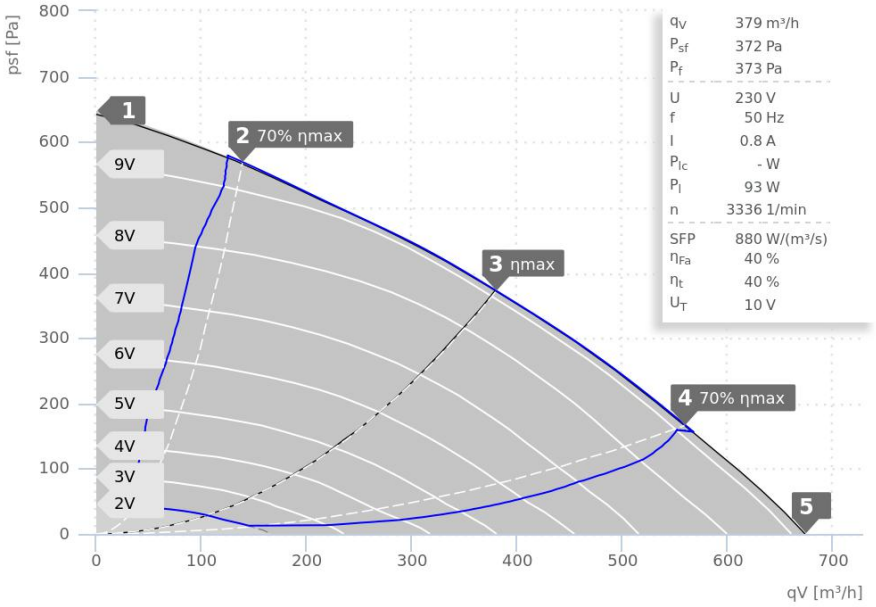
DATA SHEET

DHA 190 EC 30 | 131225



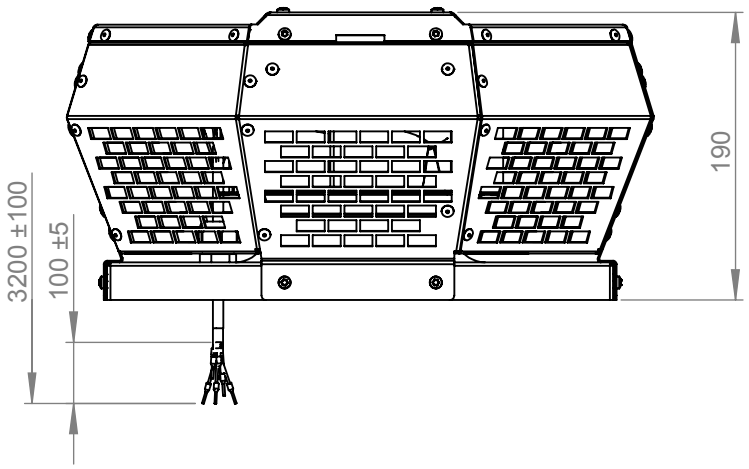
— **ErP compliant range**

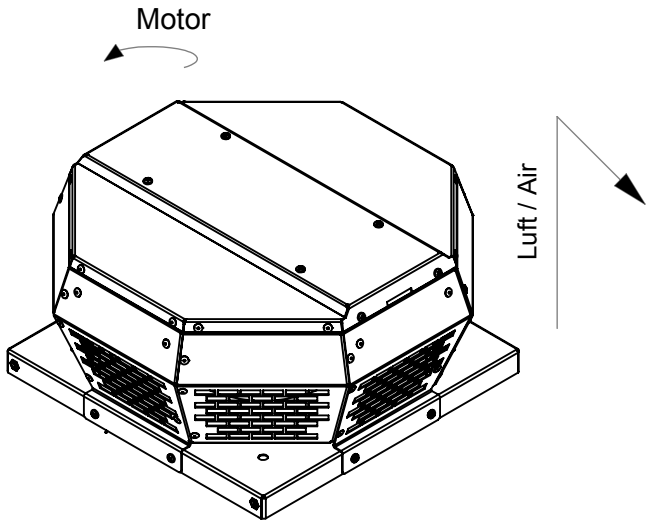
- Backward curved centrifugal fan
- EC motor
- Integrated electronic
- Internal electronic temperature monitoring
- Housing made of aluminium AlMg3

