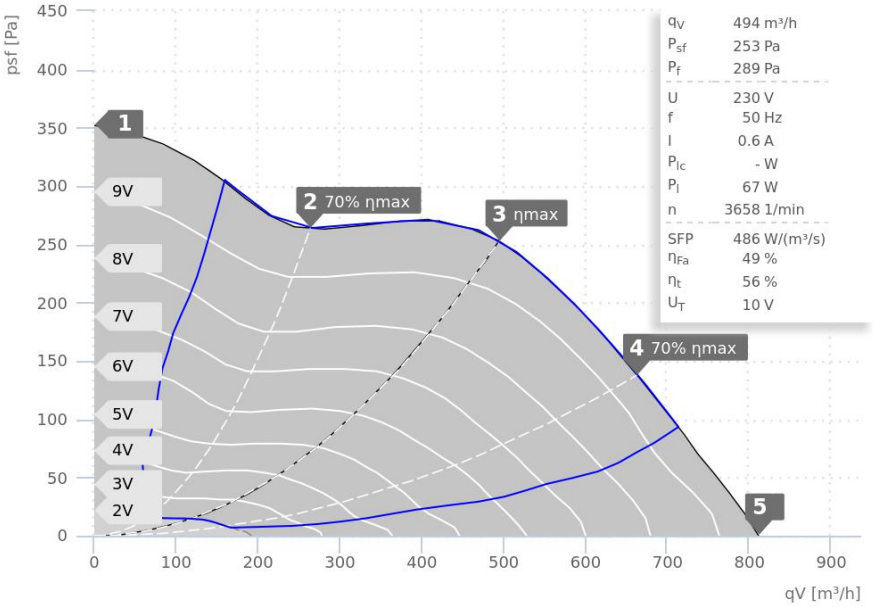
DATA SHEET

EMI 150 EC 70W O 01 | 158064



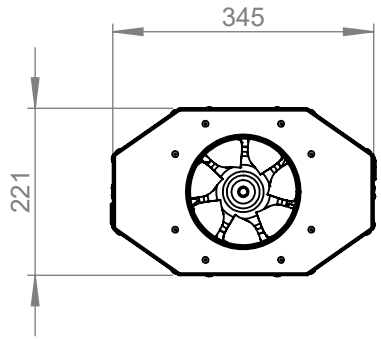
— **ErP compliant range**

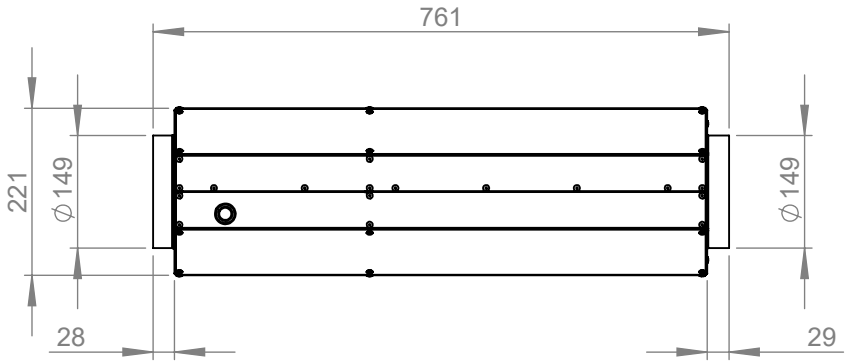
- Highly efficient EC motor with integrated electronics
- Galvanized sheet steel housing
- Optimized, very high sound insulation, through integrated suction-side silencer and sound insulation with mineral wool
- Compact design

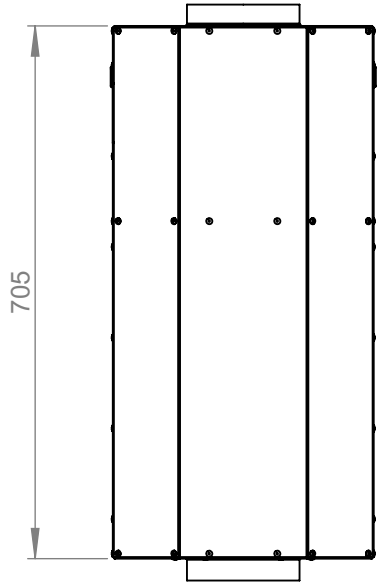
Operating Point		1	2	3	4	5
Current I	A	0,4	0,4	0,6	0,6	0,5
Power consumption P_1	W	51	54	67	69	64
Rotation speed n	1/min	3744	3751	3660	3613	3662
SWL inlet L_{WA5}	dB(A)	58	56	55	56	57
SWL outlet L_{WA6}	dB(A)	73	72	74	75	75
SWL housing break out L_{WA2}	dB(A)	55	55	55	55	56

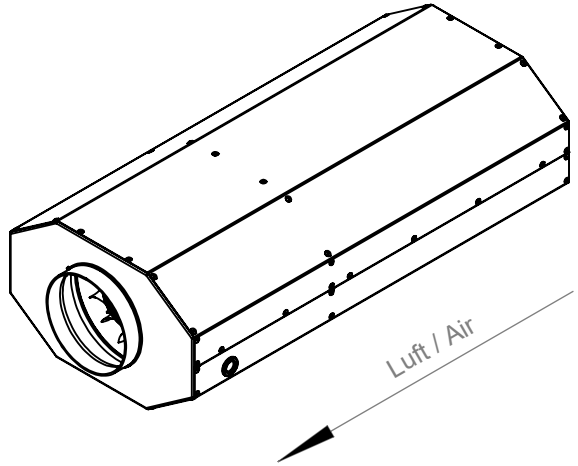
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	55	42	46	47	52	45	40	43	41
Outlet	L_{WA6}	74	38	55	63	68	69	66	64	55
Housing radiation	L_{WA2}	55	42	45	46	50	44	46	45	31

EMI 150 EC 70W O 01 | 158064	
Voltage U_N	230 V 1~
Current I_{max}	0,6 A
Ambient temperature t_A	45 °C
Conveyed medium temperature t_M	45 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	10,3 kg
Number of poles	-
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-30 °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

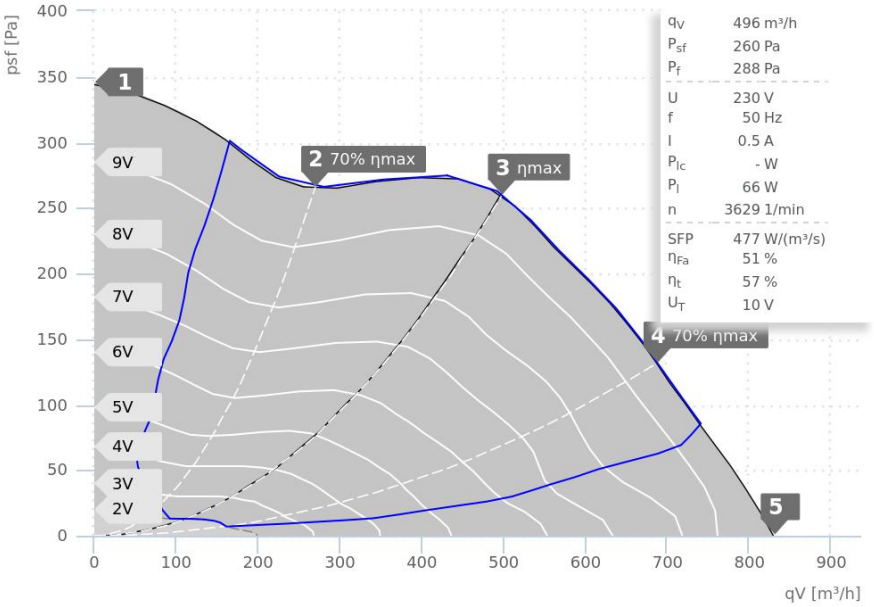
Created	d.hancu	11.05.2021
Drawn	d.hancu	11.05.2021
Released	d.hancu	15.06.2021
Disabled		

