	69	62	80	59	71	75	74	71	70	67
L_{WA6}	74	58	68	68	65	66	63	58	78	57	72	68	71	73	70	64	83	65	75	74	77	77	75	70
L_{WA2}	67	52	64	54	60	58	54	49	71	52	60	58	67	66	65	58	74	58	67	63	70	66	62	57

Dimensions

	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm
A	492	265	435	Ø199	33	182	172	39	98
B	592	315	522	Ø249	33	192	173	39	127
C	592	315	522	Ø314	33	192	191	39	131

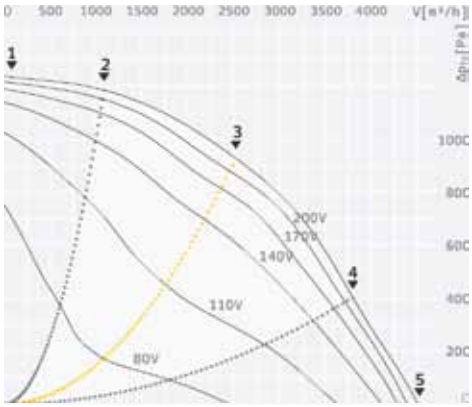


MPS

The professional solution for kitchen exhaust air

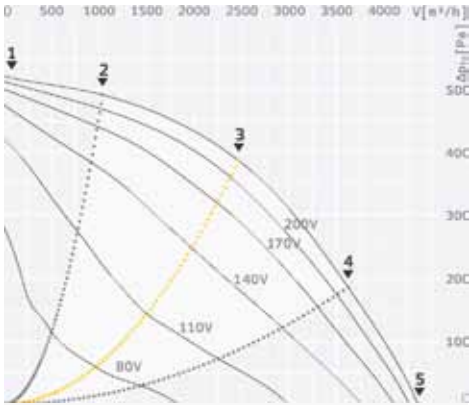
A MPS 315 E2 20

ID 126649



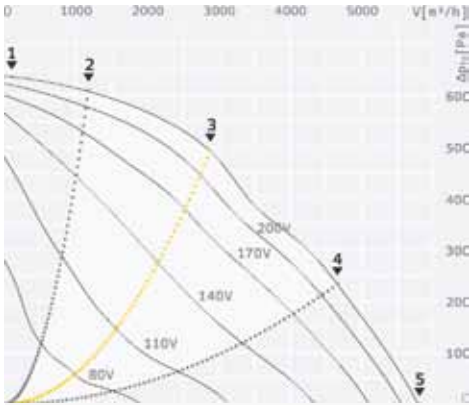
B MPS 400 E4 20

ID 126651



C MPS 450 E4 20

ID 126652



Operating data

		1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
I	A	3.6	4.7	5.5	5.2	4.7	1.3	1.7	2.2	2.2	2	1.7	2.5	3.4	3.7	3.4
P_1	W	587	913	1151	1069	914	270	392	509	509	444	363	565	769	840	771
n	1/min	2919	2867	2825	2848	2877	1449	1411	1376	1379	1402	1444	1403	1359	1343	1365
L_{WA5}	dB(A)	87	84	84	88	90	73	71	70	73	77	77	76	75	77	81
L_{WA6}	dB(A)	89	86	86	90	92	74	71	70	74	77	79	78	76	78	81
L_{WA2}	dB(A)	80	79	76	75	77	64	62	60	62	66	67	66	66	69	71

Sound power [Operating point 3]

dB(A)	Σ	125	250	500	1k	2k	4k	8k	Σ	125	250	500	1k	2k	4k	8k	Σ	125	250	500	1k	2k	4k	8k
L_{WA5}	84	66	79	79	76	75	73	67	70	62	64	64	63	61	59	51	75	66	69	68	67	66	65	57
L_{WA6}	86	66	79	77	81	79	76	71	70	58	62	61	65	63	59	50	76	66	68	67	69	69	66	57
L_{WA2}	76	61	63	59	71	66	62	56	60	55	55	49	53	51	46	39	66	63	60	51	55	54	47	40