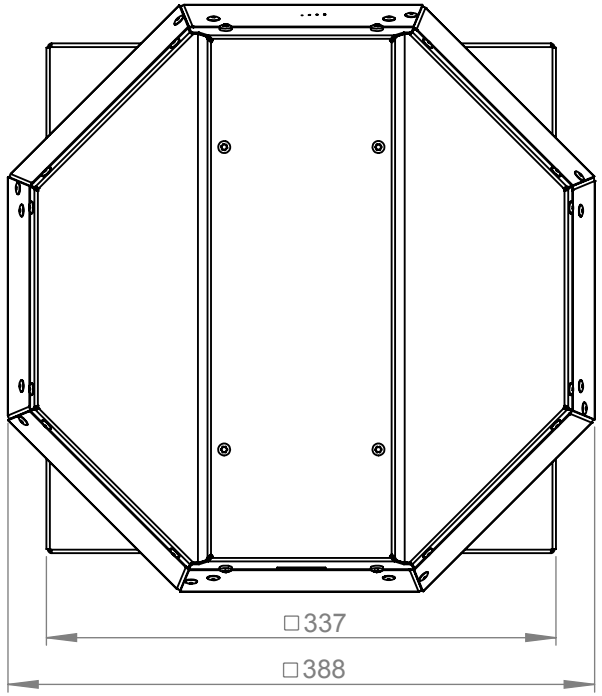
		Operating Point	1	2	3	4	5
Current I	A		0,5	0,6	0,8	0,7	0,7
Power consumption P_1	W		57	77	93	85	80
Rotation speed n	1/min		3651	3513	3336	3408	3454
SWL inlet L_{WA5}	dB(A)		75	74	73	75	78
SWL outlet L_{WA6}	dB(A)		79	78	75	79	82
SWL housing break out L_{WA2}	dB(A)		-	-	-	-	-

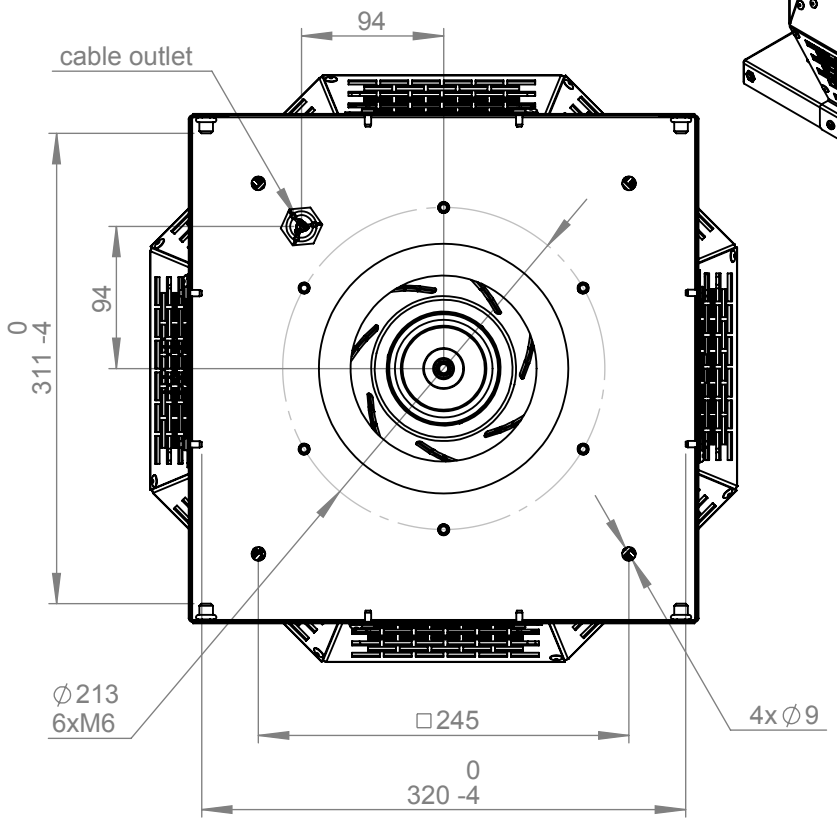
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	73	47	53	61	66	68	67	63	57
Outlet	L_{WA6}	75	46	53	61	68	69	70	66	59
Housing radiation	L_{WA2}	-	-	-	-	-	-	-	-	-

