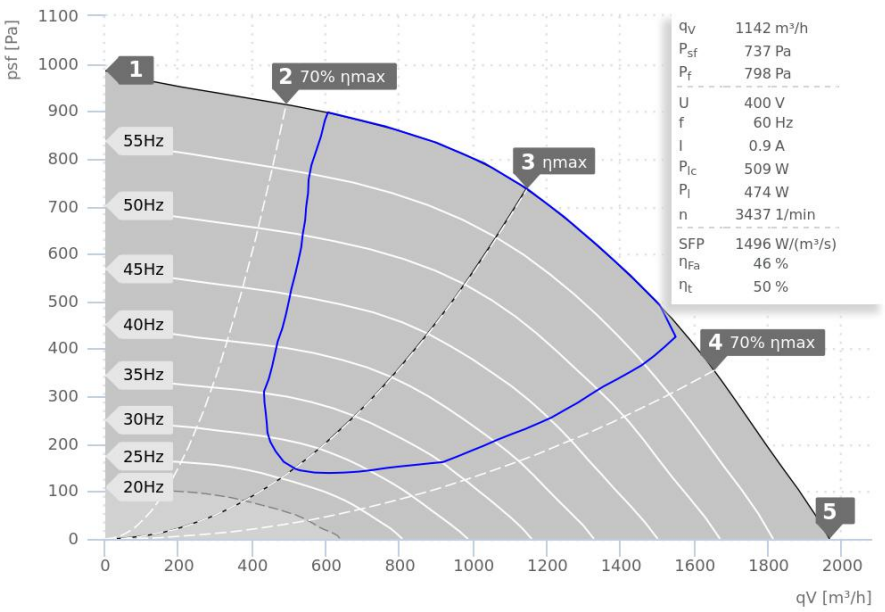
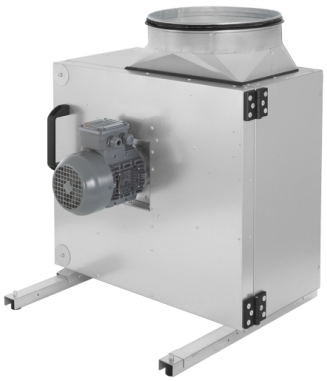
DATA SHEET

MPS 225 D2 40 | 156622



— **ErP compliant range**



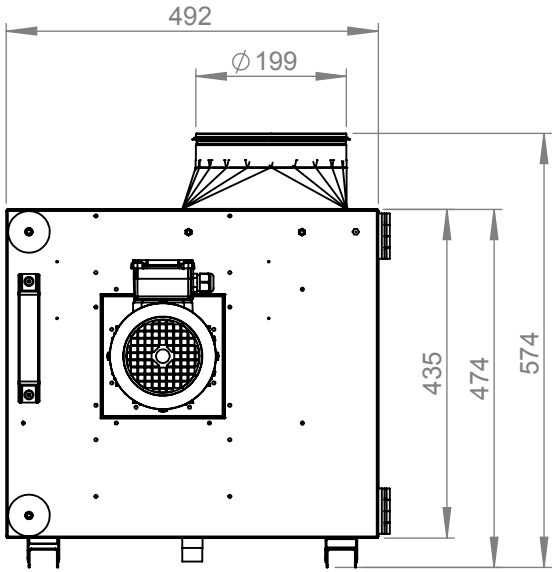
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain
- Star-Delta operation possible
- Star: direct 400V 3~ grid or frequency converter with 400V output
- Delta: direct 230V 3~ grid or frequency converter with 230V 1~ input and 230V 3~ output

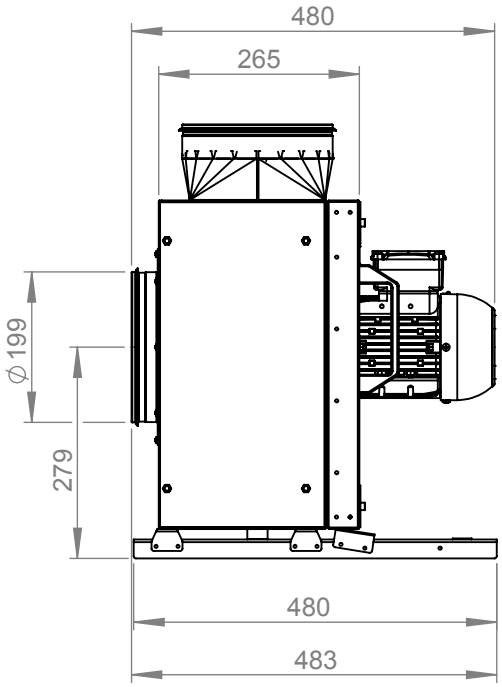
		Operating Point	1	2	3	4	5
Current I	A		0,6	0,7	0,9	0,9	0,8
Power consumption P_1	W		239	368	475	471	416
Rotation speed n	1/min		3521	3476	3437	3443	3470
SWL inlet L_{WA5}	dB(A)		82	81	79	83	85
SWL outlet L_{WA6}	dB(A)		84	83	83	87	88
SWL housing break out L_{WA2}	dB(A)		76	76	74	75	76

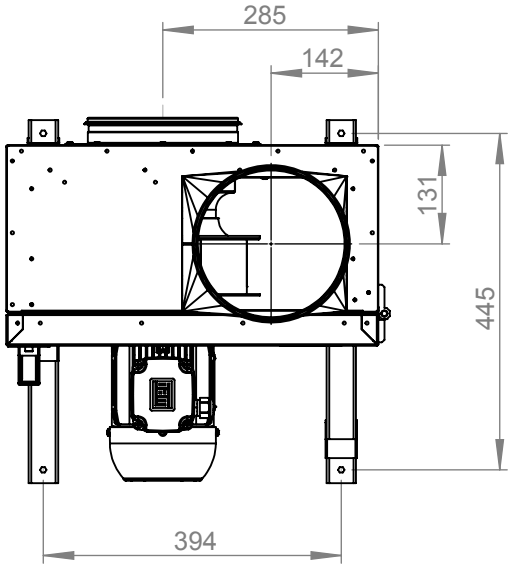
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	79	46	63	66	75	74	72	70	62
Outlet	L_{WA6}	83	46	64	66	80	75	76	73	65
Housing radiation	L_{WA2}	74	53	59	59	66	68	70	65	57

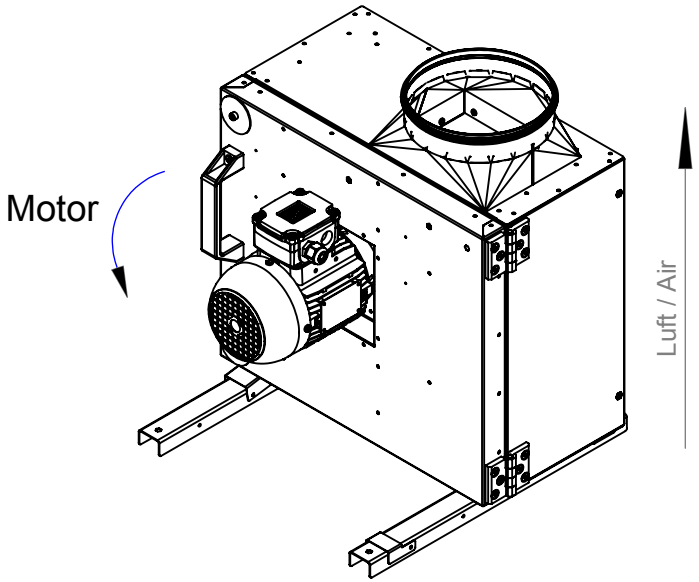
MPS 225 D2 40 | 156622	
Voltage U_N	400 V 3~
Current I_{max}	0,9 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	120 °C
Speed Control	f
Motor protection	-
Insulation class motor	F
Weight	29,3 kg
Number of poles	2
IP motor	IP55
IP terminal box	-
IP complete unit	-
Min. operating temperature	-20 °C

Ventas A/S - Gefionsvej 13 - 3400 Hillerød - tlf.: 49758810 - ventas@ventas.dk - www.ventas.dk









ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:10 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

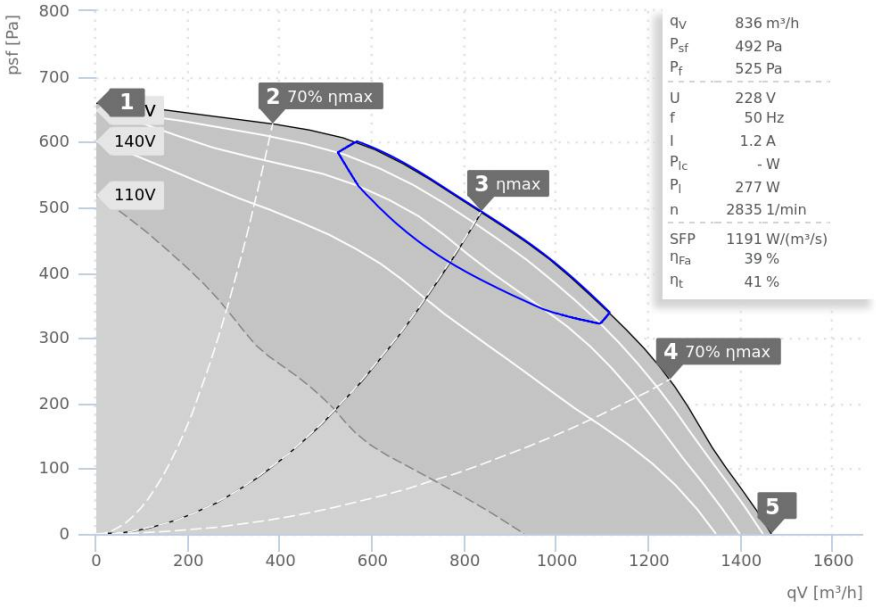
Created	s.pop	04.01.2021
Drawn	s.pop	04.01.2021
Released	s.pop	05.01.2021
Disabled		

MPS225D240

156622 00

DATA SHEET

MPS 225 E2 21 | 137879



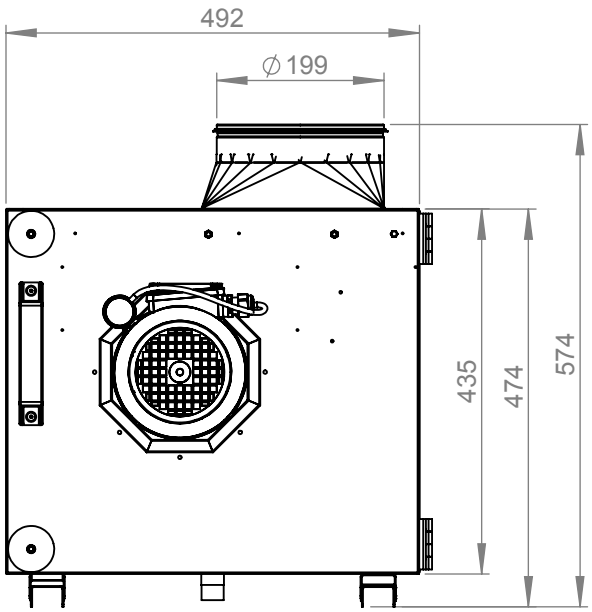
— **ErP compliant range**

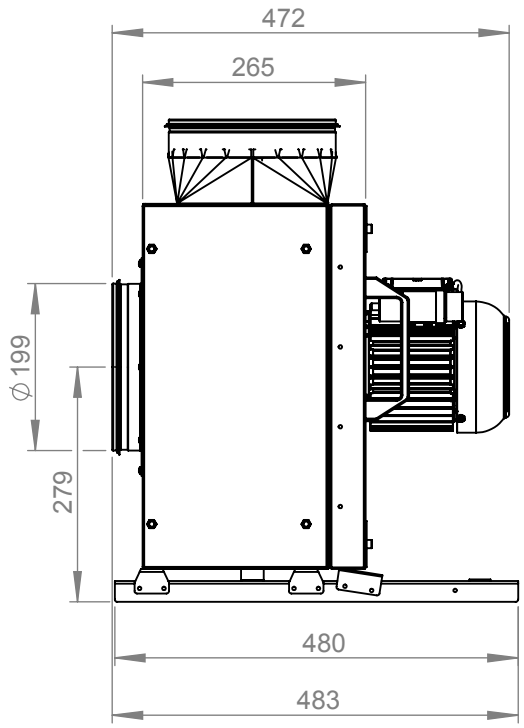
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain

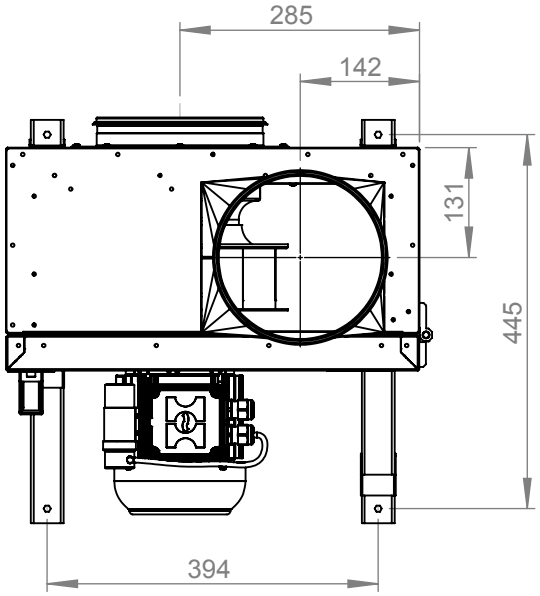
Operating Point		1	2	3	4	5
Current I	A	0,8	1,1	1,2	1,3	1,1
Power consumption P_1	W	186	236	277	282	254
Rotation speed n	1/min	2896	2866	2838	2838	2863
SWL inlet L_{WA5}	dB(A)	77	75	74	78	80
SWL outlet L_{WA6}	dB(A)	77	75	74	78	79
SWL housing break out L_{WA2}	dB(A)	70	70	69	69	70

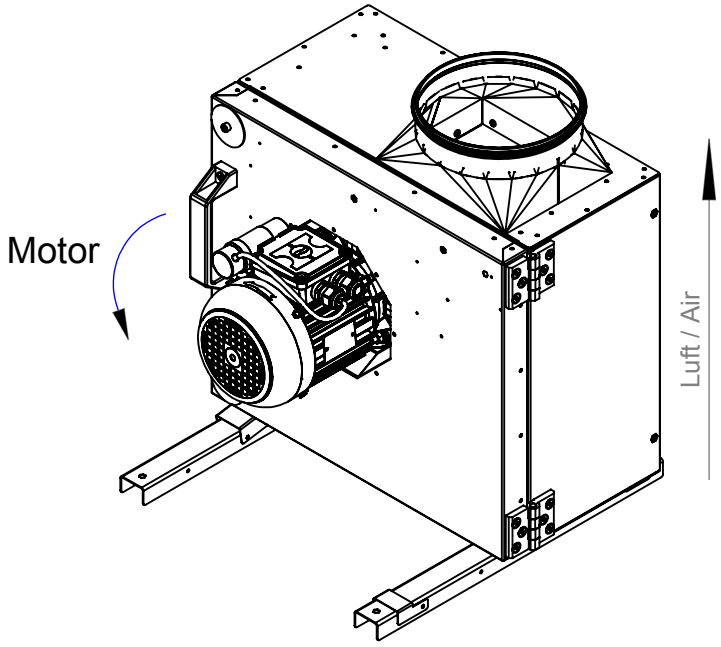
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	74	39	56	64	70	68	66	62	54
Outlet	L_{WA6}	74	50	59	67	69	66	67	63	54
Housing radiation	L_{WA2}	69	45	56	55	58	63	64	61	53

MPS 225 E2 21 | 137879	
Voltage U_N	230 V 1~
Current I_{max}	2,3 A
Ambient temperature t_A	80 °C
Conveyed medium temperature t_M	120 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	28,4 kg
Number of poles	2
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °C









ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:9 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

Created	p.guti	08.11.2016
Drawn	d.costea	11.04.2018
Released	v.brand	13.09.2019
Disabled		