EMI150ECO-01

158064 00

DATA SHEET

EMI 160 EC 70W O 01 | 158116



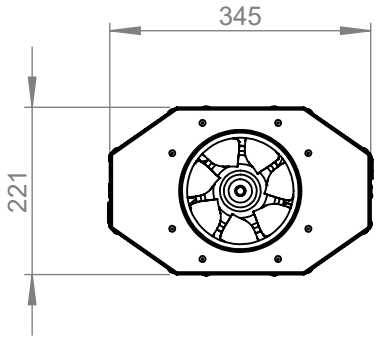
— **ErP compliant range**

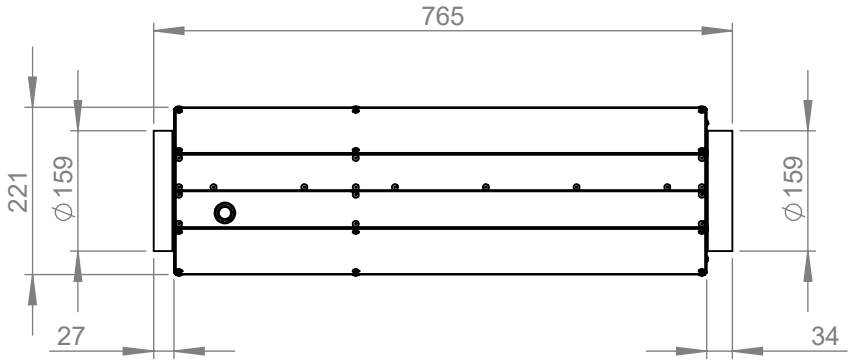
- Highly efficient EC motor with integrated electronics
- Galvanized sheet steel housing
- Optimized, very high sound insulation, through integrated suction-side silencer and sound insulation with mineral wool
- Compact design

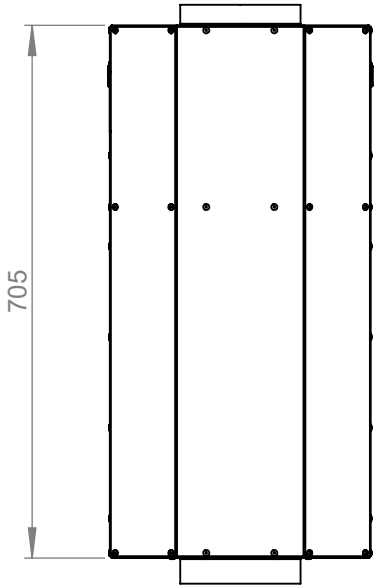
Operating Point		1	2	3	4	5
Current I	A	0,4	0,4	0,5	0,5	0,5
Power consumption P_1	W	51	53	66	66	60
Rotation speed n	1/min	3737	3746	3634	3604	3654
SWL inlet L_{WA5}	dB(A)	59	57	55	55	56
SWL outlet L_{WA6}	dB(A)	73	73	73	74	75
SWL housing break out L_{WA2}	dB(A)	57	57	57	54	55

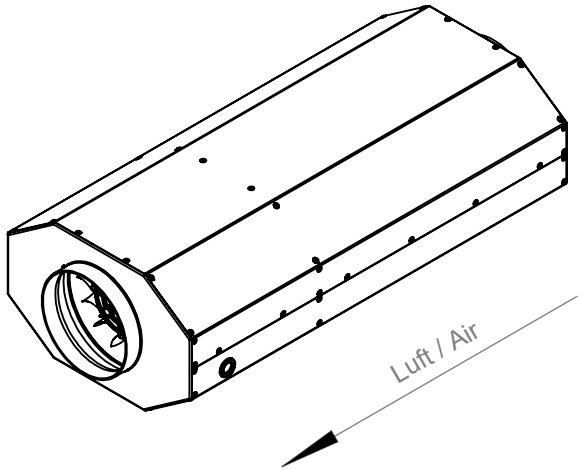
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	55	36	45	48	50	44	38	44	41
Outlet	L_{WA6}	73	38	57	61	67	69	65	63	54
Housing radiation	L_{WA2}	57	33	47	48	53	45	47	47	32

EMI 160 EC 70W O 01 | 158116	
Voltage U_N	230 V 1~
Current I_{max}	0,6 A
Ambient temperature t_A	45 °C
Conveyed medium temperature t_M	45 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	10,0 kg
Number of poles	-
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-30 °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	d.hancu	13.05.2021
Drawn	d.hancu	13.05.2021
Released	d.hancu	14.06.2021
Disabled		

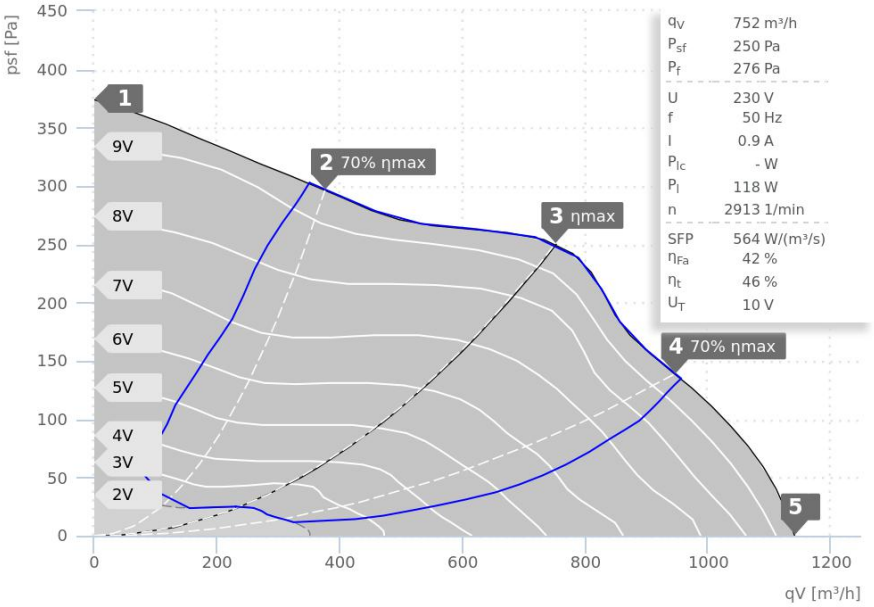
EMI160ECO-01

158116 00

VENTAS VENTILATORER

DATA SHEET

EMI 200 EC 120W O 01 | 158211



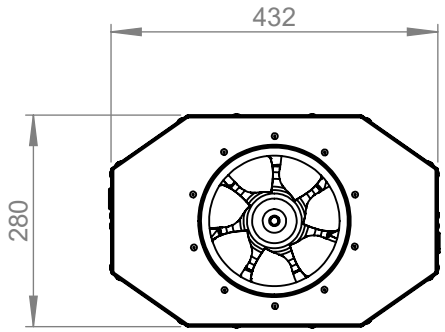
— **ErP compliant range**

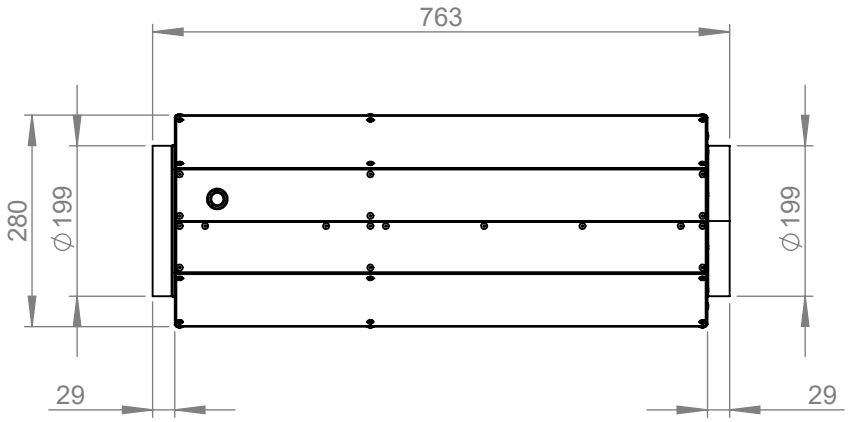
- Highly efficient EC motor with integrated electronics
- Galvanized sheet steel housing
- Optimized, very high sound insulation, through integrated suction-side silencer and sound insulation with mineral wool
- Compact design