Technical data

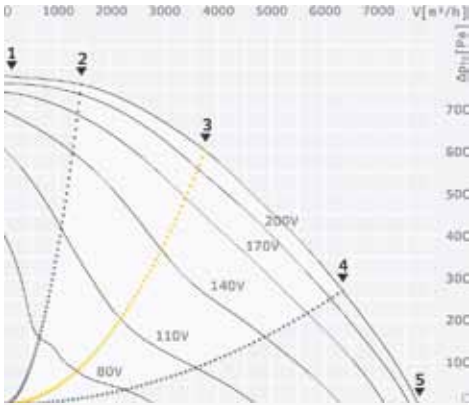
	U_N V	f_N Hz	I_{Max} A	P_N W	η_{st} %	η_t %	t_A °C	IP motor	Motor protection	Insulation class	Motor control	Weight (kg)	Wiring diagram
A	230V ~	50	7,8	1200	54	56	60	IP54	TAO	F	V	56,0	127819
B	230V ~	50	2,9	525	50	54	80	IP54	TAO	F	V	61,0	127819
C	230V ~	50	4,7	849	49	53	50	IP54	TAO	F	V	67,0	127819
D	230V ~	50	7,7	1337	48	49	40	IP54	TAO	F	V	105,6	127819
E	400V 3~	50	4,5	2100	47	54	70	IP54	TAO	F	V	100,0	122307

Accessories

TEM	TES	TDM	GS	VM	WSH
103511	103958	-	102787	102653	-
103502	103954	-	102787	102653	103661
103519	103955	-	102787	102653	103661
103511	103958	-	102787	102654	103661
-	-	111557	102787	102654	103661

D MPS 500 E4 20

ID 126653



E MPS 560 D4 10

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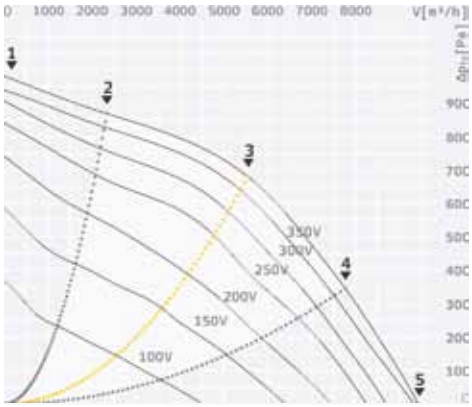

Operating data

		1	2	3	4	5	1	2	3	4	5
I	A	2.8	3.9	5.5	5.8	5.3	3.2	3.8	4.2	4.3	4.1
P_1	W	572	865	1238	1319	1191	1037	1599	2054	2081	1935
n	1/min	1447	1416	1368	1364	1380	1422	1379	1340	1342	1358
L_{WA5}	dB(A)	80	79	79	81	84	85	86	83	85	87
L_{WA6}	dB(A)	80	79	78	81	83	87	86	84	85	89
L_{WA2}	dB(A)	74	73	72	74	74	73	75	73	75	77

Sound power [Operating point 3]

dB(A)	Σ	125	250	500	1k	2k	4k	8k	Σ	125	250	500	1k	2k	4k	8k
L_{WA5}	79	68	71	70	74	69	68	63	83	73	77	74	76	75	73	66
L_{WA6}	78	69	66	69	76	68	66	59	84	77	75	77	78	76	74	69
L_{WA2}	72	62	58	61	71	57	55	48	73	71	66	61	60	61	57	51

Dimensions

	A	B	C	D	E	F	G	H	I
	mm	mm	mm	mm	mm	mm	mm	mm	mm
A	700	365	624	Ø354	33	192	250	39	127
B	832	365	751	Ø354	33	192	173	39	127
C	832	365	751	Ø354	33	192	218	39	127
D	1016	510	915	Ø399	33	291	243	39	138
E	884	436	884	Ø399	33	261	315	39	153