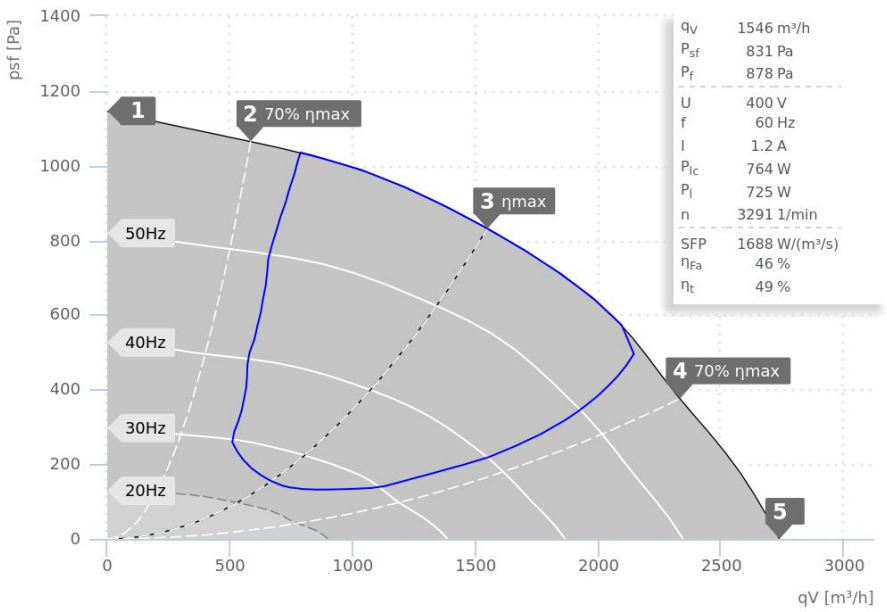
MPS225E221+

137879 03

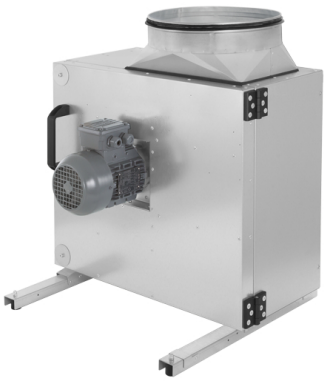
VENTAS VENTILATORER

DATA SHEET

MPS 250 D2 40 | 156623



— **ErP compliant range**

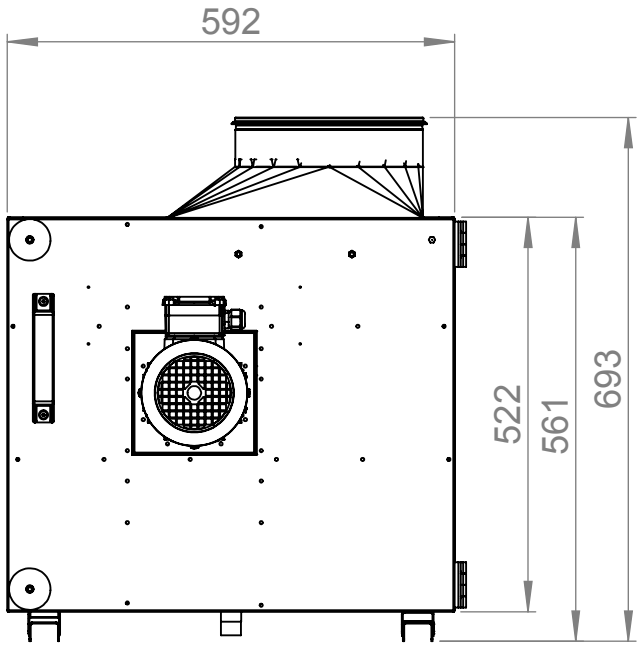


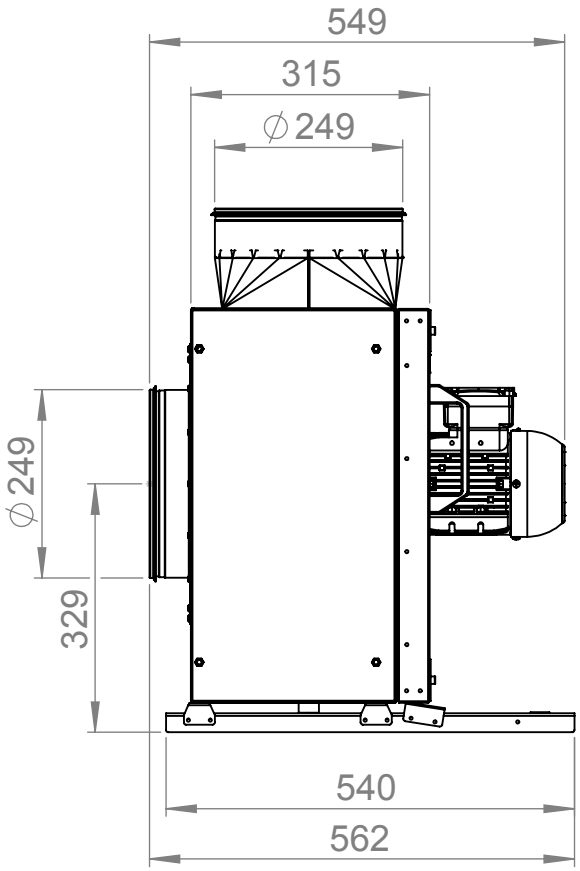
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain
- Star-Delta operation possible
- Star: direct 400V 3~ grid or frequency converter with 400V output
- Delta: direct 230V 3~ grid or frequency converter with 230V 1~ input and 230V 3~ output

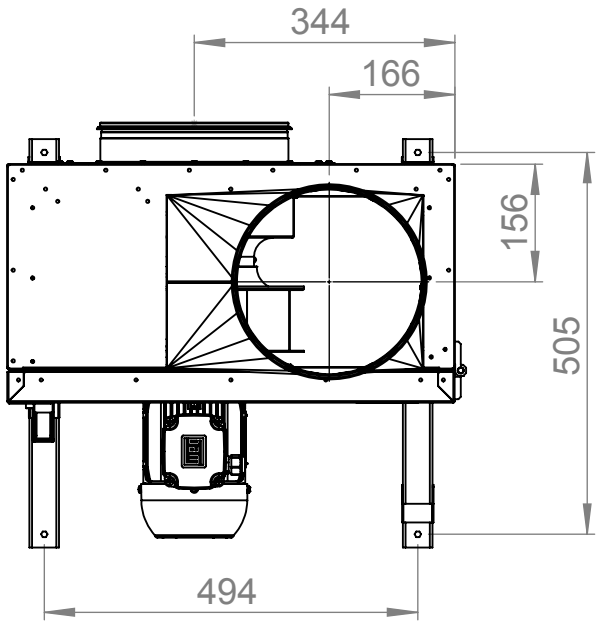
Operating Point		1	2	3	4	5
Current I	A	0,6	0,9	1,2	1,1	1,0
Power consumption P_1	W	323	508	725	698	614
Rotation speed n	1/min	3475	3391	3292	3316	3372
SWL inlet L_{WA5}	dB(A)	84	84	82	86	89
SWL outlet L_{WA6}	dB(A)	86	86	85	89	88
SWL housing break out L_{WA2}	dB(A)	75	74	72	74	75

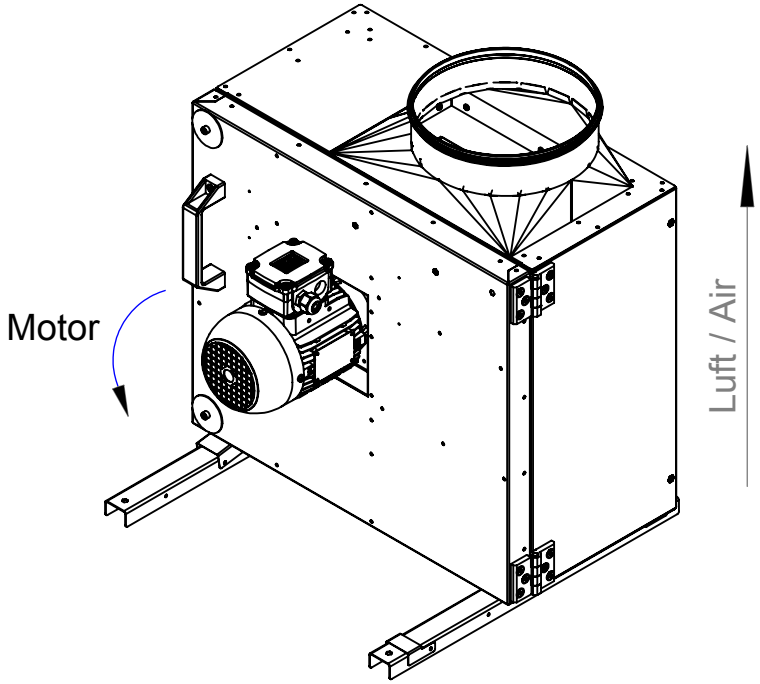
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	82	51	63	74	80	73	72	70	63
Outlet	L_{WA6}	85	57	65	80	80	76	77	72	64
Housing radiation	L_{WA2}	72	51	62	66	62	65	67	61	55

MPS 250 D2 40 | 156623	
Voltage U_N	400 V 3~
Current I_{max}	1,3 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	120 °C
Speed Control	f
Motor protection	-
Insulation class motor	F
Weight	38,0 kg
Number of poles	2
IP motor	IP55
IP terminal box	-
IP complete unit	-
Min. operating temperature	-20 °C









ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:10 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

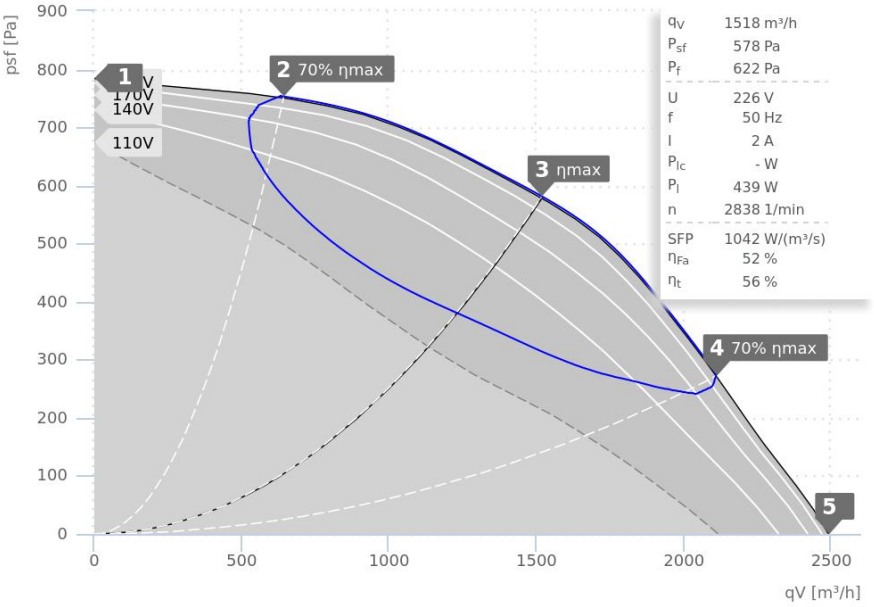
Created	s.pop	05.01.2021
Drawn	s.pop	05.01.2021
Released	s.pop	05.01.2021
Disabled		

MPS250D240

156623 00

DATA SHEET

MPS 250 E2 20 | 126646



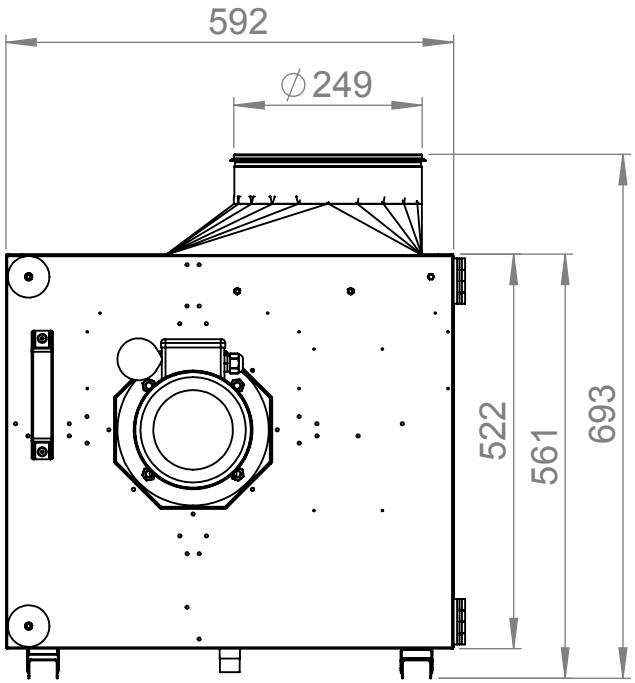
— **ErP compliant range**

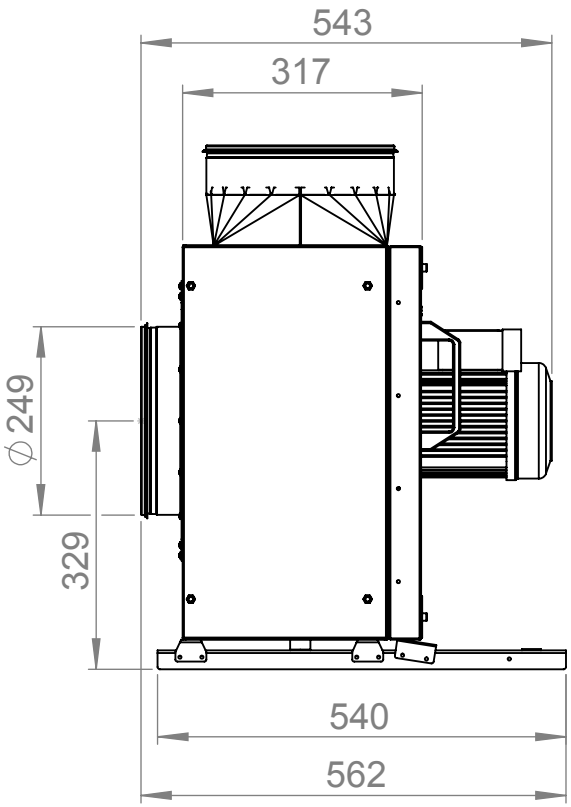
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain

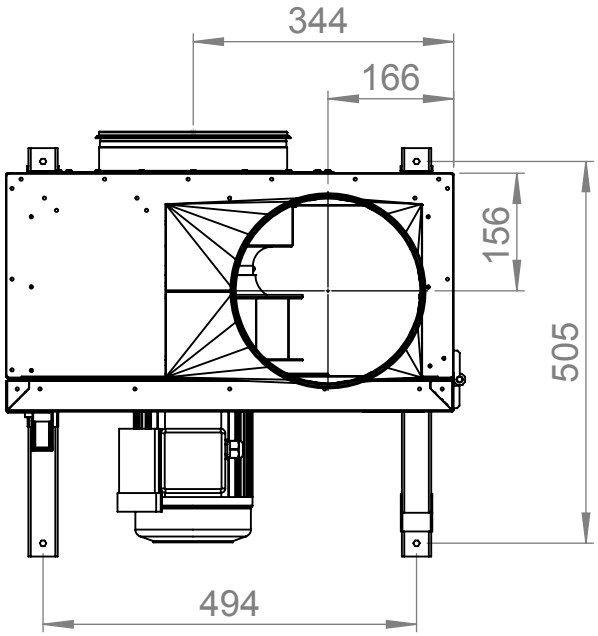
		Operating Point	1	2	3	4	5
Current I	A		1,1	1,6	1,9	1,8	1,5
Power consumption P_1	W		229	350	442	409	333
Rotation speed n	1/min		2934	2884	2844	2863	2894
SWL inlet L_{WA5}	dB(A)		76	77	78	81	83
SWL outlet L_{WA6}	dB(A)		81	79	78	80	82
SWL housing break out L_{WA2}	dB(A)		72	71	71	71	72

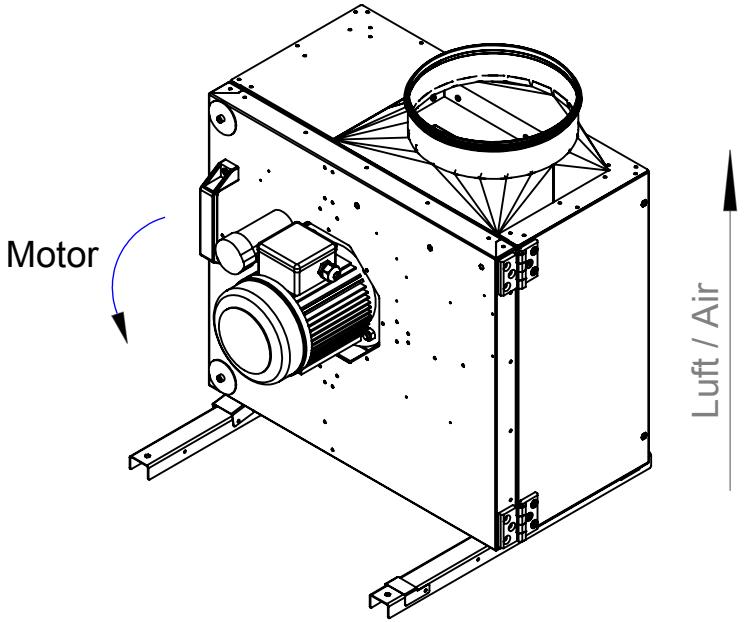
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	78	44	56	73	73	71	69	69	62
Outlet	L_{WA6}	78	46	57	72	68	71	73	70	64
Housing radiation	L_{WA2}	71	42	52	60	58	67	66	65	58

MPS 250 E2 20 | 126646	
Voltage U_N	230 V 1~
Current I_{max}	3,3 A
Ambient temperature t_A	80 °C
Conveyed medium temperature t_M	120 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	47,5 kg
Number of poles	2
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °C









ruck VENTILATOREN

ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:11 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

Created	s.pop	22.11.2012
Drawn	d.costea	11.04.2018
Released	v.brand	16.09.2019
Disabled		