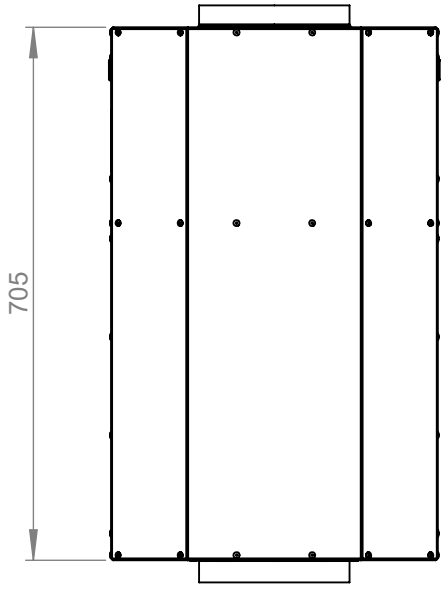
Operating Point		1	2	3	4	5
Current I	A	0,8	0,8	0,9	0,9	0,9
Power consumption P_1	W	97	100	118	117	118
Rotation speed n	1/min	3161	3120	2915	2841	2887
SWL inlet L_{WA5}	dB(A)	62	64	61	61	64
SWL outlet L_{WA6}	dB(A)	77	76	77	78	80
SWL housing break out L_{WA2}	dB(A)	59	61	60	59	62

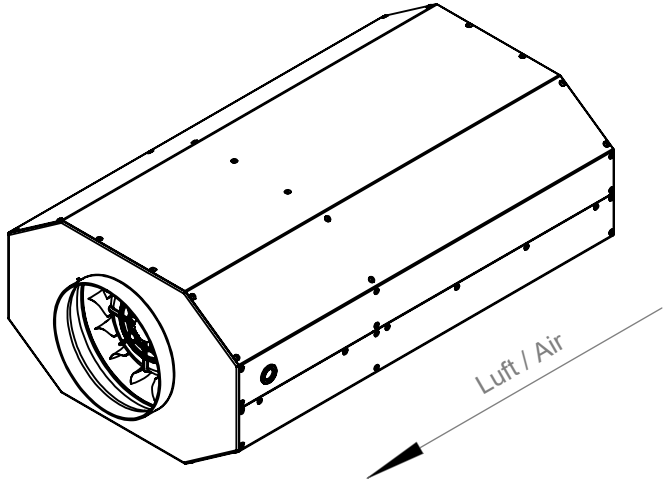
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	61	35	45	56	56	49	46	50	46
Outlet	L_{WA6}	77	39	52	69	70	73	68	65	57
Housing radiation	L_{WA2}	60	40	48	57	56	48	49	45	34

EMI 200 EC 120W O 01 | 158211	
Voltage U_N	230 V 1~
Current I_{max}	1,0 A
Ambient temperature t_A	45 °C
Conveyed medium temperature t_M	45 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	12,8 kg
Number of poles	-
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-30 °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

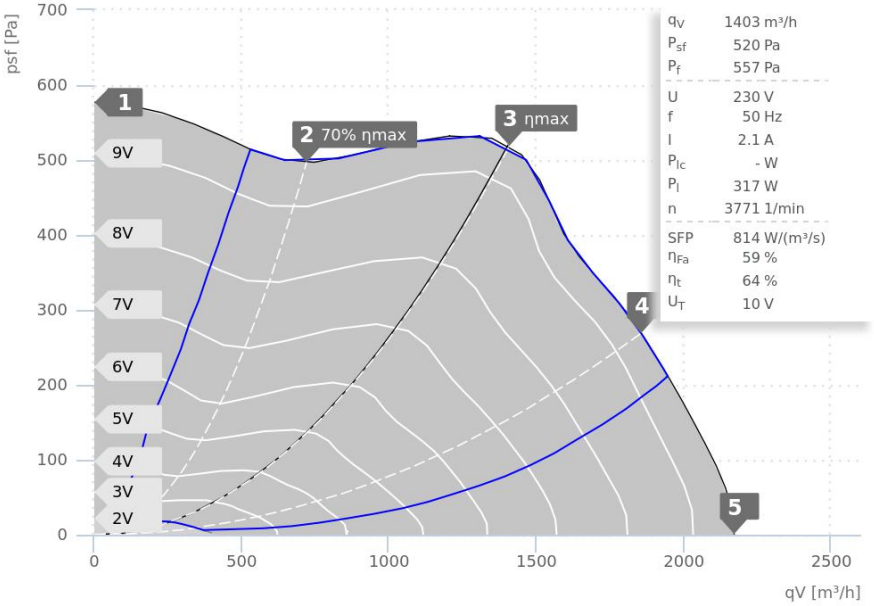
Created	d.hancu	17.05.2021
Drawn	d.hancu	17.05.2021
Released	d.hancu	11.06.2021
Disabled		

EMI200ECO-01

158211 00

DATA SHEET

EMI 250 EC 300W O 02 | 158242



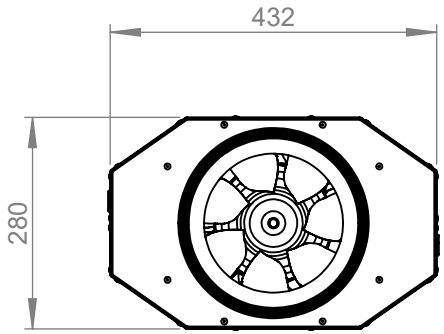
— **ErP compliant range**

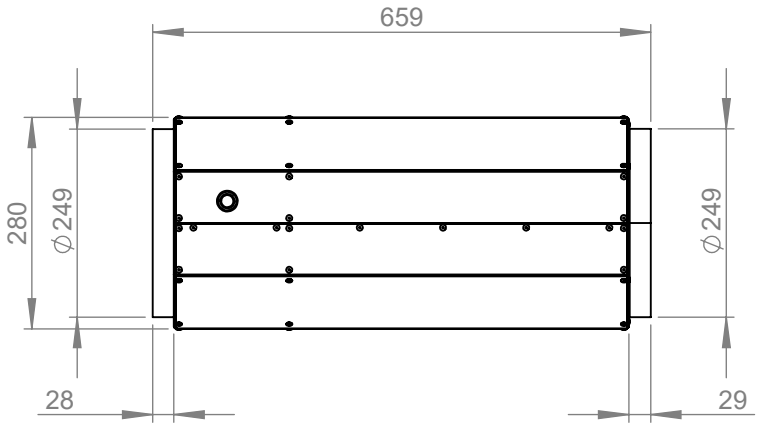
- Highly efficient EC motor with integrated electronics
- Galvanized sheet steel housing
- Optimized, very high sound insulation, through integrated suction-side silencer and sound insulation with mineral wool
- Compact design