DHA 190 EC 30 | 131225	
Voltage U_N	230 V 1~
Current I_{max}	0,8 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	0,0 kg
Number of poles	-
IP motor	IP54
IP terminal box	IP44
IP complete unit	IPX4
Min. operating temperature	-30 °C









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

1:5 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

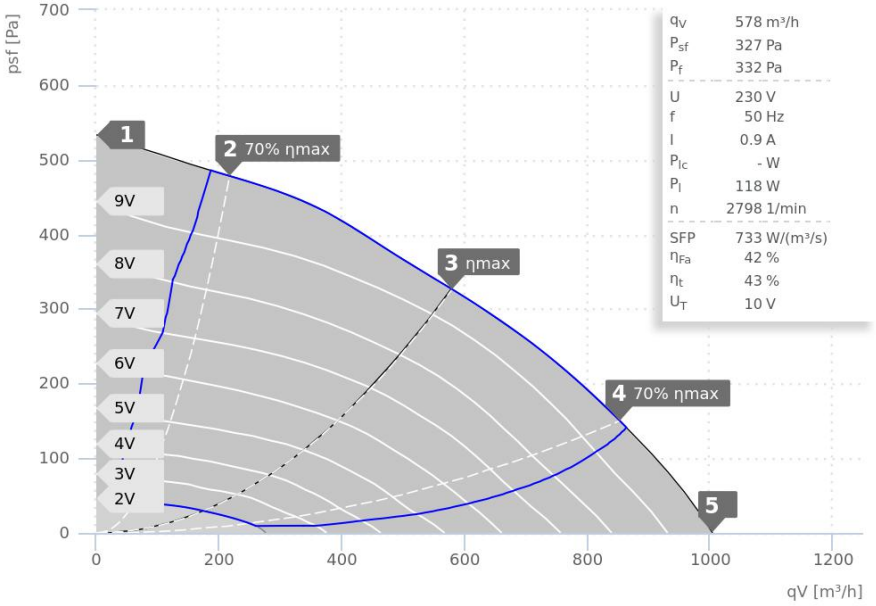
Created	l.benk	12.12.2014
Drawn	l.benk	12.12.2014
Released	v.brand	15.01.2020
Disabled		