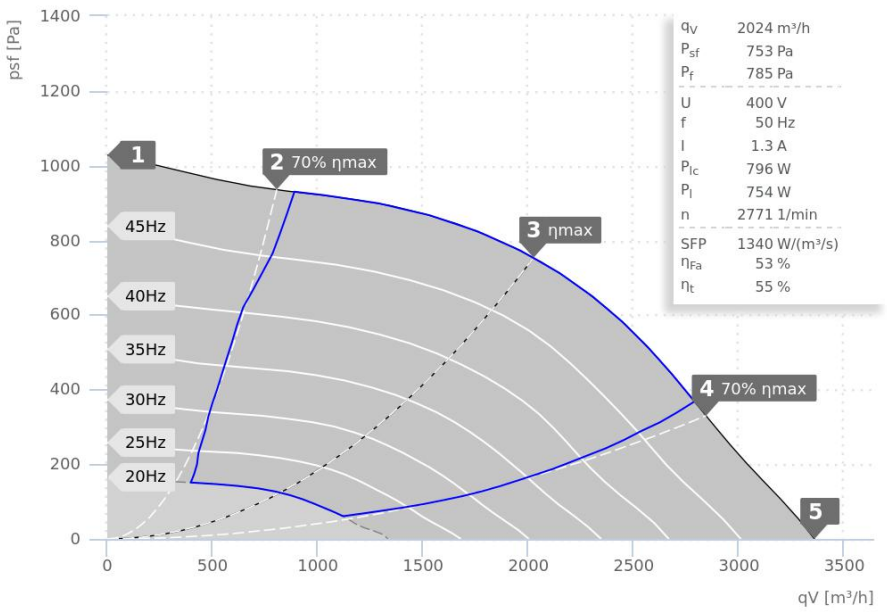
MPS250E220+

126646 03

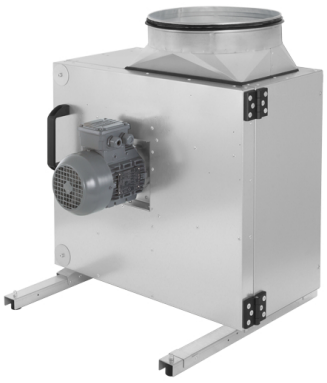
VENTAS VENTILATORER

DATA SHEET

MPS 280 D2 40 | 156624



— **ErP compliant range**

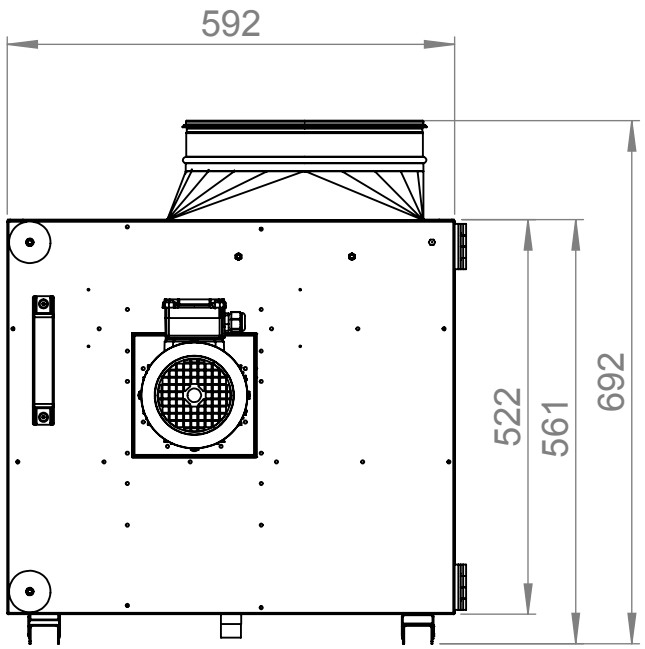


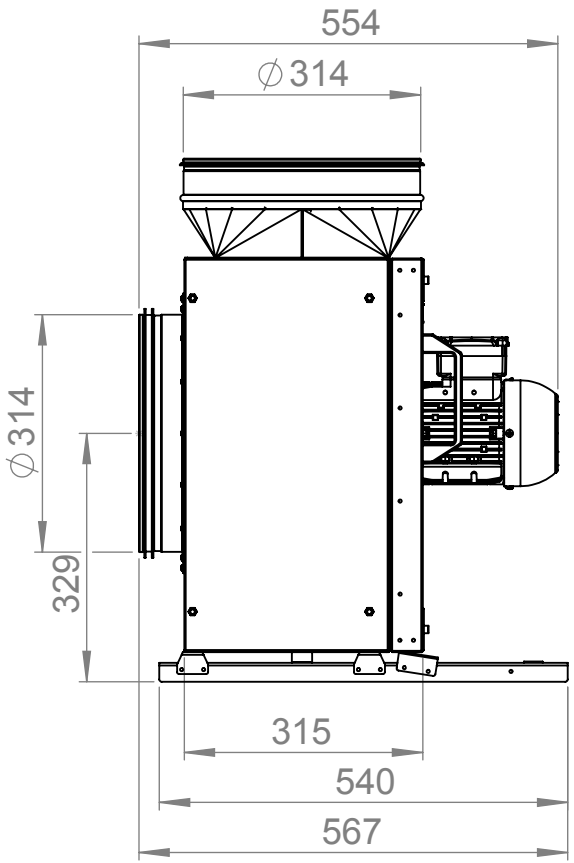
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain
- Star-Delta operation possible
- Star: direct 400V 3~ grid or frequency converter with 400V output
- Delta: direct 230V 3~ grid or frequency converter with 230V 1~ input and 230V 3~ output

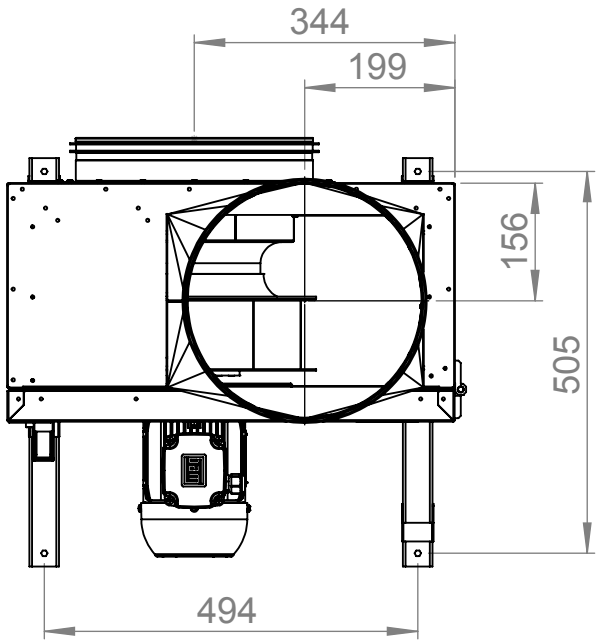
Operating Point		1	2	3	4	5
Current I	A	0,8	1,0	1,3	1,1	1,0
Power consumption P_1	W	323	551	753	659	558
Rotation speed n	1/min	2910	2835	2771	2810	2852
SWL inlet L_{WA5}	dB(A)	84	82	81	85	86
SWL outlet L_{WA6}	dB(A)	86	86	85	88	90
SWL housing break out L_{WA2}	dB(A)	75	75	75	77	75

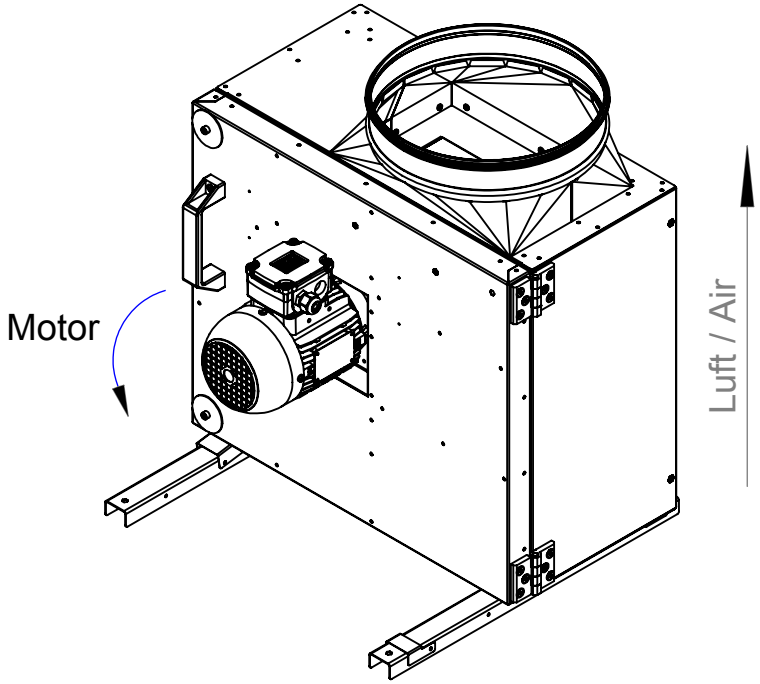
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	81	40	56	73	75	77	73	70	63
Outlet	L_{WA6}	85	48	62	82	76	78	78	74	67
Housing radiation	L_{WA2}	75	53	57	64	58	74	64	57	50

MPS 280 D2 40 | 156624	
Voltage U_N	400 V 3~
Current I_{max}	1,3 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	120 °C
Speed Control	f
Motor protection	-
Insulation class motor	F
Weight	38,5 kg
Number of poles	2
IP motor	IP55
IP terminal box	-
IP complete unit	-
Min. operating temperature	-20 °C









ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:10 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

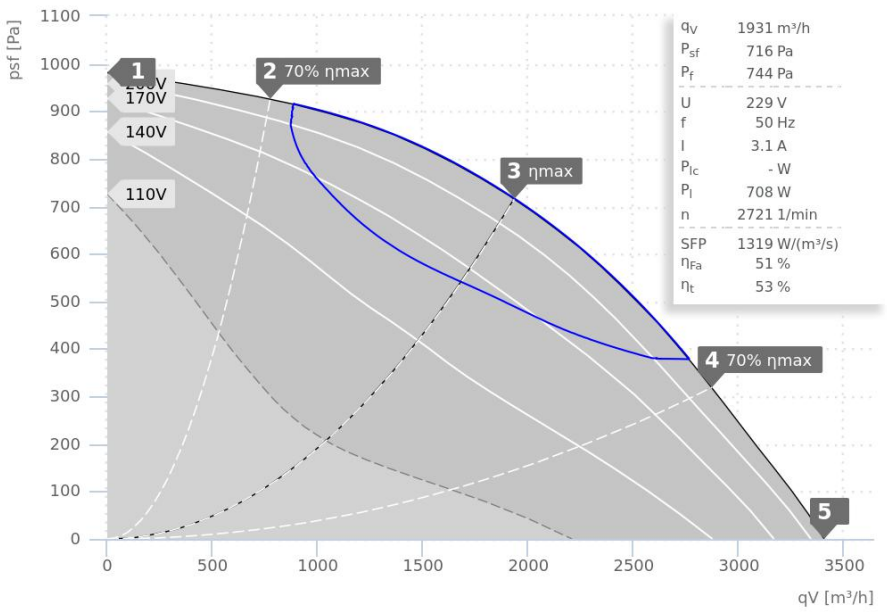
Created	s.pop	05.01.2021
Drawn	s.pop	05.01.2021
Released	s.pop	05.01.2021
Disabled		

MPS280D240

156624 00

DATA SHEET

MPS 280 E2 20 | 126647



— **ErP compliant range**

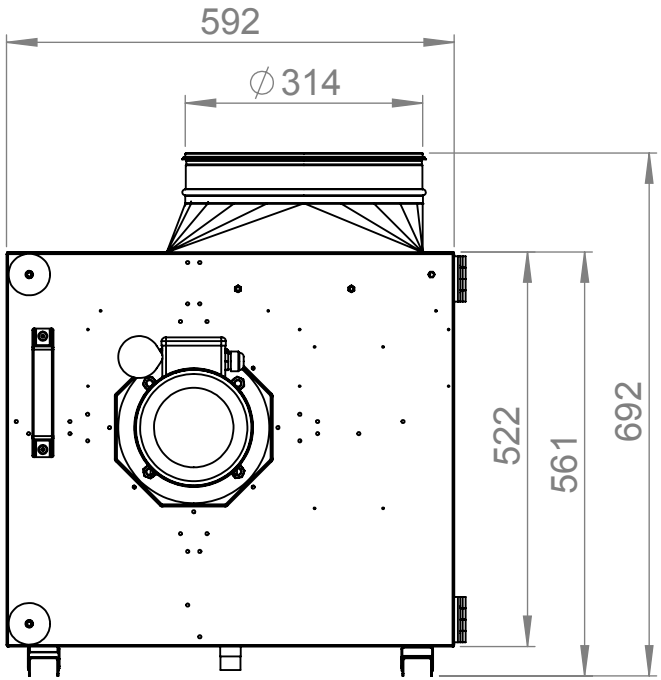
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain

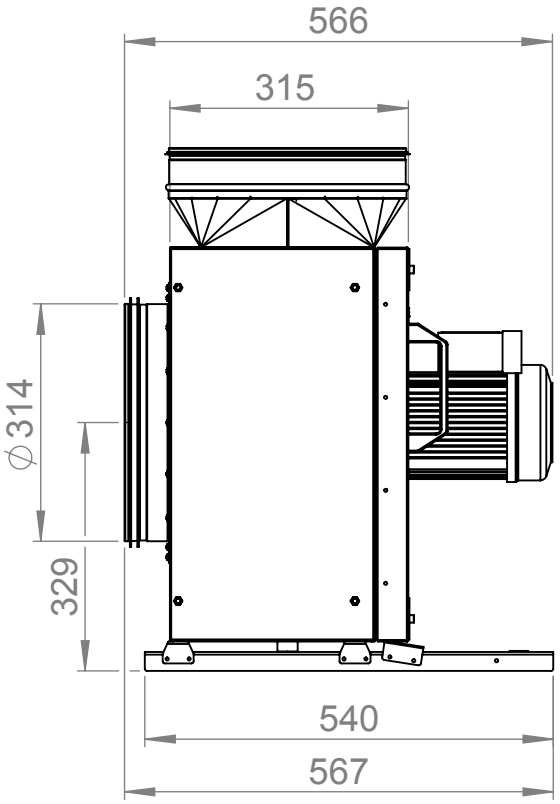
		Operating Point	1	2	3	4	5
Current I		A	1,7	2,4	3,1	2,9	2,5
Power consumption P_1		W	343	531	709	669	562
Rotation speed n		1/min	2888	2810	2723	2754	2805
SWL inlet L_{WA5}		dB(A)	84	81	80	83	85
SWL outlet L_{WA6}		dB(A)	86	84	83	86	89
SWL housing break out L_{WA2}		dB(A)	77	76	74	75	75

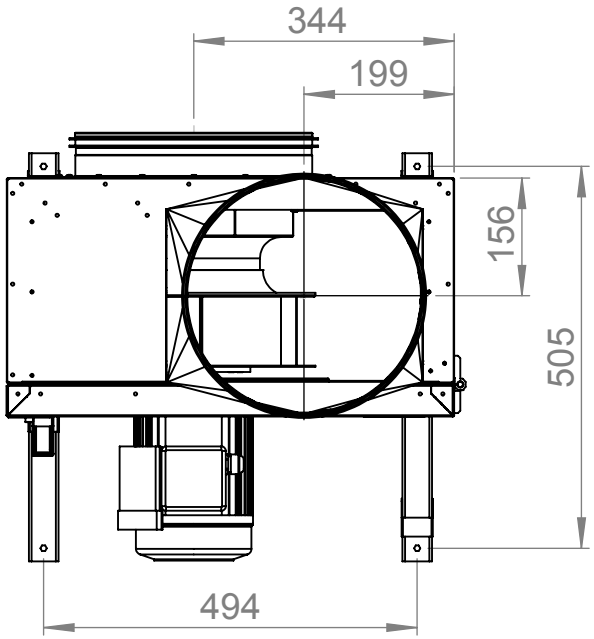
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	80	54	59	71	75	74	72	70	67
Outlet	L_{WA6}	83	57	65	75	74	77	77	75	70
Housing radiation	L_{WA2}	74	50	58	67	63	70	66	62	57

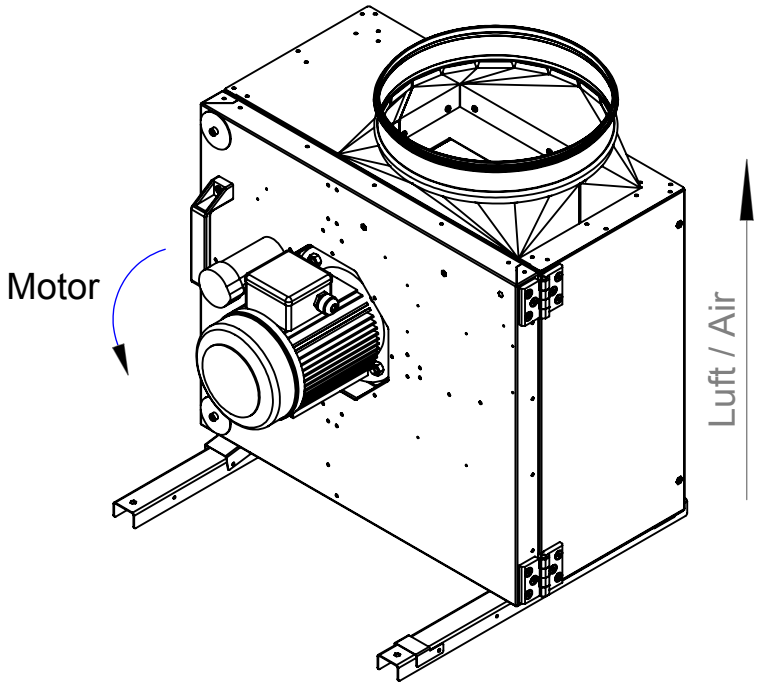
MPS 280 E2 20 | 126647	
Voltage U_N	230 V 1~
Current I_{max}	4,1 A
Ambient temperature t_A	80 °C
Conveyed medium temperature t_M	120 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	47,5 kg
Number of poles	2
IP motor	IP54
IP terminal box	IP54
IP complete unit	IPX4
Min. operating temperature	-25 °C

Print 14.03.2022









ruck VENTILATOREN

ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:10 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

Created	s.pop	22.11.2012
Drawn	d.costea	11.04.2018
Released	v.brand	16.09.2019
Disabled		