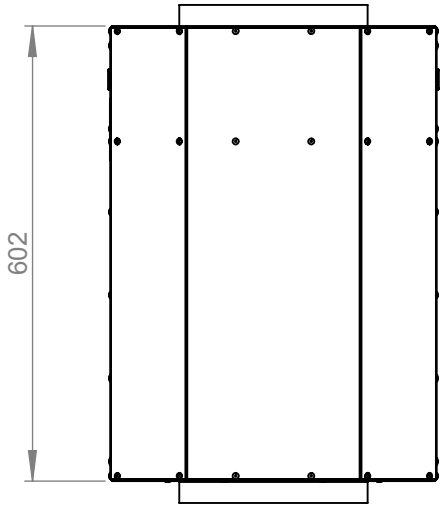
Operating Point		1	2	3	4	5
Current I	A	1,3	1,5	2,1	2,0	1,8
Power consumption P_1	W	199	225	317	311	273
Rotation speed n	1/min	3824	3860	3770	3789	3808
SWL inlet L_{WA5}	dB(A)	75	74	74	69	71
SWL outlet L_{WA6}	dB(A)	86	86	85	86	88
SWL housing break out L_{WA2}	dB(A)	68	68	67	66	68

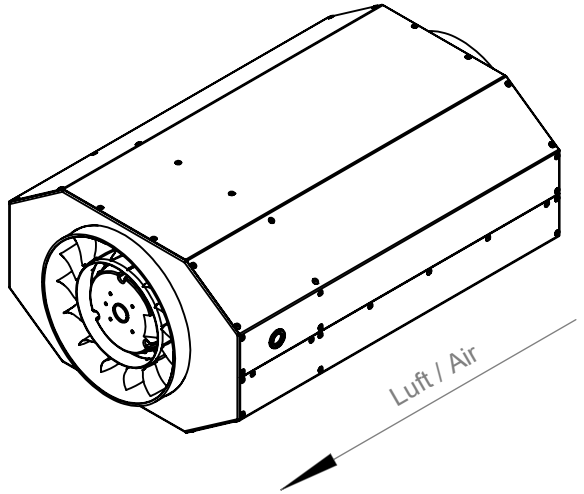
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	74	56	75	67	64	63	60	60	51
Outlet	L_{WA6}	85	50	70	70	76	82	79	72	64
Housing radiation	L_{WA2}	67	53	56	61	60	63	56	51	44

EMI 250 EC 300W O 02 | 158242	
Voltage U_N	230 V 1~
Current I_{max}	2,2 A
Ambient temperature t_A	45 °C
Conveyed medium temperature t_M	45 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	12,9 kg
Number of poles	-
IP motor	IP33
IP terminal box	-
IP complete unit	-
Min. operating temperature	-30 °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

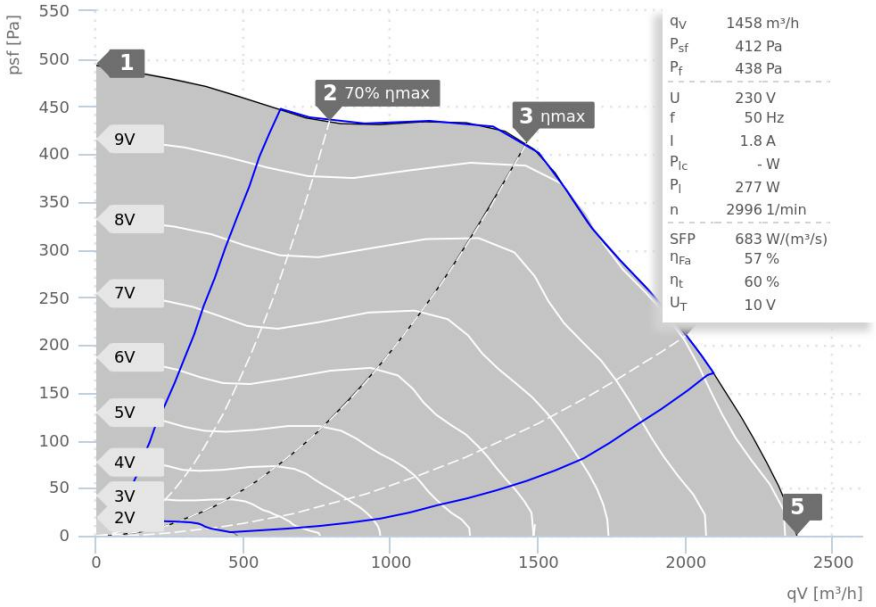
Created	d.hancu	20.05.2021
Drawn	d.hancu	20.05.2021
Released	d.hancu	10.06.2021
Disabled		

EMI250ECO-02

158242 00

DATA SHEET

EMI 280 EC 270W O 01 | 158278



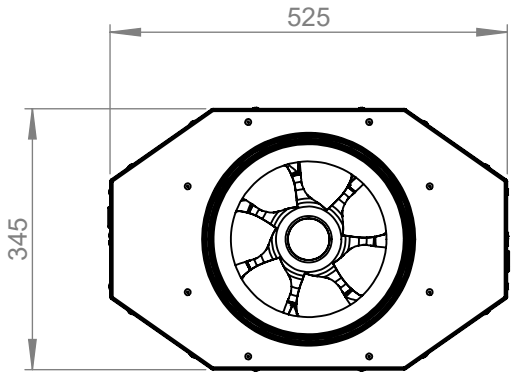
— **ErP compliant range**

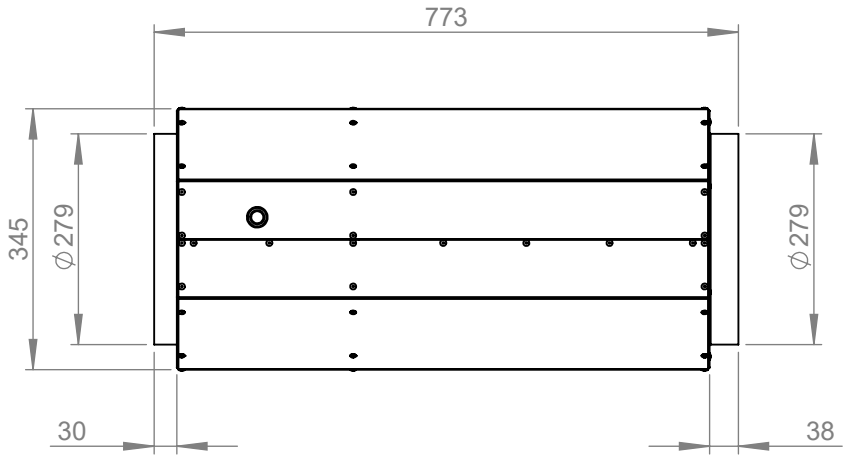
- Highly efficient EC motor with integrated electronics
- Galvanized sheet steel housing
- Optimized, very high sound insulation, through integrated suction-side silencer and sound insulation with mineral wool
- Compact design

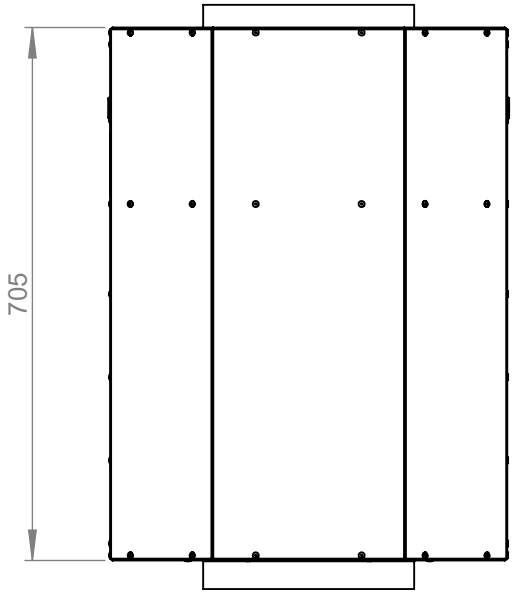
Operating Point		1	2	3	4	5
Current I	A	1,3	1,5	1,8	1,8	1,8
Power consumption P_1	W	199	227	277	275	271
Rotation speed n	1/min	3199	3235	2995	2998	3131
SWL inlet L_{WA5}	dB(A)	73	72	69	69	71
SWL outlet L_{WA6}	dB(A)	85	83	83	83	85
SWL housing break out L_{WA2}	dB(A)	69	69	72	74	76