DHA190EC30+

131225 00

DATA SHEET

DHA 220 EC 30 | 131228



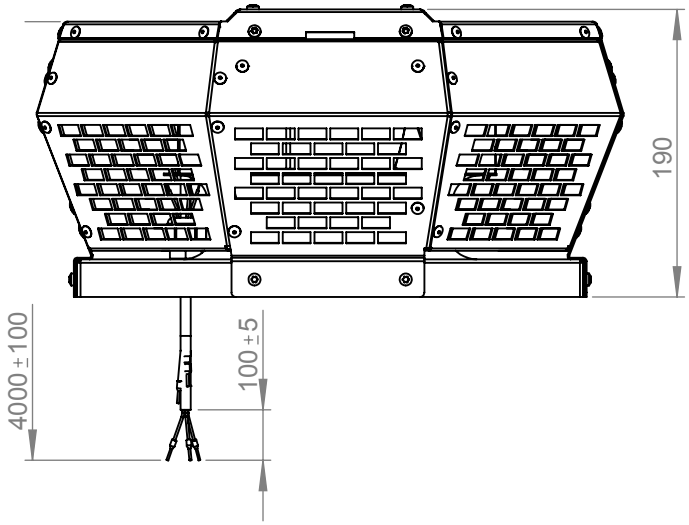
— **ErP compliant range**

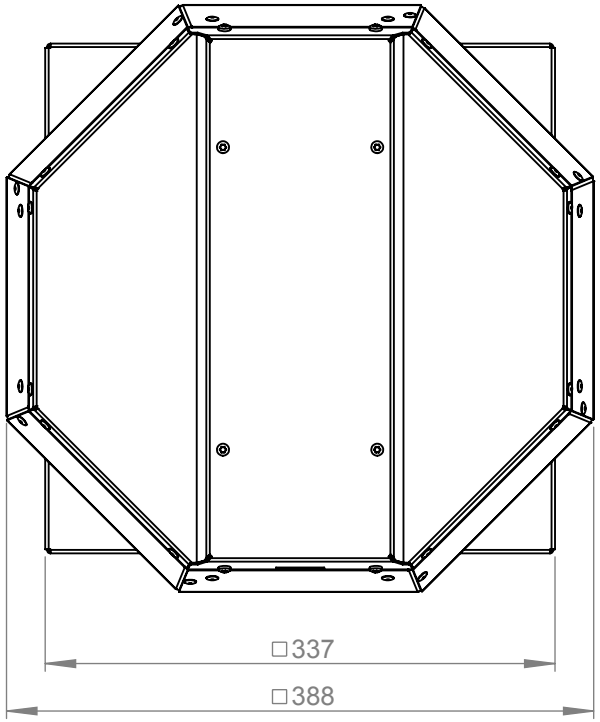
- Backward curved centrifugal fan
- EC motor
- Integrated electronic
- Internal electronic temperature monitoring
- Housing made of aluminium AlMg3

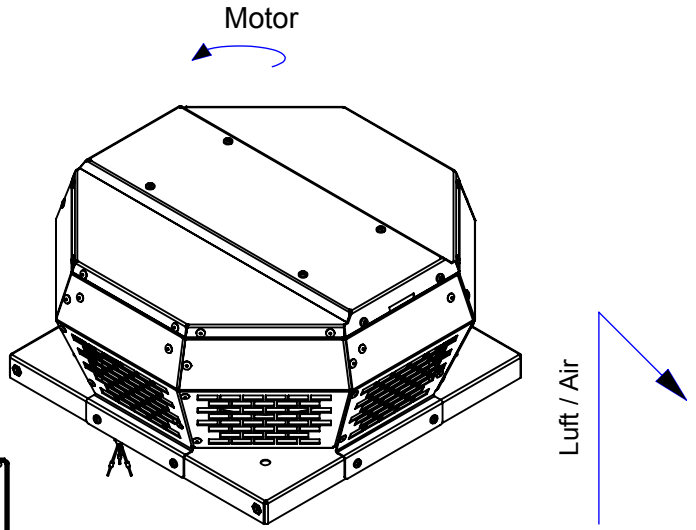
		Operating Point	1	2	3	4	5
Current I	A		0,5	0,8	0,9	0,9	0,8
Power consumption P_1	W		56	95	118	112	91
Rotation speed n	1/min		2902	2896	2797	2865	2889
SWL inlet L_{WA5}	dB(A)		75	73	68	71	74
SWL outlet L_{WA6}	dB(A)		79	77	73	75	78
SWL housing break out L_{WA2}	dB(A)		-	-	-	-	-