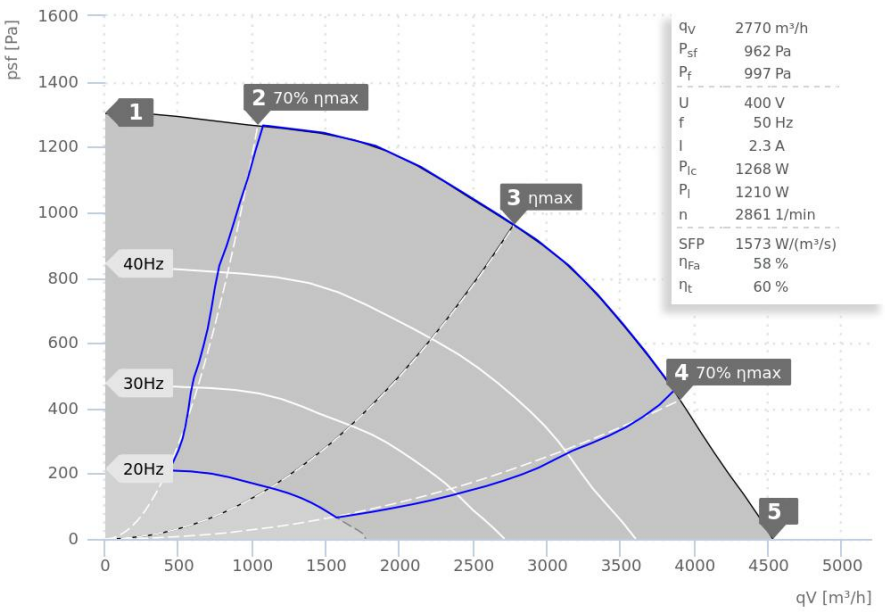
MPS280E220+

126647 03

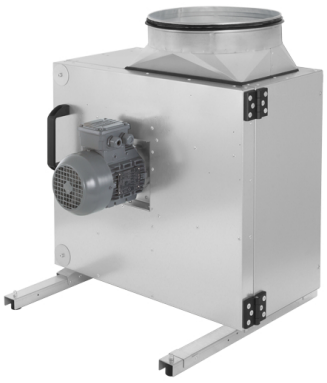
VENTAS VENTILATORER

DATA SHEET

MPS 315 D2 40 | 156626



— **ErP compliant range**

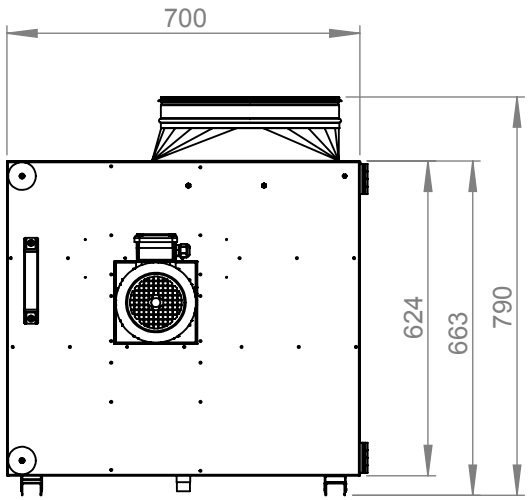


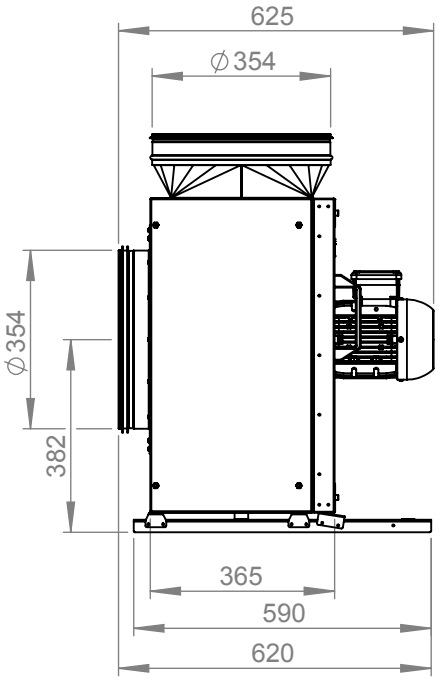
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain
- Star-Delta operation possible
- Star: direct 400V 3~ grid or frequency converter with 400V output
- Delta: direct 230V 3~ grid or frequency converter with 230V 1~ input and 230V 3~ output

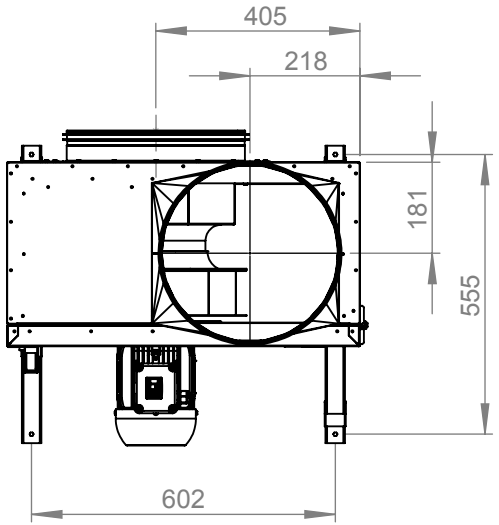
Operating Point		1	2	3	4	5
Current I	A	1,6	1,9	2,3	2,1	1,9
Power consumption P_1	W	490	866	1211	1070	861
Rotation speed n	1/min	2944	2901	2862	2885	2916
SWL inlet L_{WA5}	dB(A)	87	86	87	91	93
SWL outlet L_{WA6}	dB(A)	89	88	87	90	92
SWL housing break out L_{WA2}	dB(A)	77	75	72	75	75

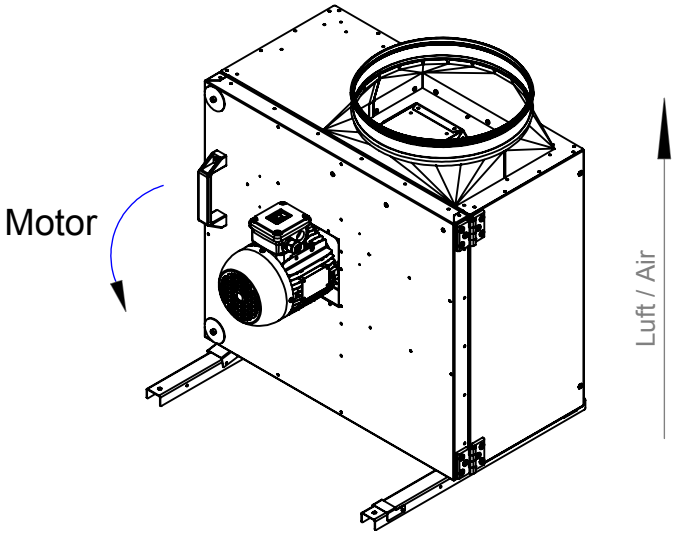
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	87	48	61	84	80	76	76	74	68
Outlet	L_{WA6}	87	51	63	82	78	81	80	76	69
Housing radiation	L_{WA2}	72	50	58	66	62	65	66	63	54

MPS 315 D2 40 | 156626	
Voltage U_N	400 V 3~
Current I_{max}	2,4 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	120 °C
Speed Control	f
Motor protection	-
Insulation class motor	F
Weight	52,9 kg
Number of poles	2
IP motor	IP55
IP terminal box	-
IP complete unit	-
Min. operating temperature	-20 °C









ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:15 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

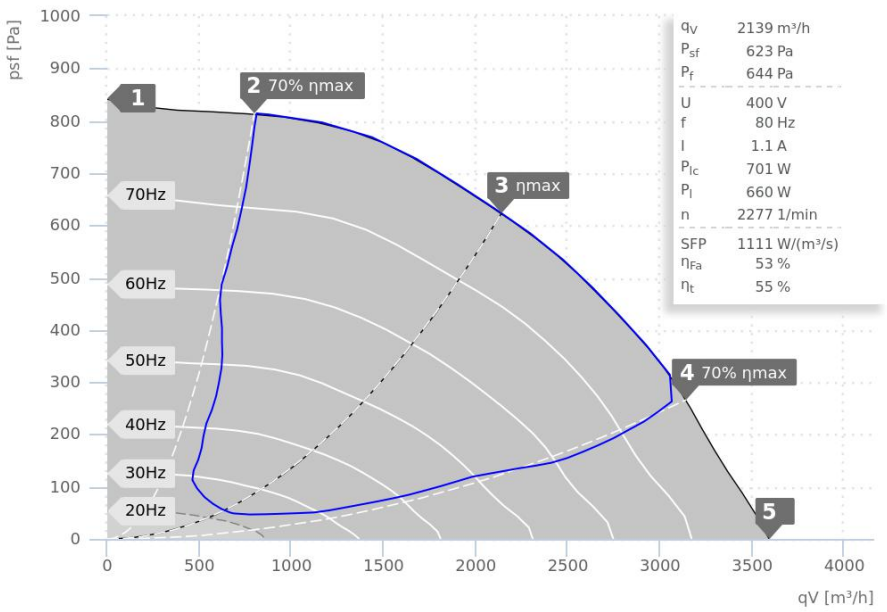
Created	s.pop	05.01.2021
Drawn	s.pop	05.01.2021
Released	s.pop	05.01.2021
Disabled		

MPS315D240

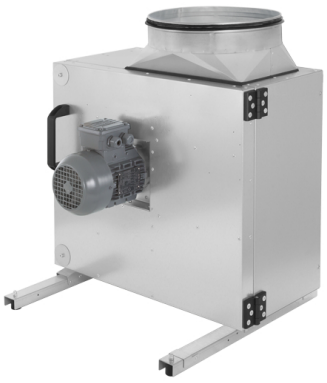
156626 00

DATA SHEET

MPS 315 D4 40 | 156627



— **ErP compliant range**



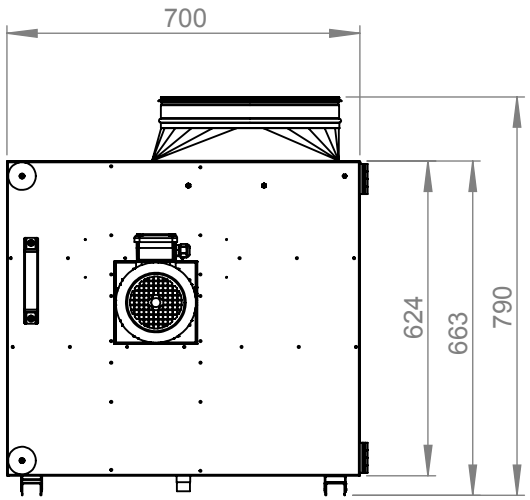
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain
- Star-Delta operation possible
- Star: direct 400V 3~ grid or frequency converter with 400V output
- Delta: direct 230V 3~ grid or frequency converter with 230V 1~ input and 230V 3~ output

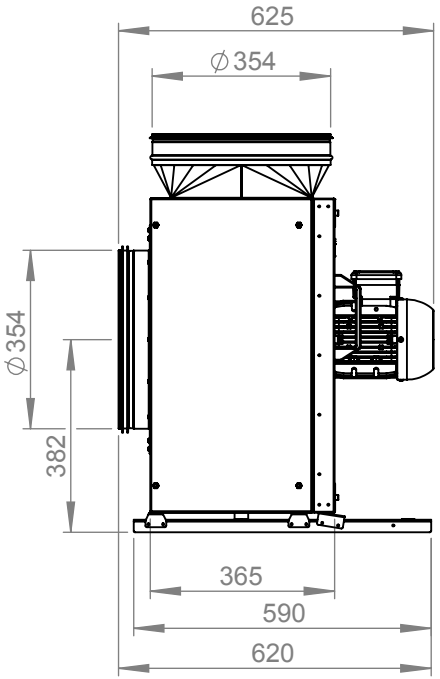
Operating Point		1	2	3	4	5
Current I	A	0,6	0,8	1,1	1,0	0,8
Power consumption P_1	W	267	461	660	583	471
Rotation speed n	1/min	2353	2317	2277	2299	2320
SWL inlet L_{WA5}	dB(A)	80	79	79	83	85
SWL outlet L_{WA6}	dB(A)	82	80	80	84	89
SWL housing break out L_{WA2}	dB(A)	71	70	71	72	72

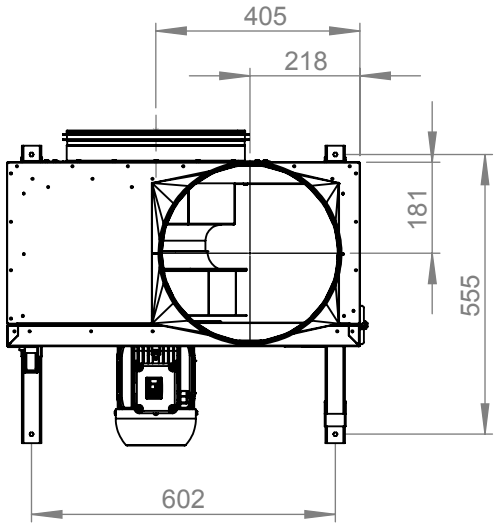
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	79	39	57	73	73	71	71	67	60
Outlet	L_{WA6}	80	44	56	75	71	75	74	68	61
Housing radiation	L_{WA2}	71	42	53	66	56	60	68	55	48

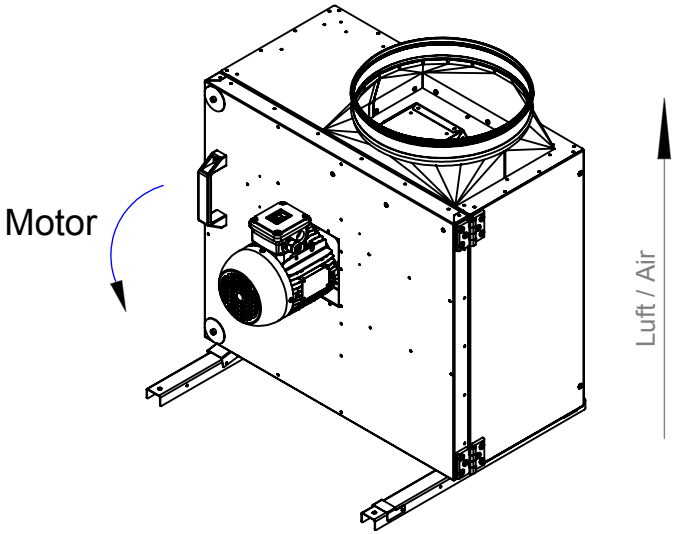
MPS 315 D4 40 | 156627	
Voltage U_N	400 V 3~
Current I_{max}	1,2 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	120 °C
Speed Control	f
Motor protection	-
Insulation class motor	F
Weight	52,9 kg
Number of poles	4
IP motor	IP55
IP terminal box	-
IP complete unit	-
Min. operating temperature	-20 °C

Print 14.03.2022









ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:15 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

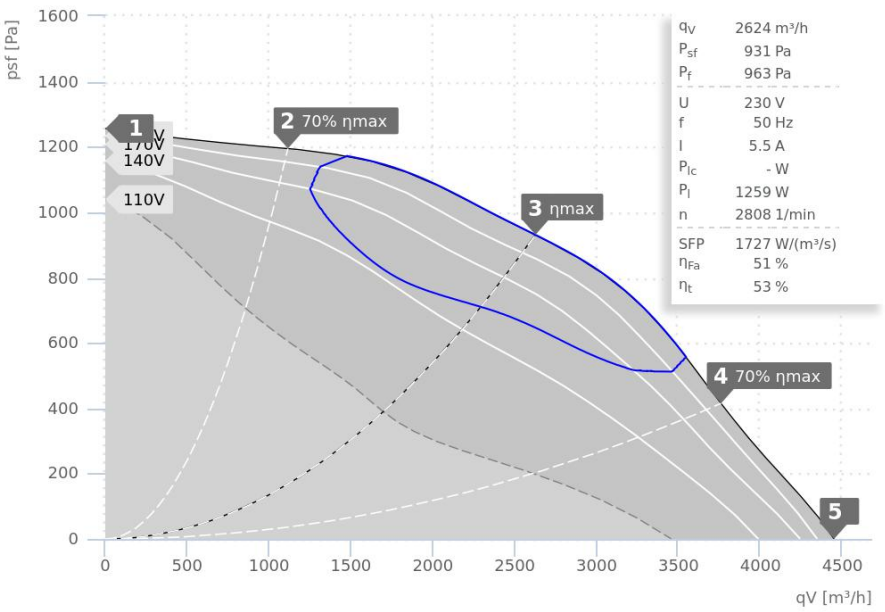
Created	s.pop	05.01.2021
Drawn	s.pop	05.01.2021
Released	s.pop	05.01.2021
Disabled		

MPS315D440

156627 00

DATA SHEET

MPS 315 E2 21 | 137079



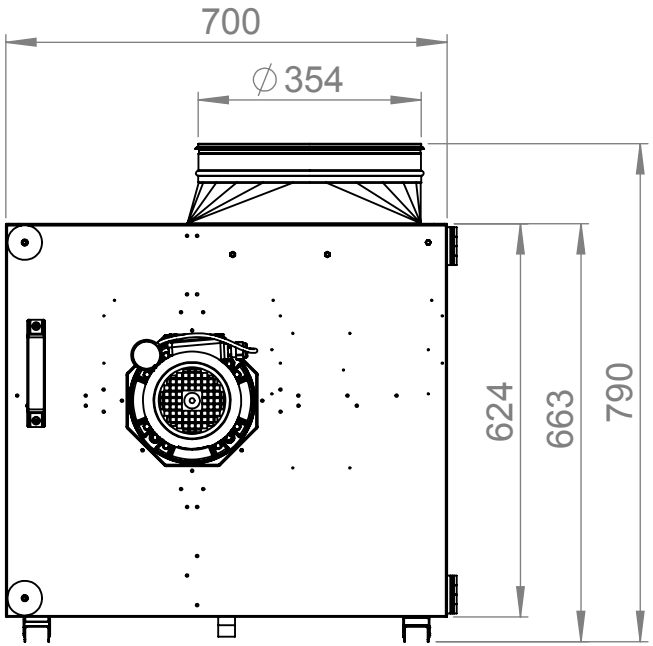
— **ErP compliant range**

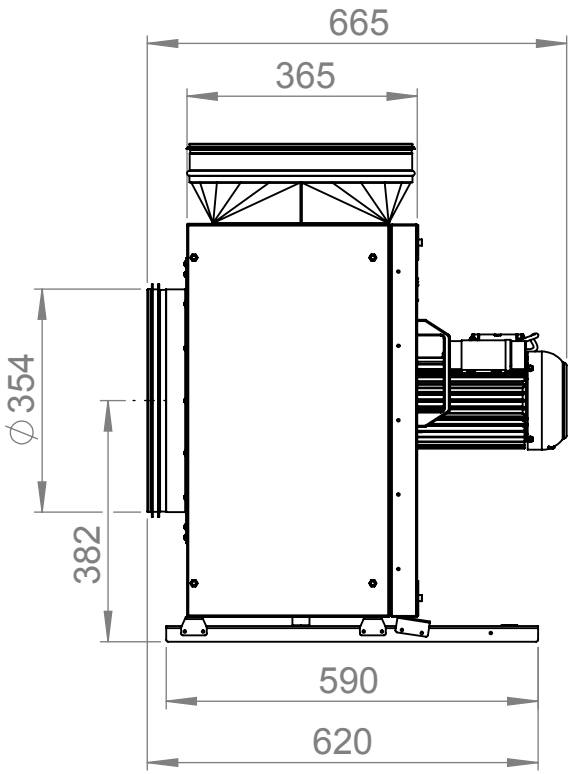
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain