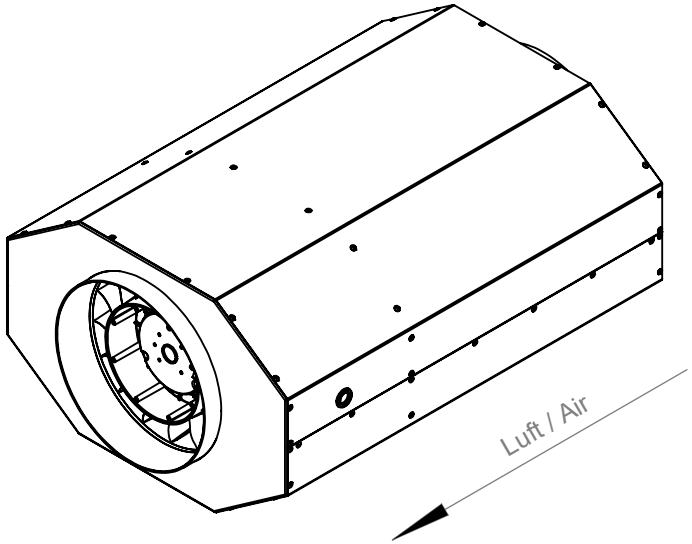
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	69	49	60	59	59	62	59	59	51
Outlet	L_{WA6}	83	50	65	69	76	79	75	70	62
Housing radiation	L_{WA2}	72	46	57	51	53	70	54	52	40

EMI 280 EC 270W O 01 | 158278	
Voltage U_N	230 V 1~
Current I_{max}	1,9 A
Ambient temperature t_A	45 °C
Conveyed medium temperature t_M	45 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	17,1 kg
Number of poles	-
IP motor	IP33
IP terminal box	-
IP complete unit	-
Min. operating temperature	-30 °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

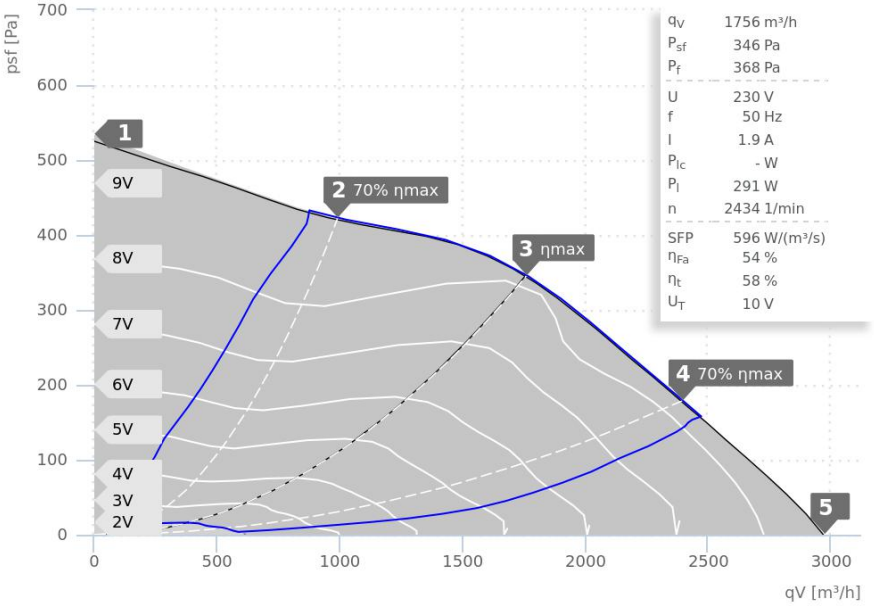
Created	d.hancu	24.05.2021
Drawn	d.hancu	24.05.2021
Released	d.hancu	09.06.2021
Disabled		

EMI280ECO-01

158278 00

DATA SHEET

EMI 315 EC 300W O 01 | 158353



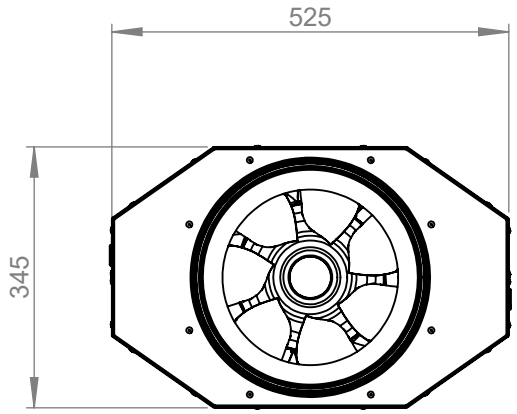
— **ErP compliant range**

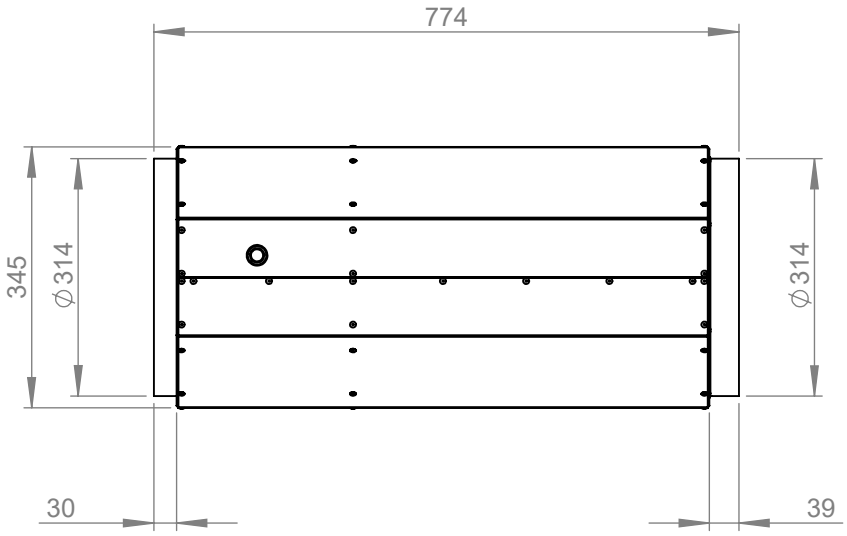
- Highly efficient EC motor with integrated electronics
- Galvanized sheet steel housing
- Optimized, very high sound insulation, through integrated suction-side silencer and sound insulation with mineral wool
- Compact design

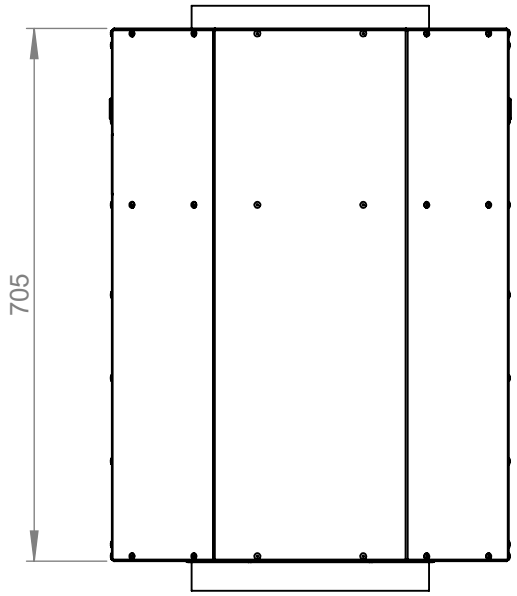
Operating Point		1	2	3	4	5
Current I	A	1,9	1,9	1,9	1,9	1,9
Power consumption P_1	W	285	289	292	292	292
Rotation speed n	1/min	2908	2799	2438	2470	2627
SWL inlet L_{WA5}	dB(A)	71	72	69	67	71
SWL outlet L_{WA6}	dB(A)	85	83	83	83	85
SWL housing break out L_{WA2}	dB(A)	76	80	68	65	69