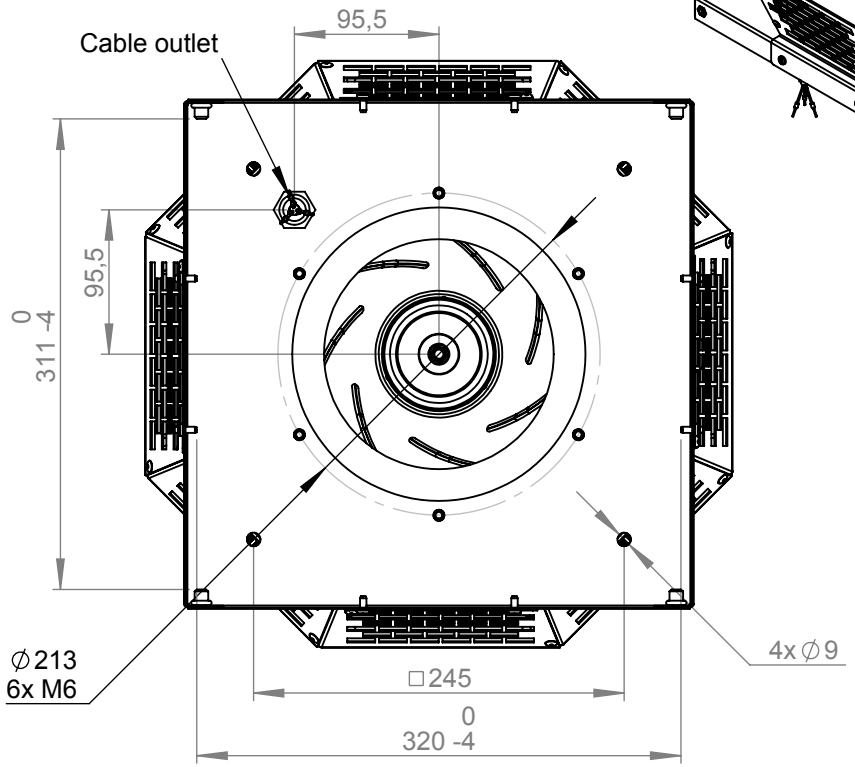
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	68	38	51	57	62	63	60	59	50
Outlet	L_{WA6}	73	39	52	61	66	67	68	63	54
Housing radiation	L_{WA2}	-	-	-	-	-	-	-	-	-

DHA 220 EC 30 | 131228	
Voltage U_N	230 V 1~
Current I_{max}	1,0 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	4,9 kg
Number of poles	-
IP motor	IP54
IP terminal box	IP44
IP complete unit	IPX4
Min. operating temperature	-30 °C