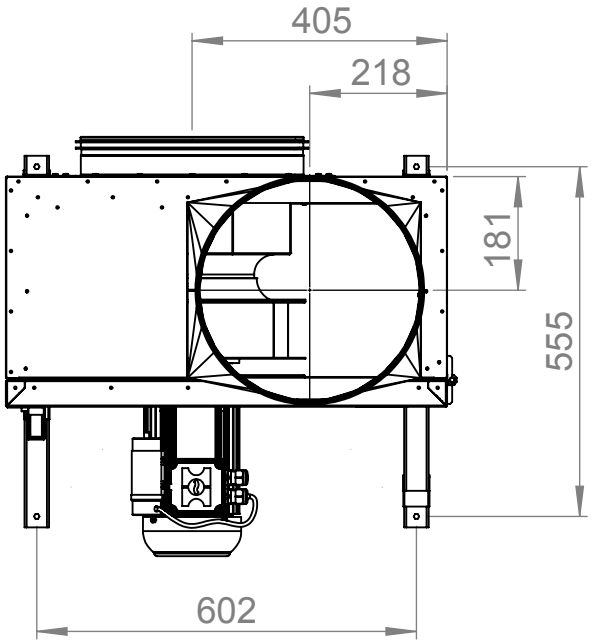
		Operating Point	1	2	3	4	5
Current I	A		3,0	4,3	5,5	5,0	4,3
Power consumption P_1	W		651	991	1260	1137	978
Rotation speed n	1/min		2918	2866	2809	2841	2875
SWL inlet L_{WA5}	dB(A)		86	84	86	89	91
SWL outlet L_{WA6}	dB(A)		89	86	84	88	90
SWL housing break out L_{WA2}	dB(A)		77	75	73	75	76

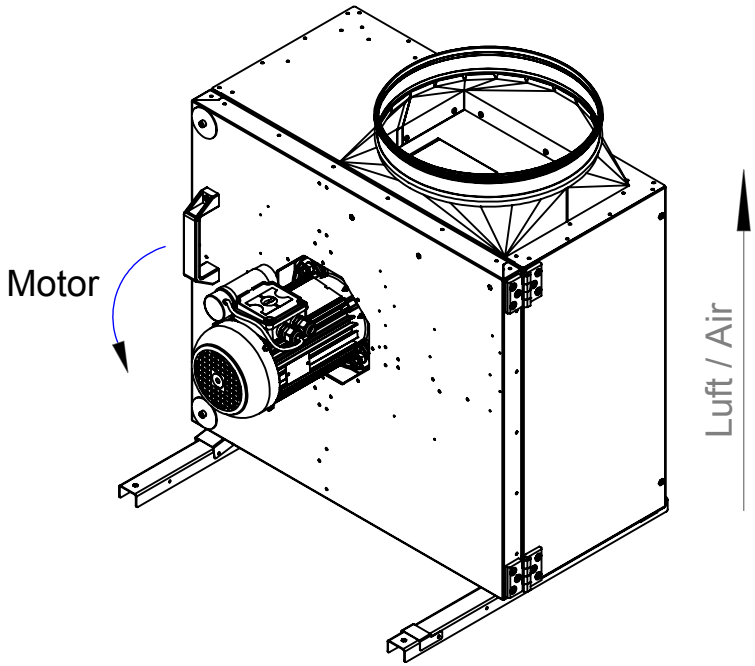
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	86	47	61	83	81	76	76	74	67
Outlet	L_{WA6}	84	48	62	78	75	78	78	75	68
Housing radiation	L_{WA2}	73	52	62	65	64	66	68	65	58

MPS 315 E2 21 | 137079	
Voltage U_N	230 V 1~
Current I_{max}	7,6 A
Ambient temperature t_A	50 °C
Conveyed medium temperature t_M	120 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	54,5 kg
Number of poles	2
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °C









ruck VENTILATOREN

ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:12 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

Created	s.pop	30.05.2016
Drawn	d.costea	11.04.2018
Released	v.brand	16.09.2019
Disabled		

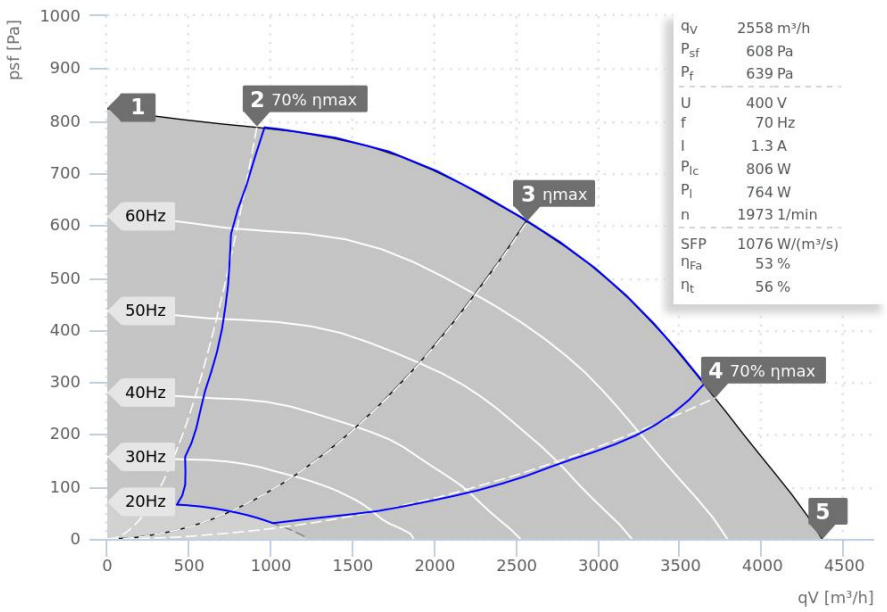
MPS315E221+

137079 03

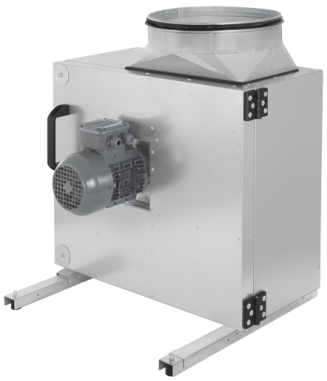
VENTAS VENTILATORER

DATA SHEET

MPS 355 D4 40 | 156628



— **ErP compliant range**

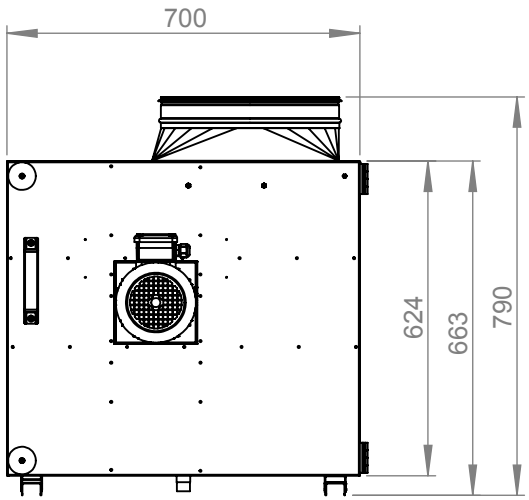


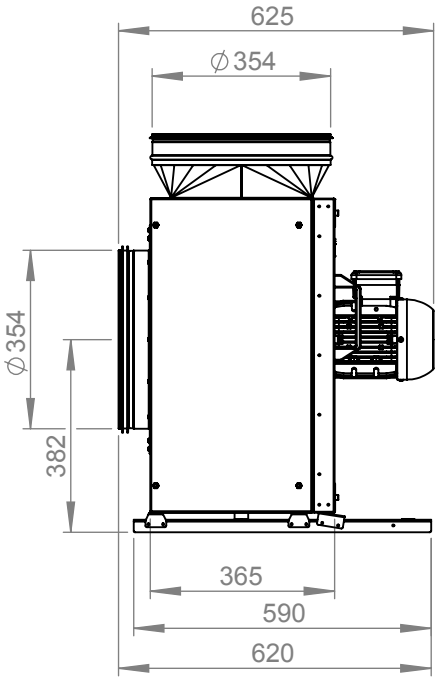
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain
- Star-Delta operation possible
- Star: direct 400V 3~ grid or frequency converter with 400V output
- Delta: direct 230V 3~ grid or frequency converter with 230V 1~ input and 230V 3~ output

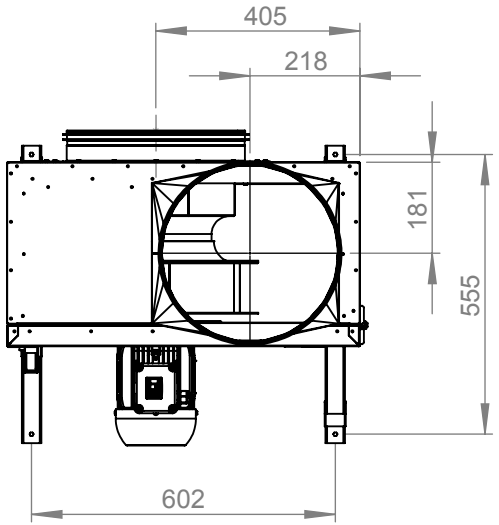
Operating Point		1	2	3	4	5
Current I	A	0,6	0,9	1,3	1,2	1,0
Power consumption P_1	W	302	514	768	698	575
Rotation speed n	1/min	2053	2019	1974	1992	2016
SWL inlet L_{WA5}	dB(A)	82	81	81	84	86
SWL outlet L_{WA6}	dB(A)	83	82	82	84	86
SWL housing break out L_{WA2}	dB(A)	72	69	68	71	73

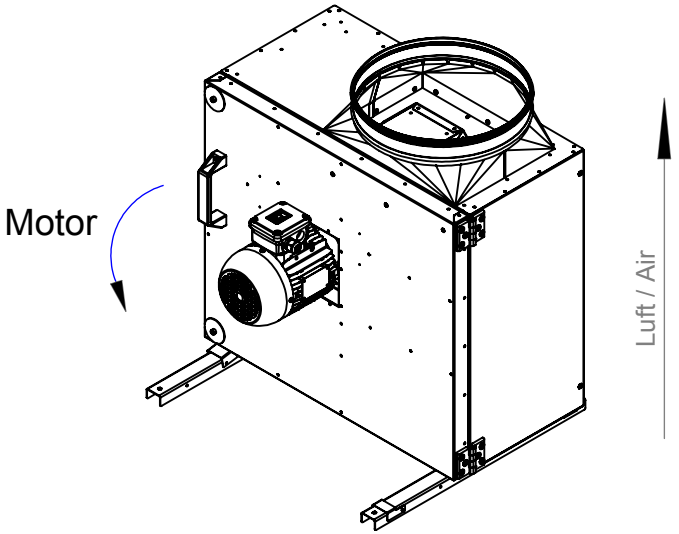
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	81	45	59	72	75	75	75	73	70
Outlet	L_{WA6}	82	46	58	72	72	76	76	74	68
Housing radiation	L_{WA2}	68	45	56	65	57	59	62	56	52

MPS 355 D4 40 | 156628	
Voltage U_N	400 V 3~
Current I_{max}	1,4 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	120 °C
Speed Control	f
Motor protection	-
Insulation class motor	F
Weight	54,7 kg
Number of poles	4
IP motor	IP55
IP terminal box	-
IP complete unit	-
Min. operating temperature	-20 °C









ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:15 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

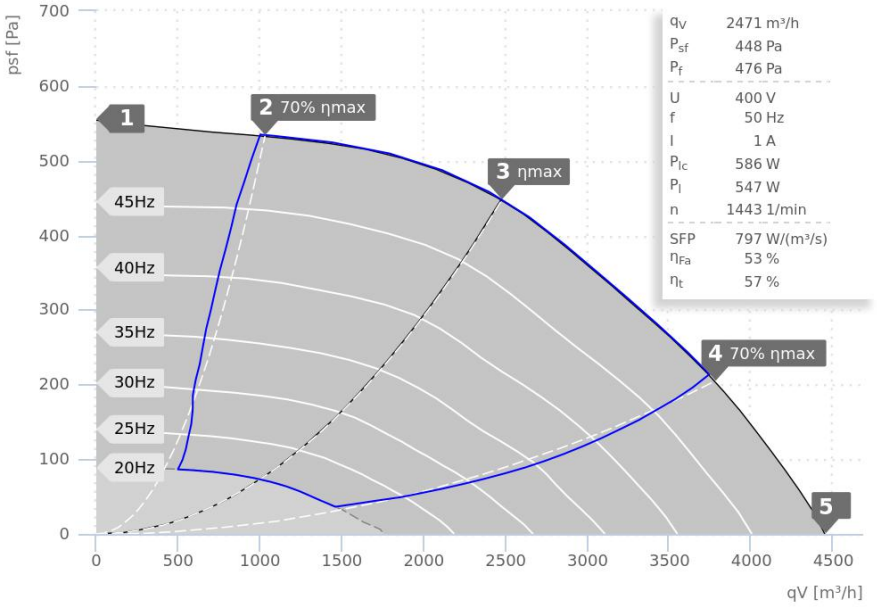
Created	s.pop	05.01.2021
Drawn	s.pop	05.01.2021
Released	s.pop	05.01.2021
Disabled		

MPS355D440

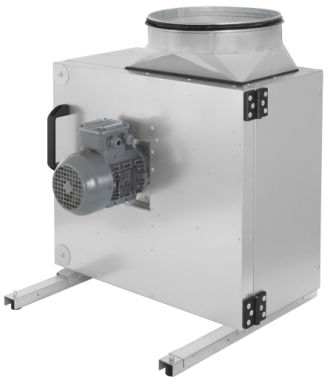
156628 00

DATA SHEET

MPS 400 D4 40 | 156629



— **ErP compliant range**

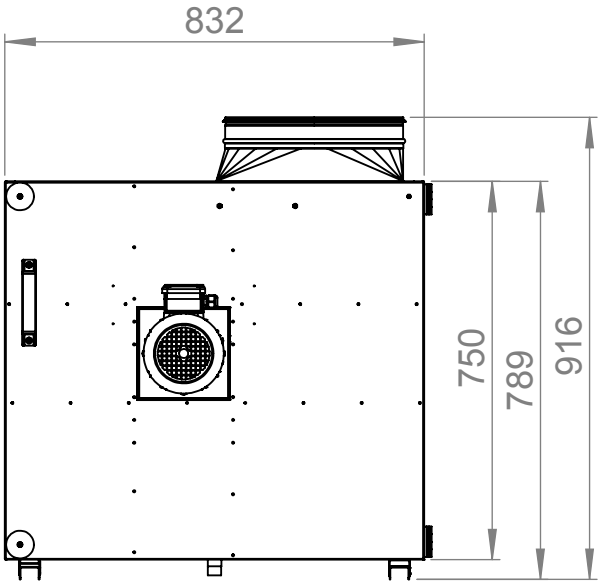


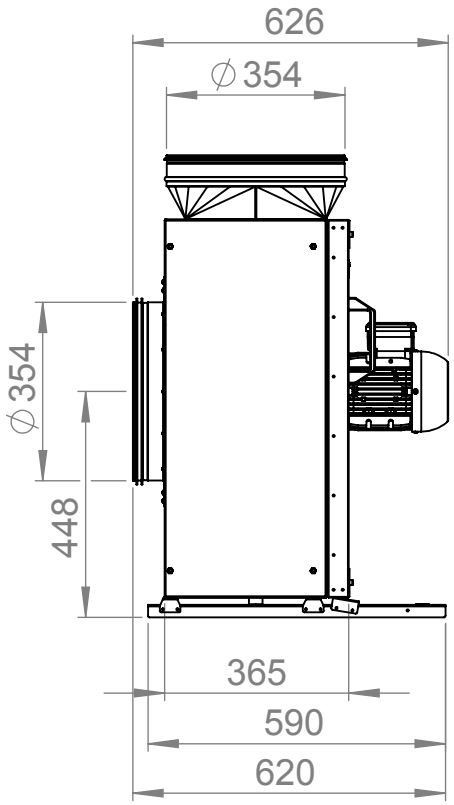
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain
- Star-Delta operation possible
- Star: direct 400V 3~ grid or frequency converter with 400V output
- Delta: direct 230V 3~ grid or frequency converter with 230V 1~ input and 230V 3~ output