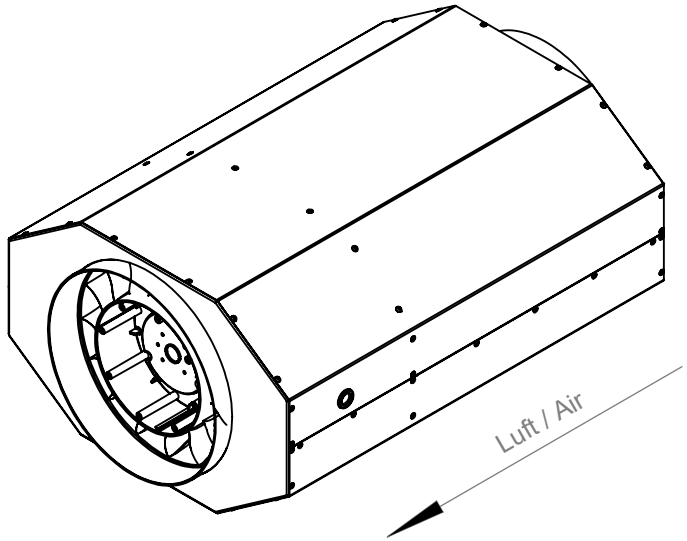
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	69	45	59	60	61	61	60	60	52
Outlet	L_{WA6}	83	42	62	74	78	79	75	70	61
Housing radiation	L_{WA2}	69	39	48	52	57	68	50	49	37

EMI 315 EC 300W O 01 | 158353	
Voltage U_N	230 V 1~
Current I_{max}	2,1 A
Ambient temperature t_A	45 °C
Conveyed medium temperature t_M	45 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	18,3 kg
Number of poles	-
IP motor	IP33
IP terminal box	-
IP complete unit	-
Min. operating temperature	-30 °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

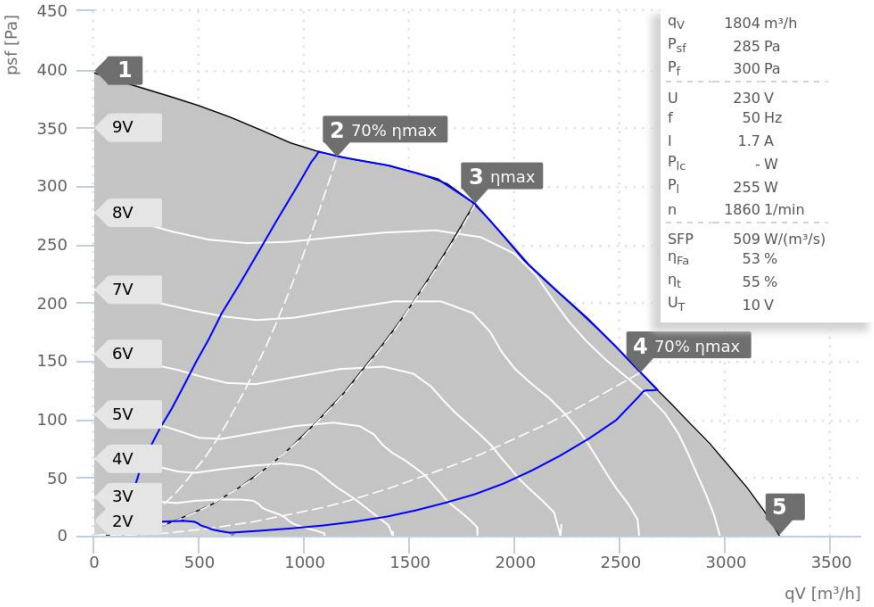
Created	d.hancu	25.05.2021
Drawn	d.hancu	25.05.2021
Released	d.hancu	08.06.2021
Disabled		

EMI315ECO-01

158353 00

DATA SHEET

EMI 355 EC 300W O 01 | 158373



— **ErP compliant range**

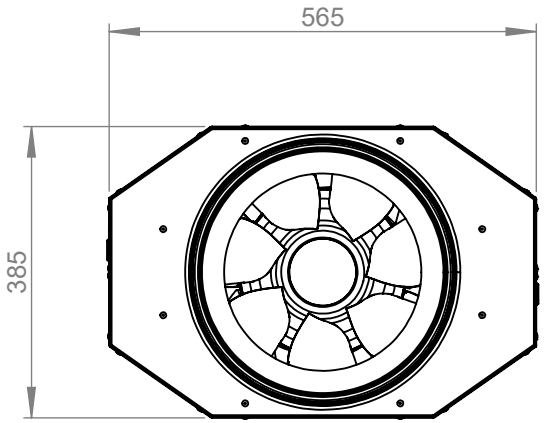
- Highly efficient EC motor with integrated electronics
- Galvanized sheet steel housing
- Optimized, very high sound insulation, through integrated suction-side silencer and sound insulation with mineral wool
- Compact design

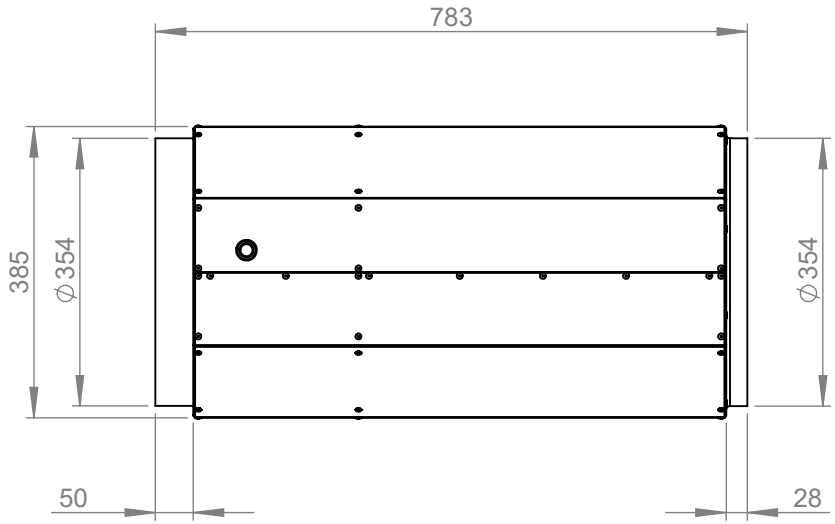
Operating Point		1	2	3	4	5
Current I	A	1,7	1,8	1,7	1,7	1,8
Power consumption P_1	W	248	269	255	258	265
Rotation speed n	1/min	2239	2173	1860	1895	2039
SWL inlet L_{WA5}	dB(A)	69	70	67	65	69
SWL outlet L_{WA6}	dB(A)	83	81	79	78	82
SWL housing break out L_{WA2}	dB(A)	66	64	64	65	66

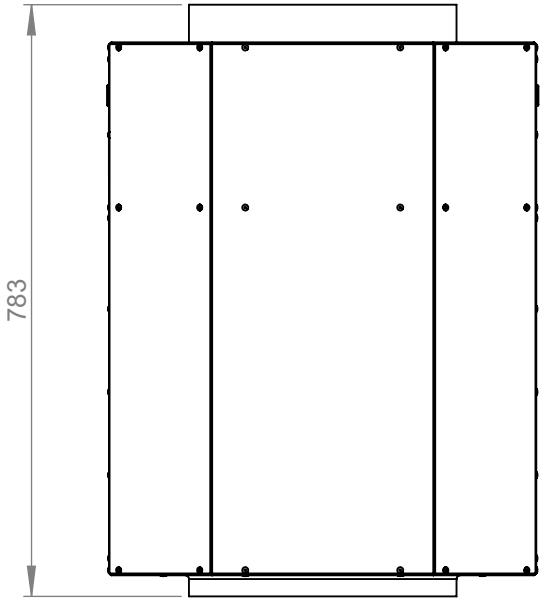
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	67	44	57	58	60	58	58	56	47
Outlet	L_{WA6}	79	43	60	71	74	75	70	66	56
Housing radiation	L_{WA2}	65	51	56	50	62	56	54	49	35