ruck VENTILATOREN

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

1:5 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-mK

Drawn:	I.benk	17.12.2014
Created:	I.benk	17.12.2014
Changed:	I.benk	17.12.14

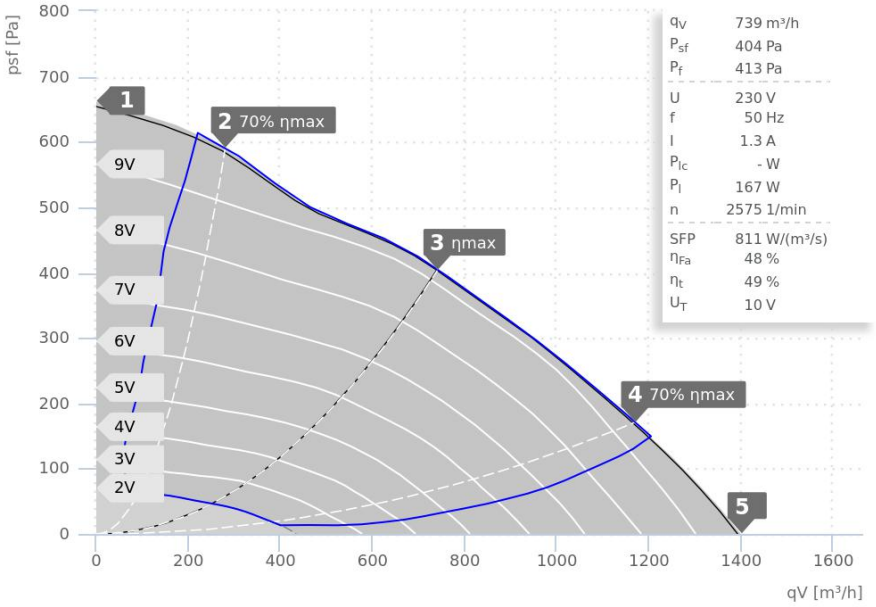
DHA220EC30+

131228 00

VENTAS VENTILATORER

DATA SHEET

DHA 250 EC 40 | 149169



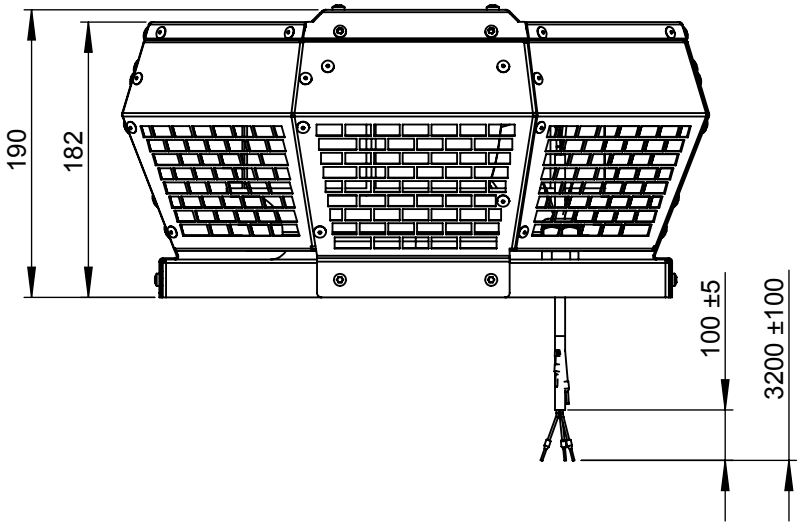
— **ErP compliant range**

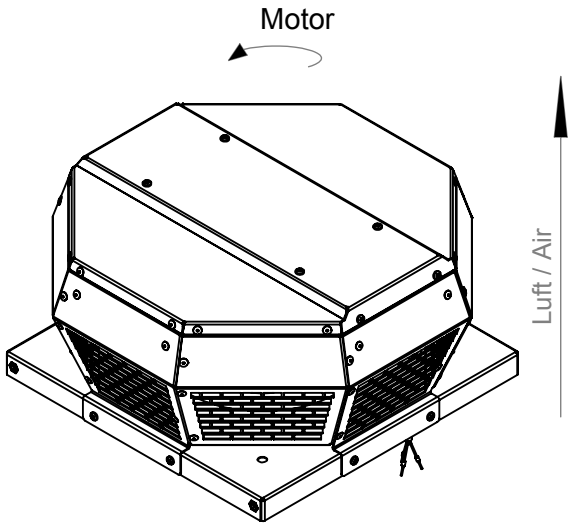
- Backward curved centrifugal fan
- EC motor
- Integrated electronic
- Internal electronic temperature monitoring
- Housing made of aluminium AlMg3