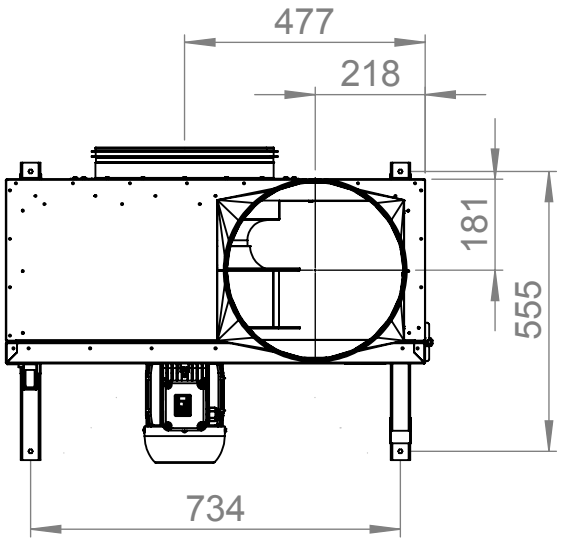
Operating Point		1	2	3	4	5
Current I	A	0,7	0,9	1,0	1,0	1,0
Power consumption P_1	W	234	395	550	549	458
Rotation speed n	1/min	1476	1461	1446	1448	1458
SWL inlet L_{WA5}	dB(A)	74	73	74	78	80
SWL outlet L_{WA6}	dB(A)	75	74	74	77	79
SWL housing break out L_{WA2}	dB(A)	66	65	66	70	72

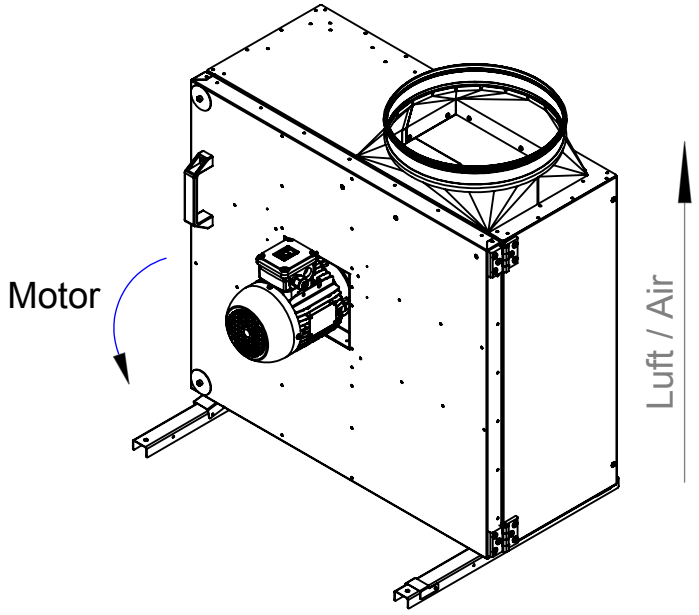
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	74	42	66	68	67	66	66	63	55
Outlet	L_{WA6}	74	45	64	65	65	70	67	63	56
Housing radiation	L_{WA2}	-	-	-	-	-	-	-	-	-

MPS 400 D4 40 | 156629	
Voltage U_N	400 V 3~
Current I_{max}	1,1 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	120 °C
Speed Control	f
Motor protection	-
Insulation class motor	F
Weight	72,1 kg
Number of poles	4
IP motor	IP55
IP terminal box	-
IP complete unit	-
Min. operating temperature	-20 °C









ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:15 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

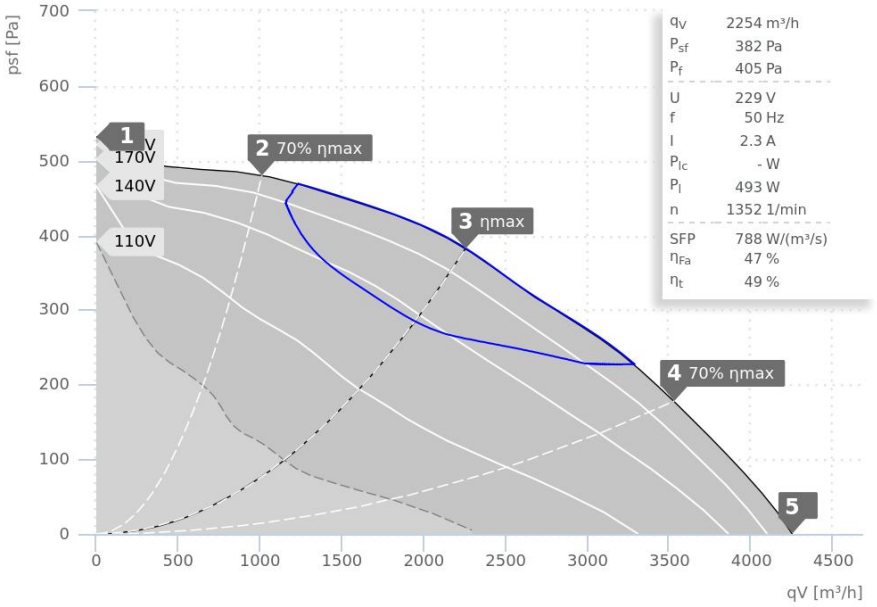
Created	s.pop	06.01.2021
Drawn	s.pop	06.01.2021
Released	s.pop	06.01.2021
Disabled		

MPS400D440

156629 00

DATA SHEET

MPS 400 E4 21 | 138005



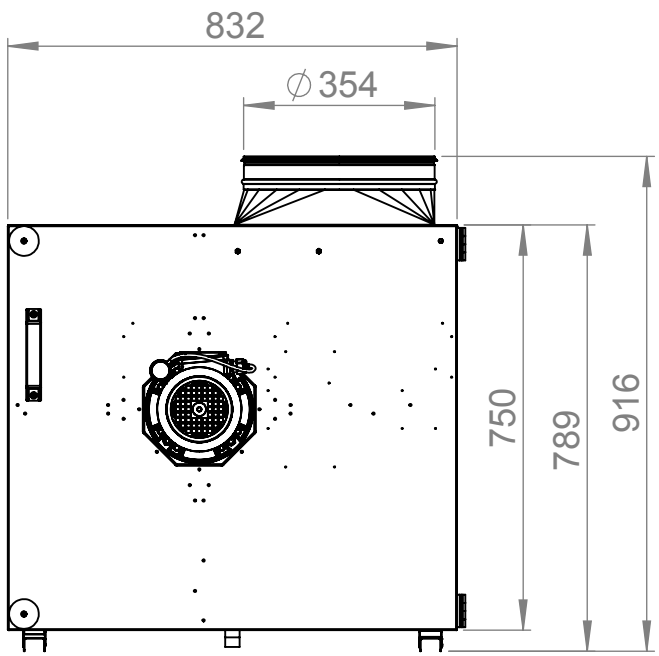
— **ErP compliant range**

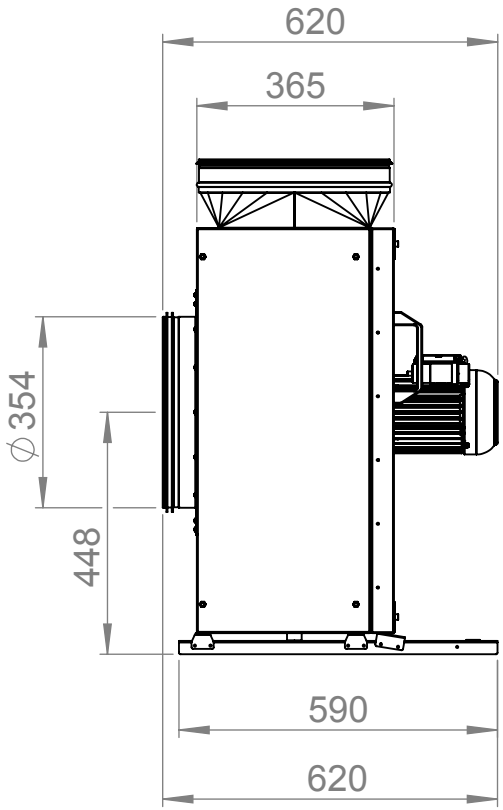
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain

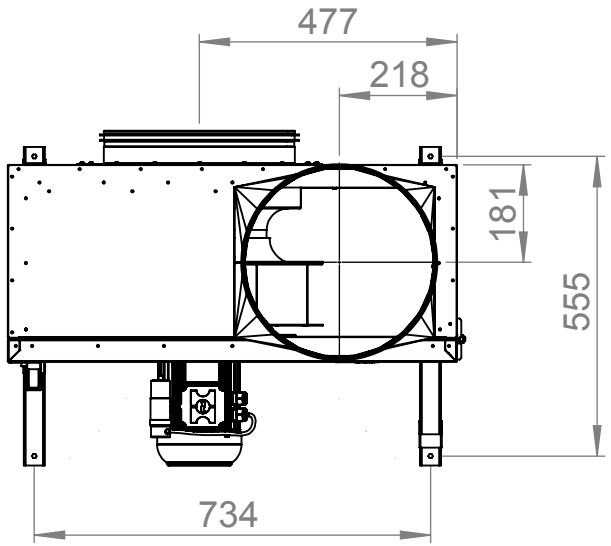
		Operating Point	1	2	3	4	5
Current I	A		1,4	1,9	2,3	2,4	2,1
Power consumption P_1	W		257	394	494	512	446
Rotation speed n	1/min		1445	1394	1354	1348	1378
SWL inlet L_{WA5}	dB(A)		74	72	70	75	78
SWL outlet L_{WA6}	dB(A)		75	73	72	75	79
SWL housing break out L_{WA2}	dB(A)		64	63	62	66	69

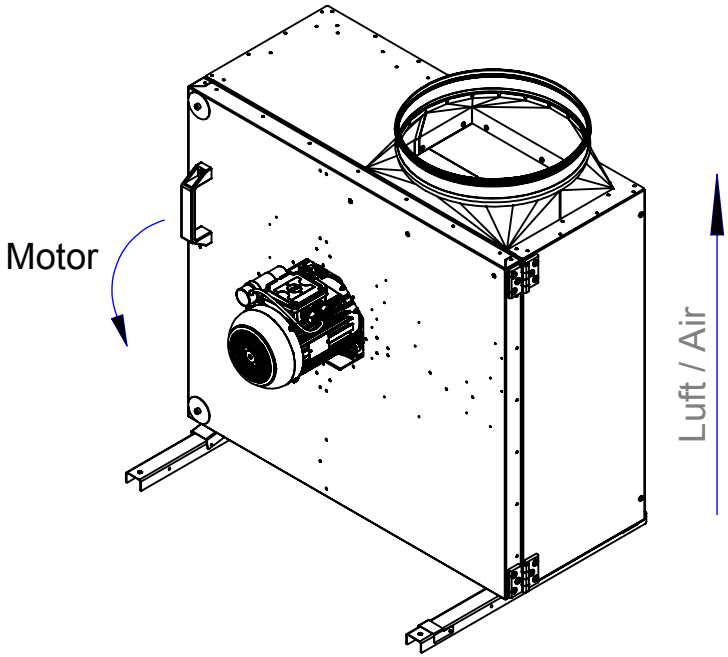
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	70	40	61	64	64	64	61	58	54
Outlet	L_{WA6}	72	42	60	62	63	67	65	61	57
Housing radiation	L_{WA2}	62	40	60	56	53	51	50	45	40

MPS 400 E4 21 | 138005	
Voltage U_N	230 V 1~
Current I_{max}	3,0 A
Ambient temperature t_A	80 °C
Conveyed medium temperature t_M	120 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	61,0 kg
Number of poles	4
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °C









ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:14 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

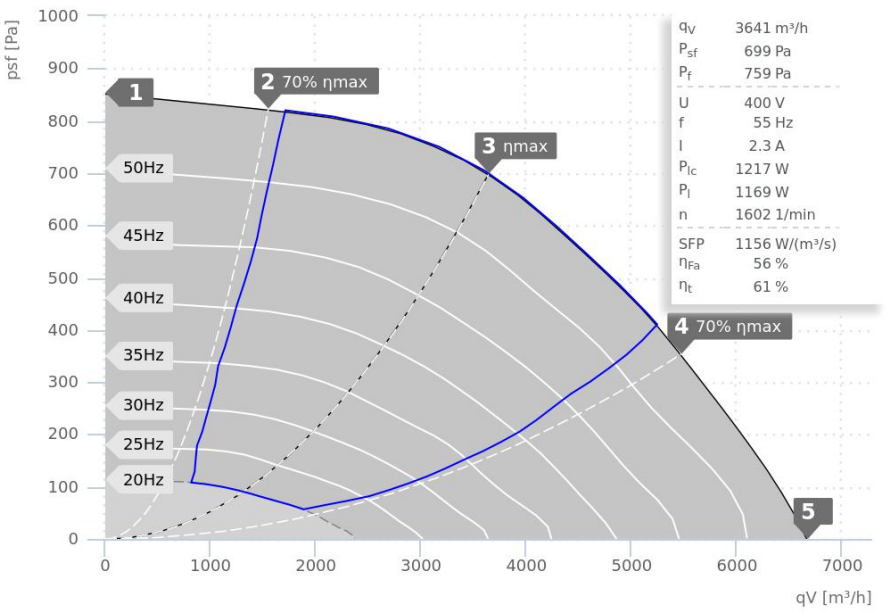
Created	p.guti	14.11.2016
Drawn	d.costea	11.04.2018
Released	v.brand	16.09.2019
Disabled		

MPS400E421+

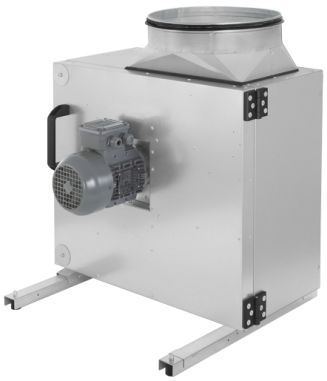
138005 03

DATA SHEET

MPS 450 D4 40 | 156630



— **ErP compliant range**

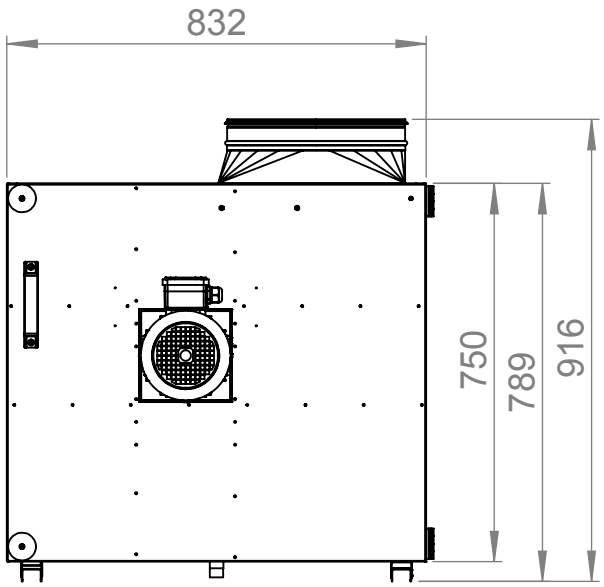


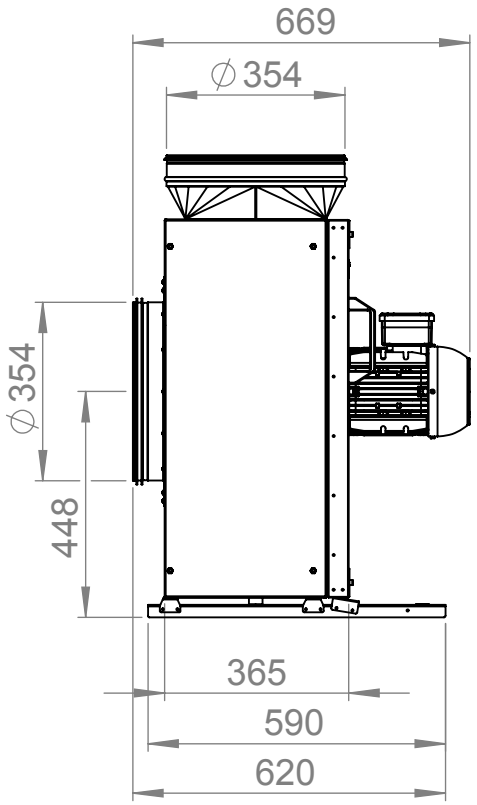
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain
- Star-Delta operation possible
- Star: direct 400V 3~ grid or frequency converter with 400V output
- Delta: direct 230V 3~ grid or frequency converter with 230V 1~ input and 230V 3~ output

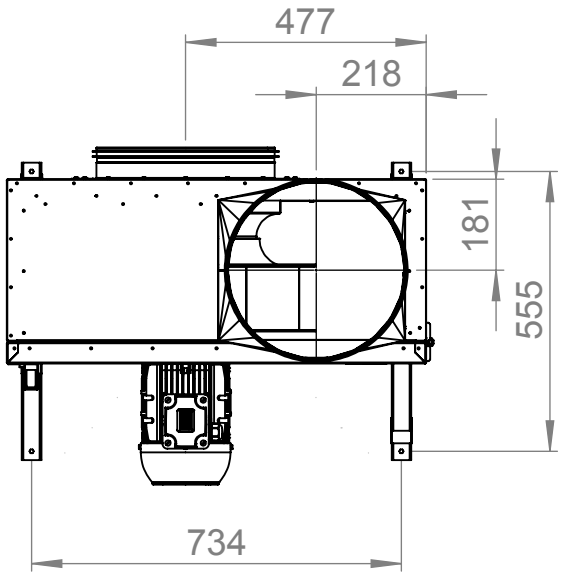
Operating Point		1	2	3	4	5
Current I	A	1,6	1,9	2,3	2,4	2,2
Power consumption P_1	W	507	855	1175	1268	1131
Rotation speed n	1/min	1624	1619	1605	1603	1608
SWL inlet L_{WA5}	dB(A)	84	82	82	85	86
SWL outlet L_{WA6}	dB(A)	84	83	82	86	87
SWL housing break out L_{WA2}	dB(A)	73	73	74	77	80