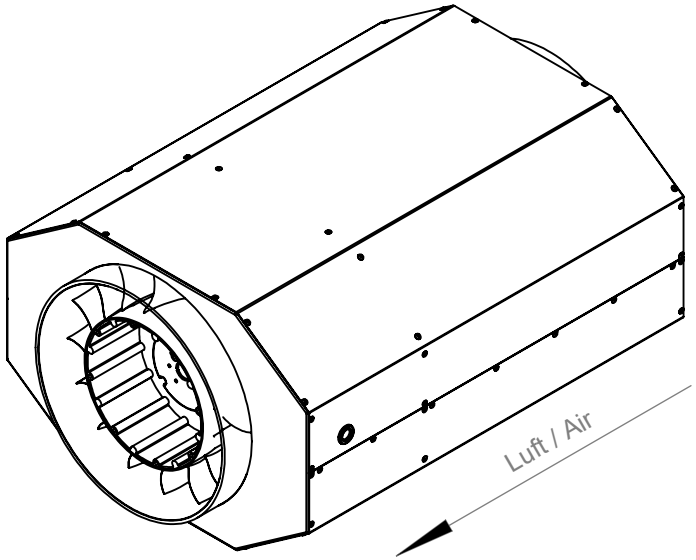
EMI 355 EC 300W O 01 | 158373	
Voltage U_N	230 V 1~
Current I_{max}	1,9 A
Ambient temperature t_A	35 °C
Conveyed medium temperature t_M	35 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	21,4 kg
Number of poles	-
IP motor	IP33
IP terminal box	-
IP complete unit	-
Min. operating temperature	-30 °C

Print 28.04.2022









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

1:10 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

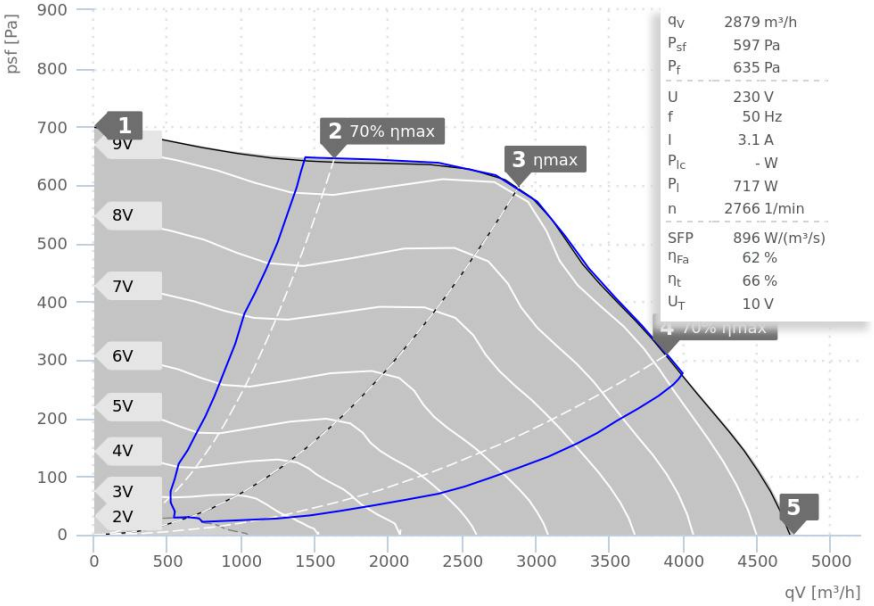
Created	d.hancu	28.05.2021
Drawn	d.hancu	28.05.2021
Released	d.hancu	08.06.2021
Disabled		

EMI355ECO-01

158373 00

DATA SHEET

EMI 355 EC 750W O 02 | 158376



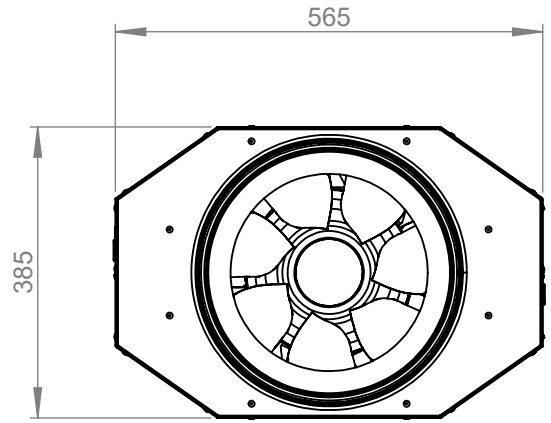
— **ErP compliant range**

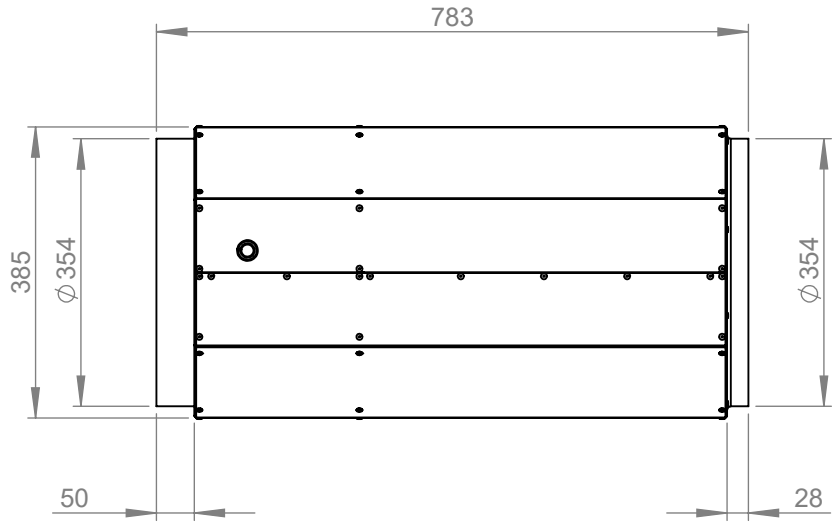
- Highly efficient EC motor with integrated electronics
- Galvanized sheet steel housing
- Optimized, very high sound insulation, through integrated suction-side silencer and sound insulation with mineral wool
- Compact design

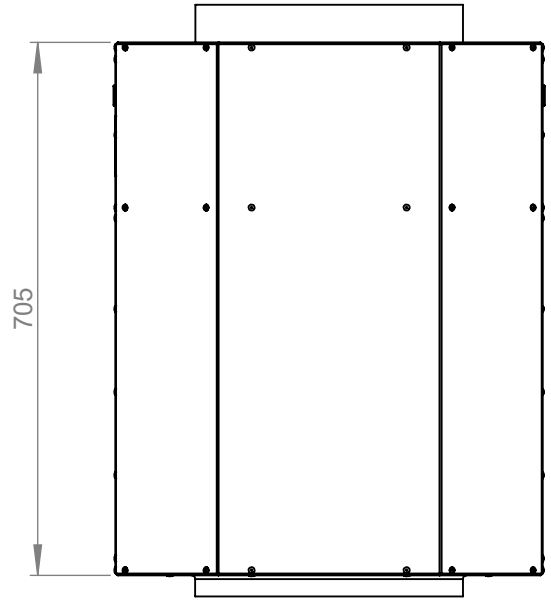
Operating Point		1	2	3	4	5
Current I	A	2,3	2,8	3,1	3,1	3,2
Power consumption P_1	W	522	633	720	720	720
Rotation speed n	1/min	2995	3013	2772	2827	2970
SWL inlet L_{WA5}	dB(A)	79	79	78	76	79
SWL outlet L_{WA6}	dB(A)	92	90	89	89	91
SWL housing break out L_{WA2}	dB(A)	73	72	71	64	64