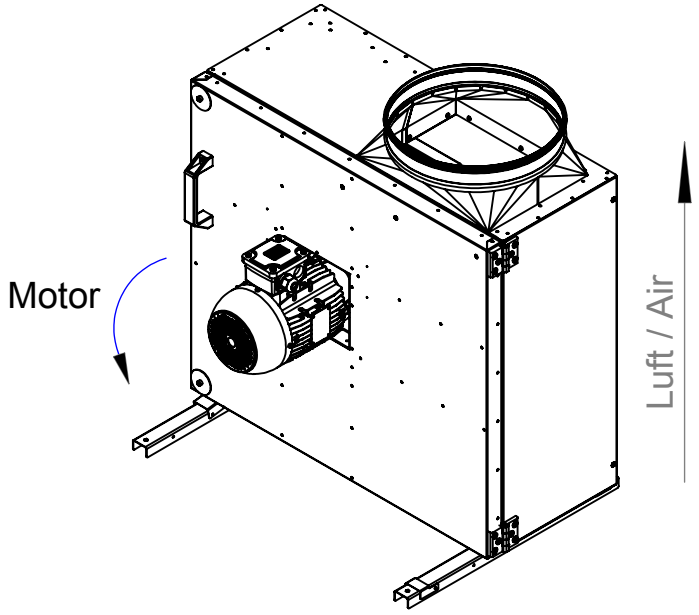
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	82	50	67	77	76	74	73	71	62
Outlet	L_{WA6}	82	58	67	77	73	76	75	71	64
Housing radiation	L_{WA2}	74	51	64	73	60	60	57	52	46

MPS 450 D4 40 | 156630	
Voltage U_N	400 V 3~
Current I_{max}	2,5 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	120 °C
Speed Control	f
Motor protection	-
Insulation class motor	F
Weight	74,9 kg
Number of poles	4
IP motor	IP55
IP terminal box	-
IP complete unit	-
Min. operating temperature	-20 °C









ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:15 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

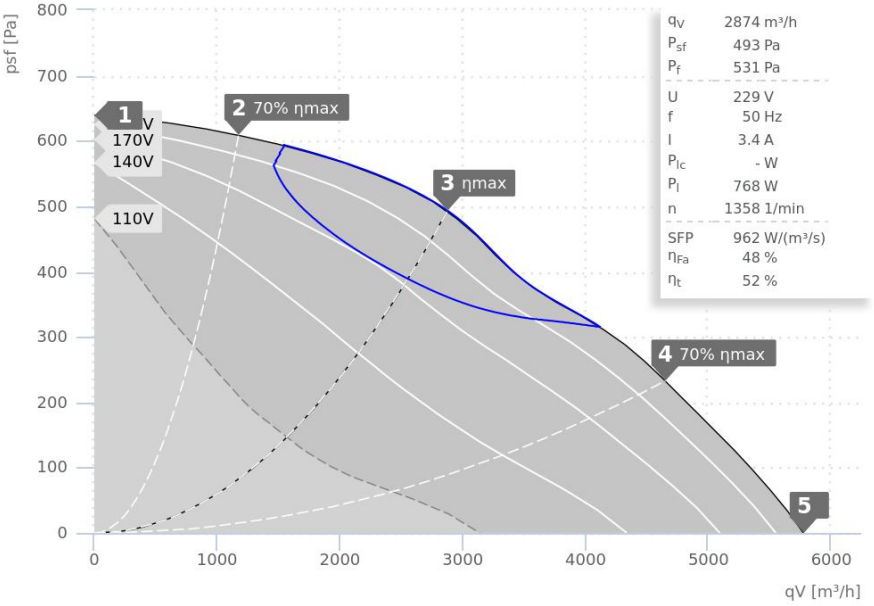
Created	s.pop	06.01.2021
Drawn	s.pop	06.01.2021
Released	s.pop	06.01.2021
Disabled		

MPS450D440

156630 00

DATA SHEET

MPS 450 E4 20 | 126652



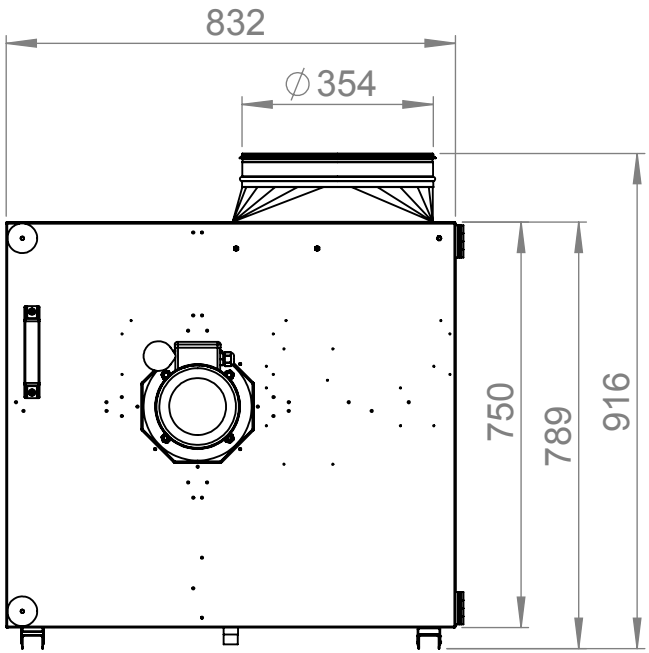
— **ErP compliant range**

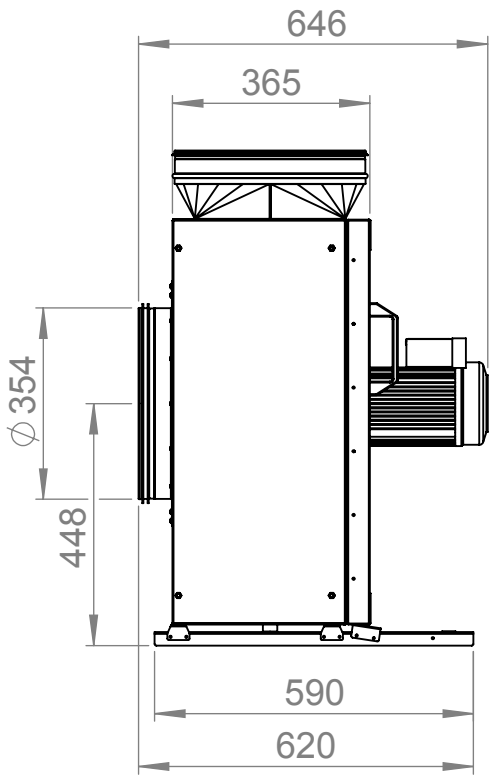
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain

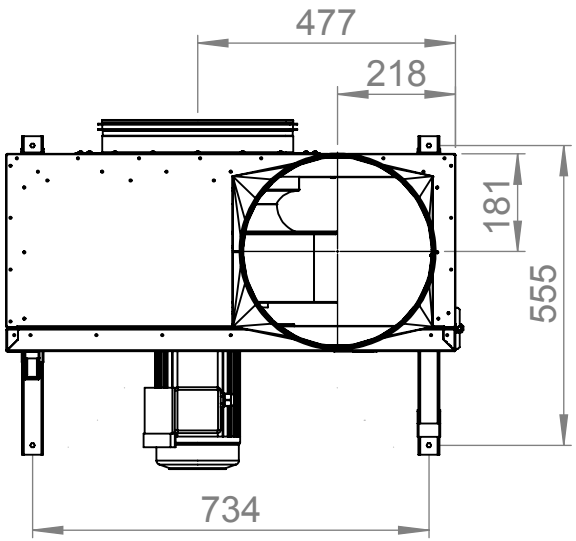
		Operating Point	1	2	3	4	5
Current I	A		1,7	2,5	3,4	3,7	3,4
Power consumption P_1	W		363	565	769	840	771
Rotation speed n	1/min		1444	1403	1359	1343	1365
SWL inlet L_{WA5}	dB(A)		77	76	75	77	81
SWL outlet L_{WA6}	dB(A)		79	78	76	78	81
SWL housing break out L_{WA2}	dB(A)		67	66	66	69	71

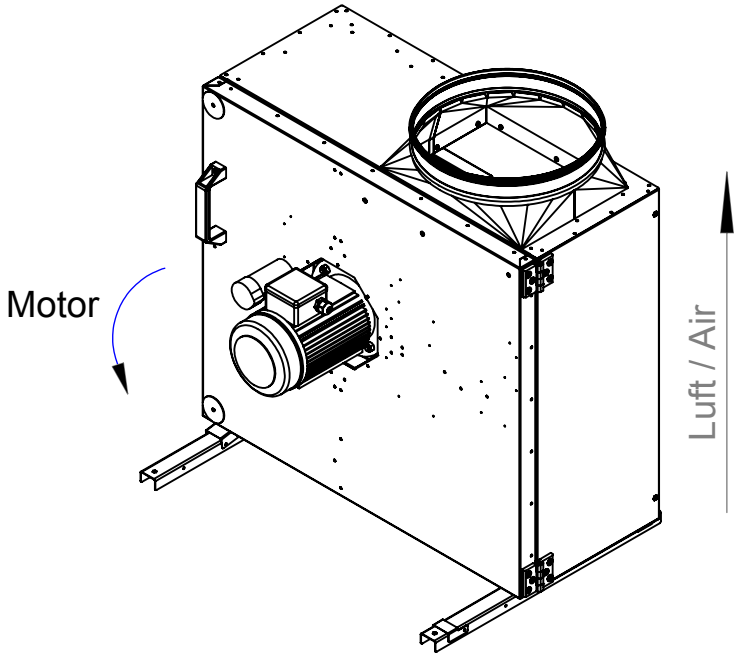
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	75	50	66	69	68	67	66	65	57
Outlet	L_{WA6}	76	49	66	68	67	69	69	66	57
Housing radiation	L_{WA2}	66	49	63	61	51	54	54	47	40

MPS 450 E4 20 | 126652	
Voltage U_N	230 V 1~
Current I_{max}	4,7 A
Ambient temperature t_A	50 °C
Conveyed medium temperature t_M	120 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	72,0 kg
Number of poles	4
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °C









ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:14 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

Created	s.pop	11.11.2013
Drawn	d.costea	11.04.2018
Released	v.brand	16.09.2019
Disabled		

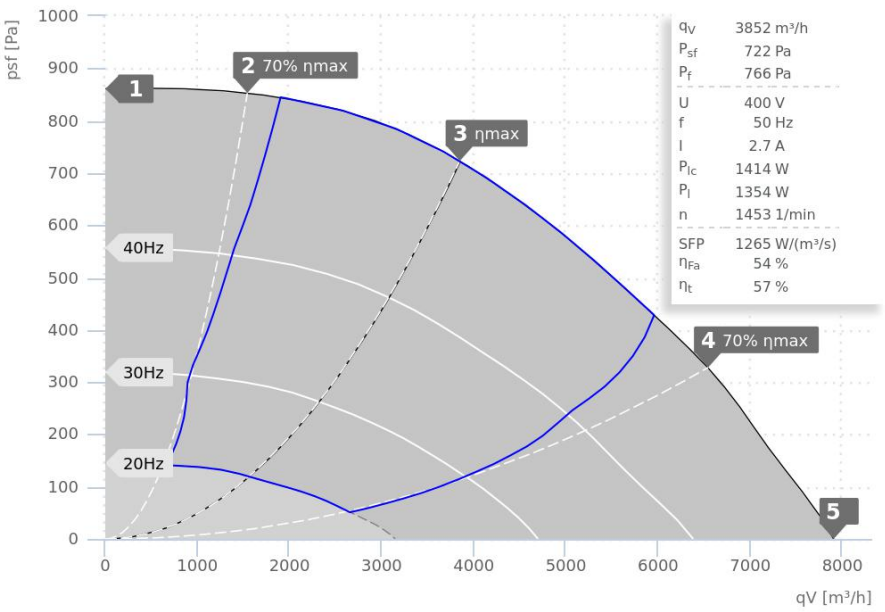
MPS450E420+

126652 03

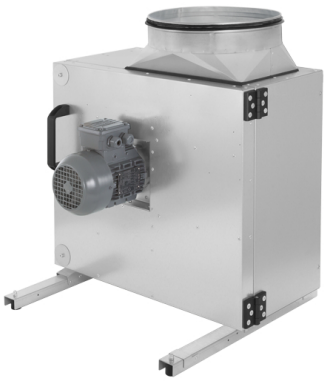
VENTAS VENTILATOREN

DATA SHEET

MPS 500 D4 40 | 156633



— **ErP compliant range**

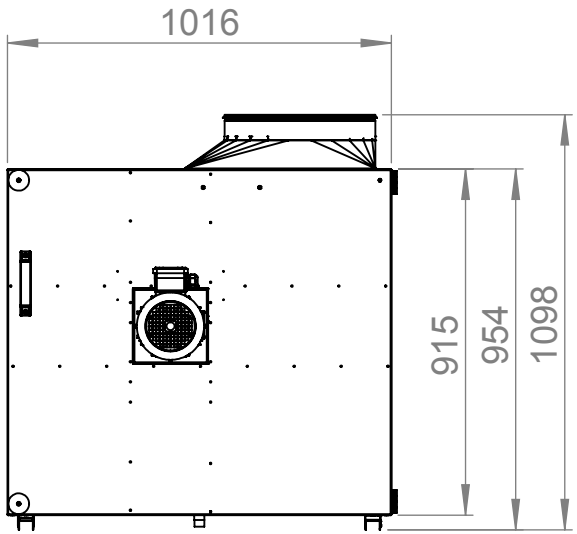


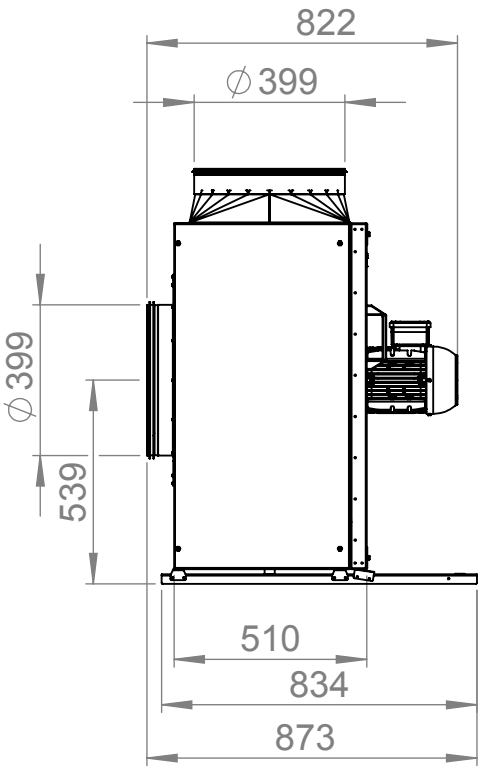
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain
- Star-Delta operation possible
- Star: direct 400V 3~ grid or frequency converter with 400V output
- Delta: direct 230V 3~ grid or frequency converter with 230V 1~ input and 230V 3~ output

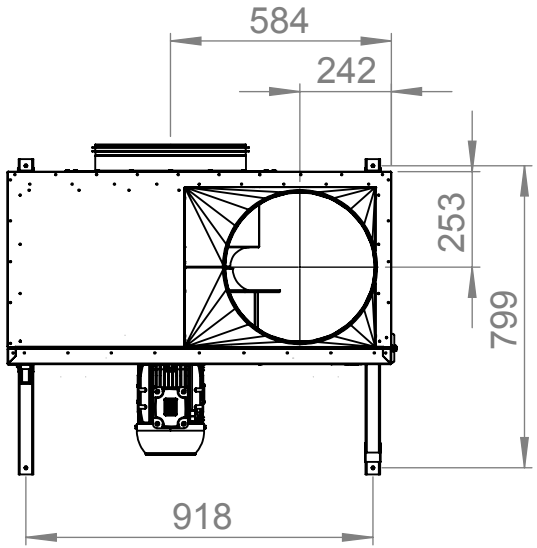
Operating Point		1	2	3	4	5
Current I	A	1,8	2,1	2,7	2,8	2,6
Power consumption P_1	W	525	919	1359	1482	1315
Rotation speed n	1/min	1475	1470	1453	1452	1458
SWL inlet L_{WA5}	dB(A)	81	82	83	85	86
SWL outlet L_{WA6}	dB(A)	84	84	83	84	86
SWL housing break out L_{WA2}	dB(A)	72	72	72	75	77

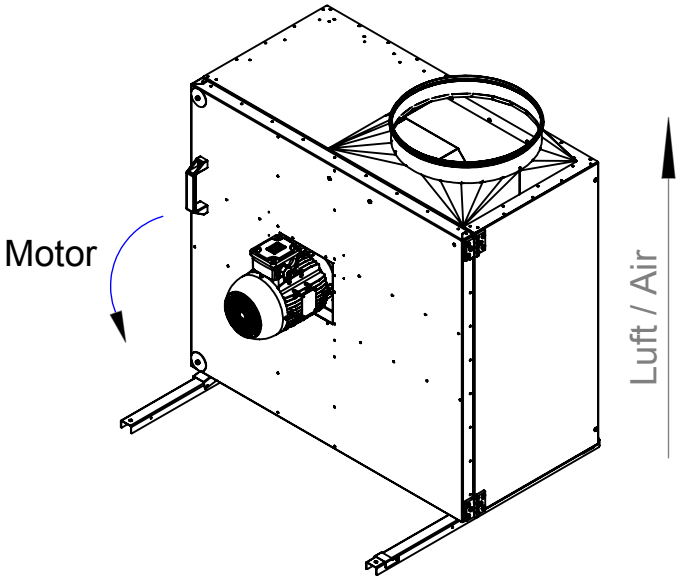
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	83	54	74	75	75	77	77	73	64
Outlet	L_{WA6}	83	54	70	70	74	80	77	73	63
Housing radiation	L_{WA2}	72	51	68	66	60	63	60	56	47