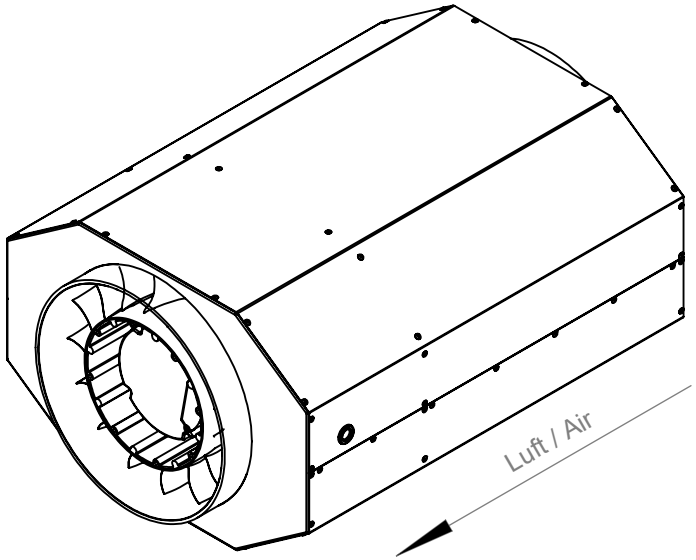
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	78	58	73	70	70	69	70	66	58
Outlet	L_{WA6}	89	55	73	77	84	84	80	75	65
Housing radiation	L_{WA2}	71	57	66	57	58	60	64	61	48

EMI 355 EC 750W O 02 | 158376	
Voltage U_N	230 V 1~
Current I_{max}	3,3 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	60 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	23,1 kg
Number of poles	-
IP motor	IP20
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °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

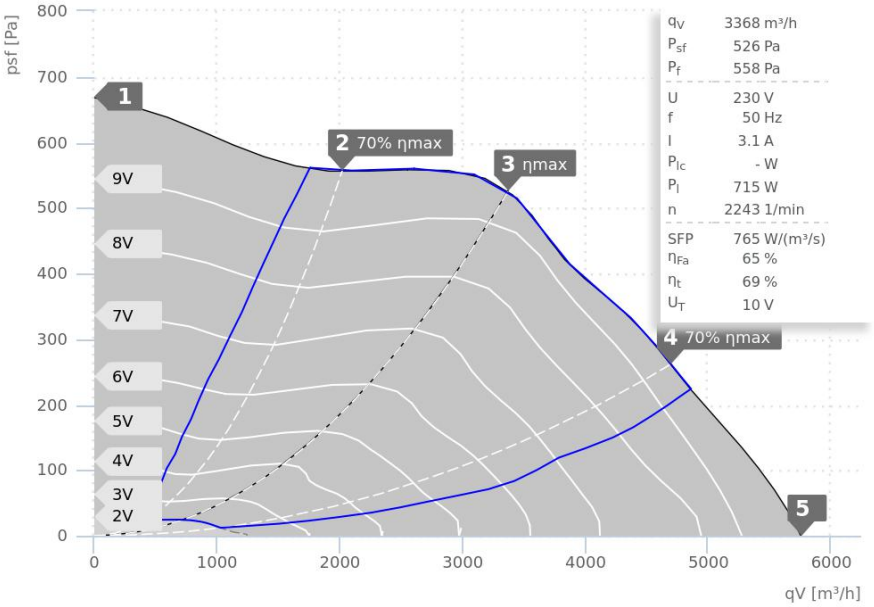
Created	d.hancu	28.05.2021
Drawn	d.hancu	28.05.2021
Released	d.hancu	08.06.2021
Disabled		

EMI355ECO-02

158376 00

DATA SHEET

EMI 400 EC 750W O 01 | 158007



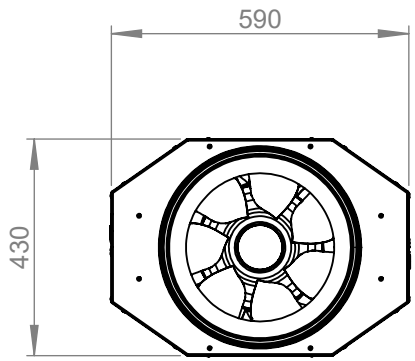
— **ErP compliant range**

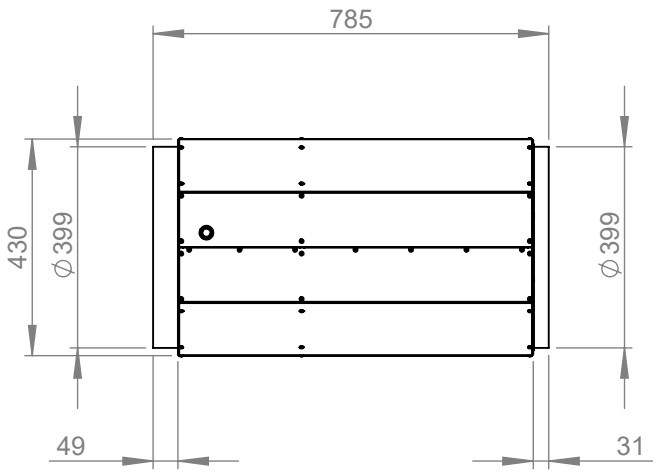
- Highly efficient EC motor with integrated electronics
- Galvanized sheet steel housing
- Optimized, very high sound insulation, through integrated suction-side silencer and sound insulation with mineral wool
- Compact design

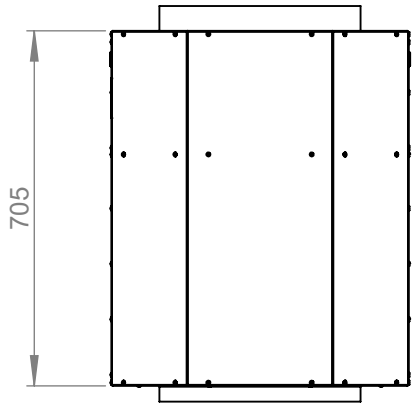
Operating Point		1	2	3	4	5
Current I	A	2,6	2,9	3,1	3,1	3,1
Power consumption P_1	W	587	659	717	713	712
Rotation speed n	1/min	2611	2541	2244	2330	2474
SWL inlet L_{WA5}	dB(A)	77	77	73	75	79
SWL outlet L_{WA6}	dB(A)	92	90	88	88	91
SWL housing break out L_{WA2}	dB(A)	68	68	65	60	63

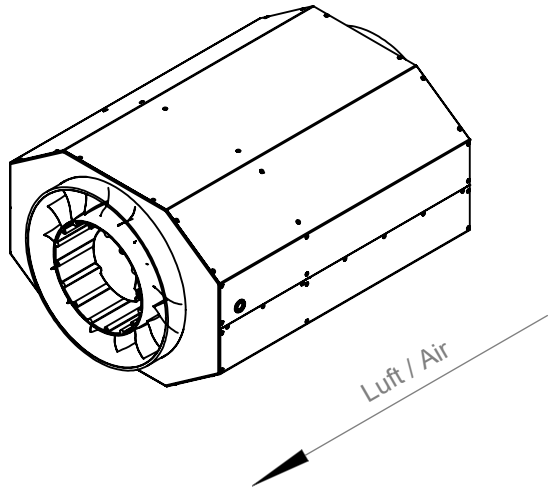
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	73	41	57	65	69	65	66	64	56
Outlet	L_{WA6}	88	59	70	76	84	84	79	74	66
Housing radiation	L_{WA2}	65	58	58	54	57	57	53	51	46

EMI 400 EC 750W O 01 | 158007	
Voltage U_N	230 V 1~
Current I_{max}	3,3 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	60 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	28,4 kg
Number of poles	-
IP motor	IP20
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °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	d.hancu	10.05.2021
Drawn	d.hancu	10.05.2021
Released	d.hancu	07.06.2021
Disabled		

EMI400ECO-01

158007 00