MPS 500 D4 40 | 156633	
Voltage U_N	400 V 3~
Current I_{max}	3,0 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	120 °C
Speed Control	f
Motor protection	-
Insulation class motor	F
Weight	112,7 kg
Number of poles	4
IP motor	IP55
IP terminal box	-
IP complete unit	-
Min. operating temperature	-20 °C









ruck VENTILATOREN

ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:20 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

Created	s.pop	06.01.2021
Drawn	s.pop	06.01.2021
Released	s.pop	06.01.2021
Disabled		

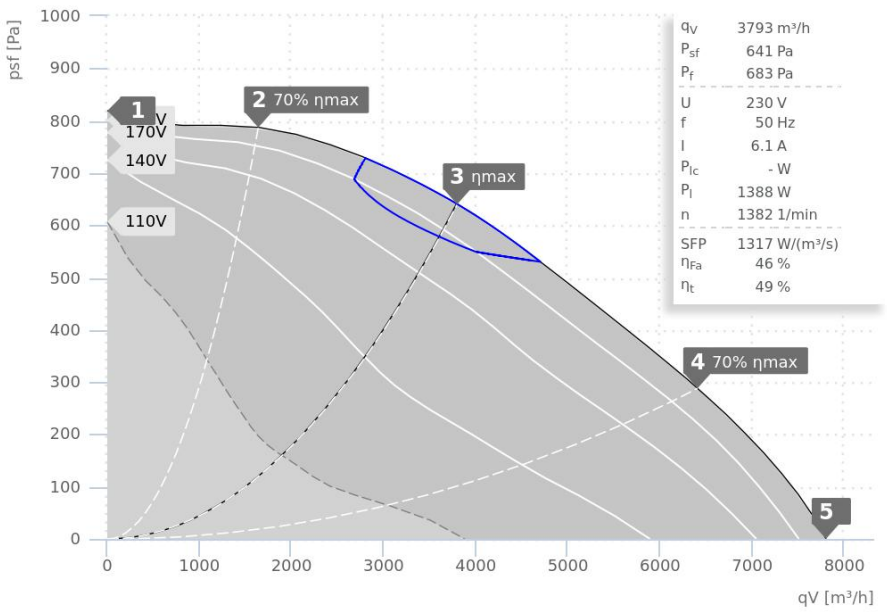
MPS500D440

156633 00

VENTAS VENTILATORER

DATA SHEET

MPS 500 E4 21 | 138045



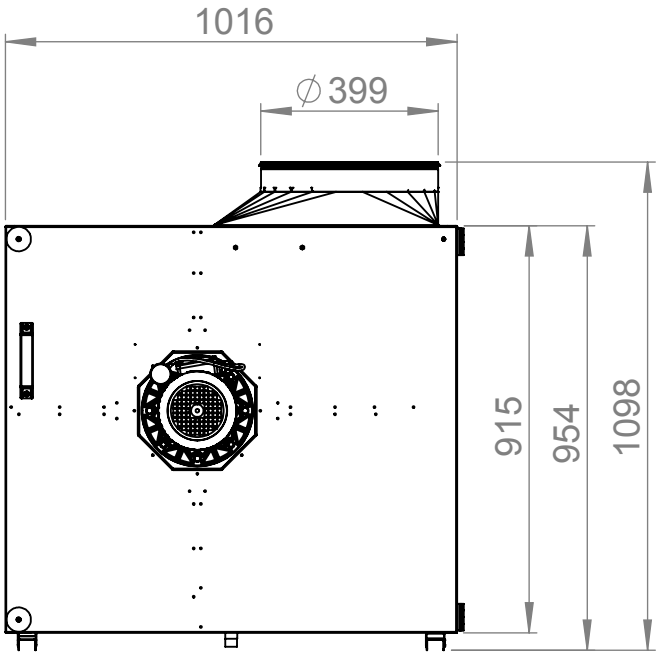
— **ErP compliant range**

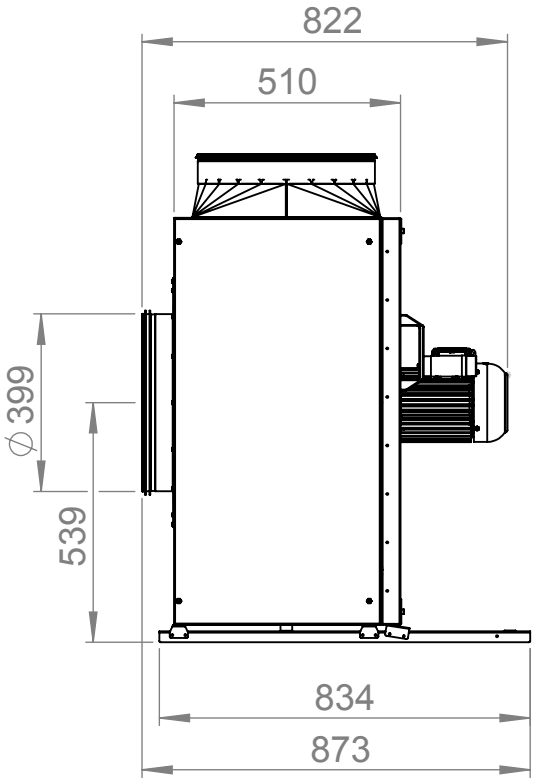
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain

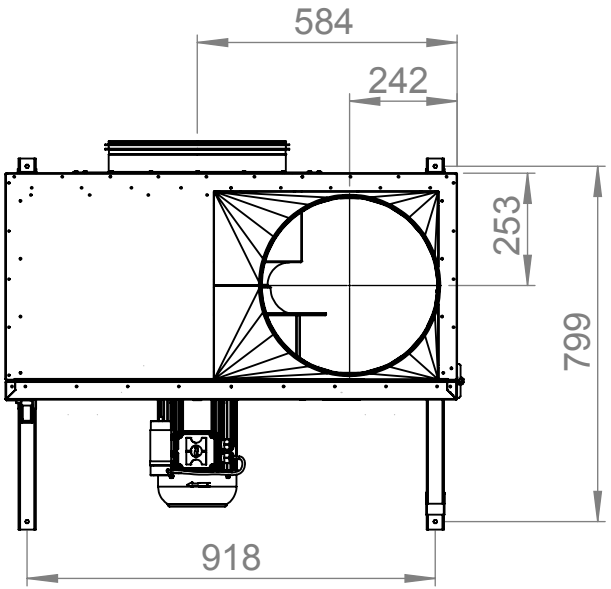
Operating Point		1	2	3	4	5
Current I	A	3,4	4,7	6,1	6,5	5,9
Power consumption P_1	W	712	1060	1388	1494	1356
Rotation speed n	1/min	1452	1421	1382	1377	1394
SWL inlet L_{WA5}	dB(A)	81	80	79	81	84
SWL outlet L_{WA6}	dB(A)	80	79	78	81	83
SWL housing break out L_{WA2}	dB(A)	74	73	72	74	74

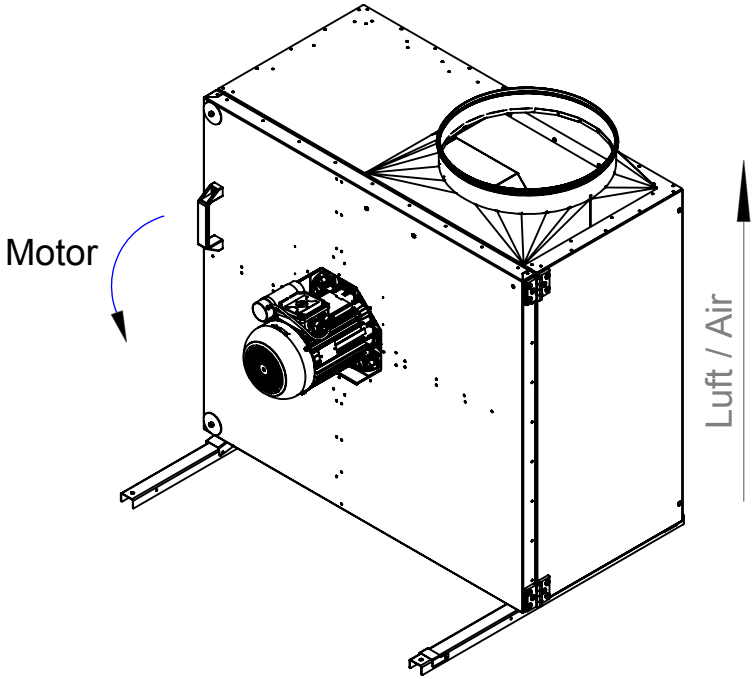
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	79	57	69	71	70	74	68	68	62
Outlet	L_{WA6}	78	53	69	66	69	76	68	65	58
Housing radiation	L_{WA2}	72	54	62	58	59	70	58	55	48

MPS 500 E4 21 | 138045	
Voltage U_N	230 V 1~
Current I_{max}	8,4 A
Ambient temperature t_A	40 °C
Conveyed medium temperature t_M	120 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	105,0 kg
Number of poles	4
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °C









ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:17 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

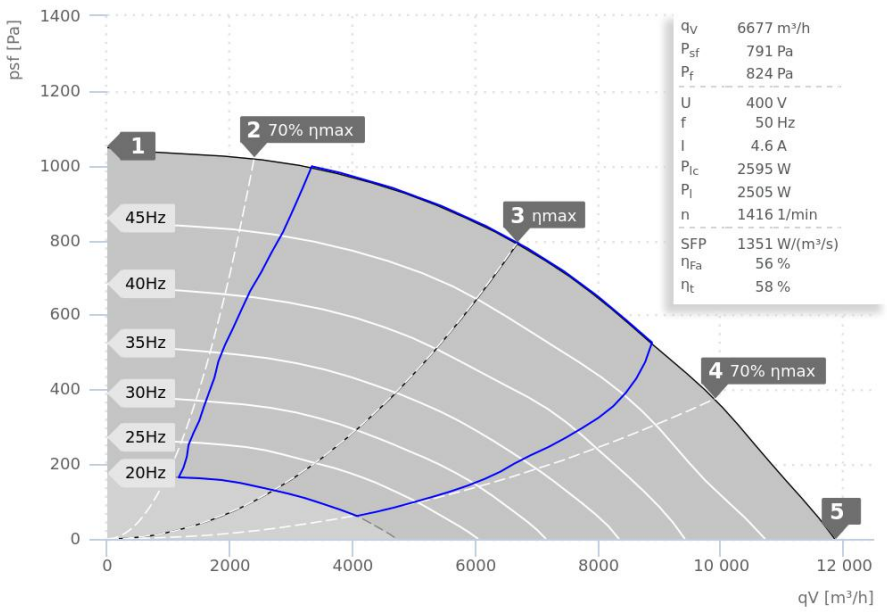
Created	p.guti	18.11.2016
Drawn	d.costea	11.04.2018
Released	v.brand	16.09.2019
Disabled		

MPS500E421+

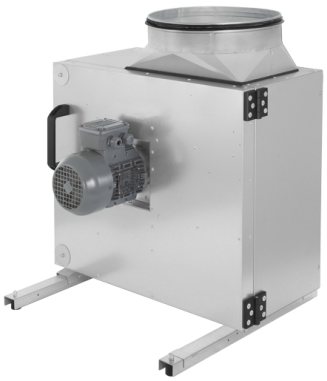
138045 03

DATA SHEET

MPS 560 D4 40 | 156635



— **ErP compliant range**

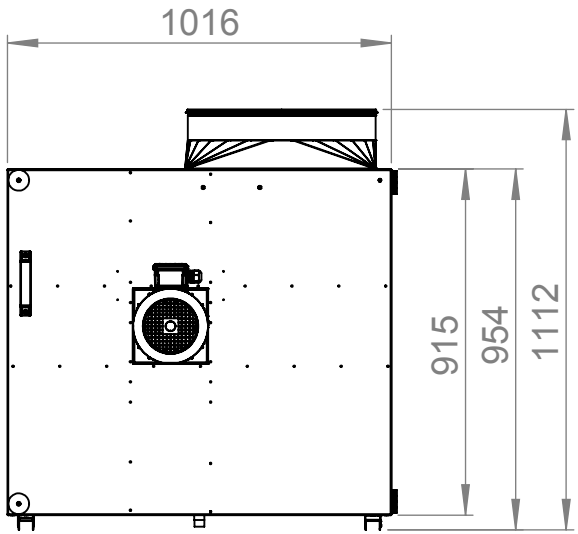


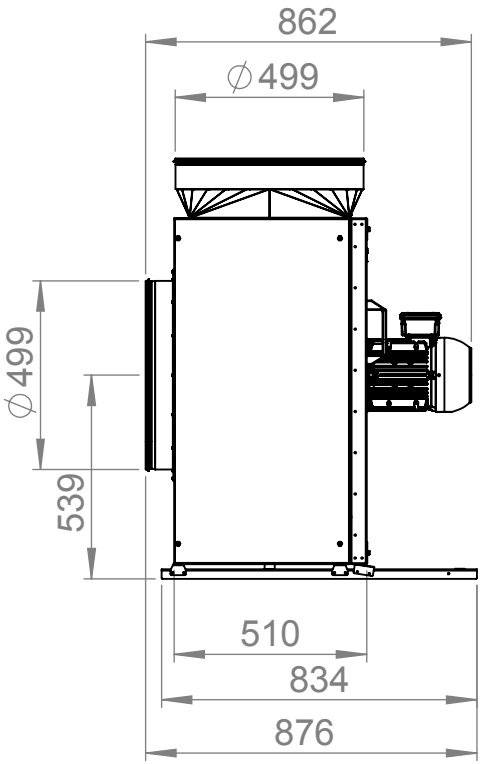
- Max. medium temperature 120ºC
- Motor outside of air stream
- Speed controllable
- Galvanized sheet steel double wall casing
- Swing-out fan unit
- With condensate and grease drain
- Star-Delta operation possible
- Star: direct 400V 3~ grid or frequency converter with 400V output
- Delta: direct 230V 3~ grid or frequency converter with 230V 1~ input and 230V 3~ output

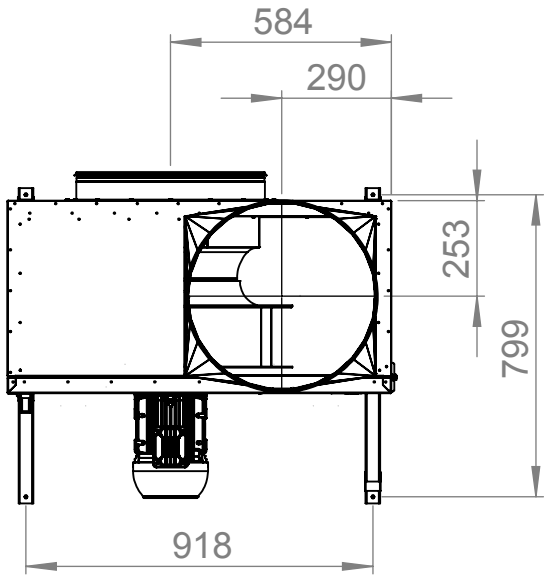
Operating Point		1	2	3	4	5
Current I	A	2,7	3,5	4,6	4,6	4,0
Power consumption P_1	W	979	1702	2517	2506	2076
Rotation speed n	1/min	1465	1447	1419	1423	1436
SWL inlet L_{WA5}	dB(A)	87	85	87	89	90
SWL outlet L_{WA6}	dB(A)	87	86	86	89	91
SWL housing break out L_{WA2}	dB(A)	76	75	76	78	80

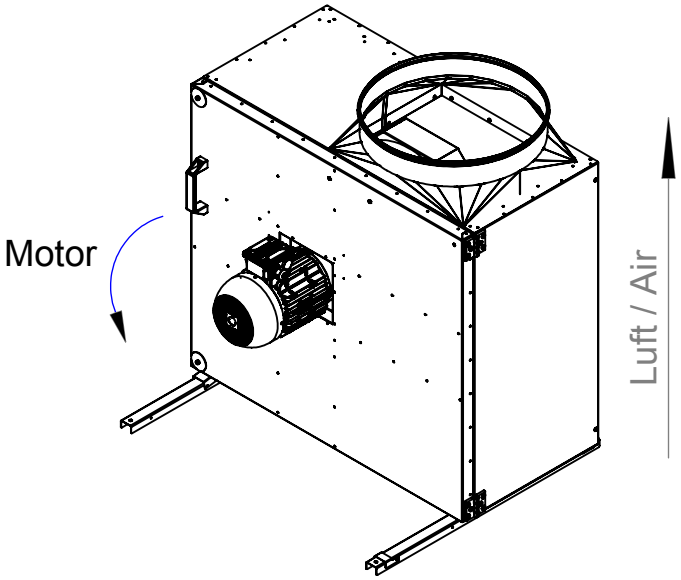
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	86	54	77	76	78	82	80	75	69
Outlet	L_{WA6}	86	56	75	72	78	82	80	75	68
Housing radiation	L_{WA2}	75	52	73	66	65	66	63	59	54

MPS 560 D4 40 | 156635	
Voltage U_N	400 V 3~
Current I_{max}	5,0 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	120 °C
Speed Control	f
Motor protection	-
Insulation class motor	F
Weight	115,0 kg
Number of poles	4
IP motor	IP55
IP terminal box	-
IP complete unit	-
Min. operating temperature	-20 °C









ruck Ventilatoren
Max-Planck-Str. 5
D-97944 Boxberg

1:20 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

Created	s.pop	06.01.2021
Drawn	s.pop	06.01.2021
Released	s.pop	06.01.2021
Disabled		

MPS560D440

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