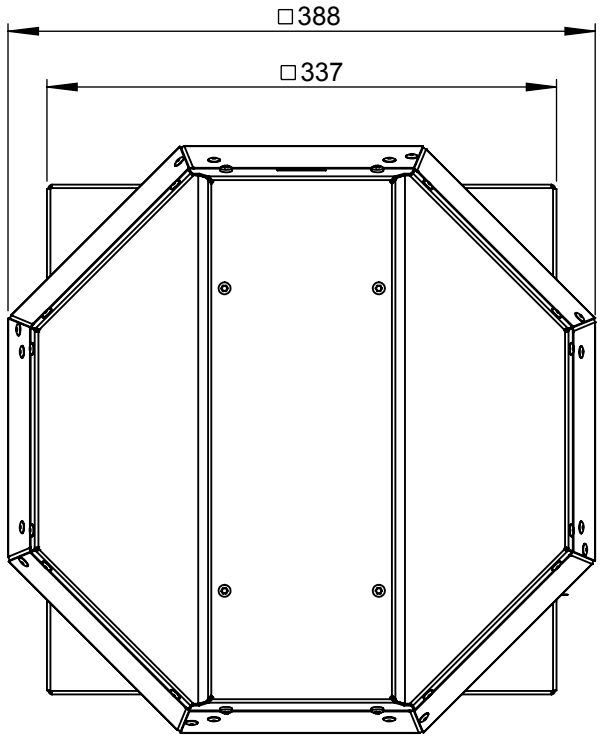
Operating Point		1	2	3	4	5
Current I	A	0,6	1,1	1,3	1,2	1,0
Power consumption P_1	W	78	134	168	156	131
Rotation speed n	1/min	2793	2749	2579	2671	2764
SWL inlet L_{WA5}	dB(A)	76	74	70	75	80
SWL outlet L_{WA6}	dB(A)	79	79	75	79	83
SWL housing break out L_{WA2}	dB(A)	-	-	-	-	-

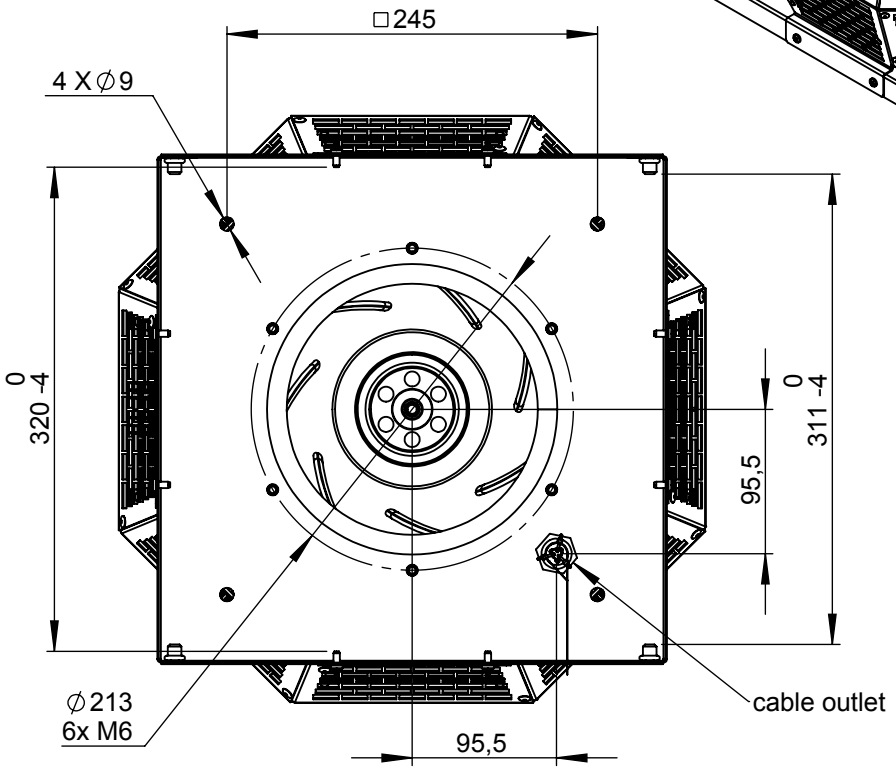
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	70	36	52	60	62	64	62	63	53
Outlet	L_{WA6}	75	38	53	64	68	69	69	67	55
Housing radiation	L_{WA2}	-	-	-	-	-	-	-	-	-

DHA 250 EC 40 | 149169	
Voltage U_N	230 V 1~
Current I_{max}	1,3 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	5,1 kg
Number of poles	-
IP motor	IP54
IP terminal box	-
IP complete unit	IPX4
Min. operating temperature	-30 °C









ruck VENTILATOREN

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

1:5 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

Created	d.ursu	18.10.2018
Drawn	d.ursu	18.10.2018
Released	d.ursu	30.10.2018
Disabled		

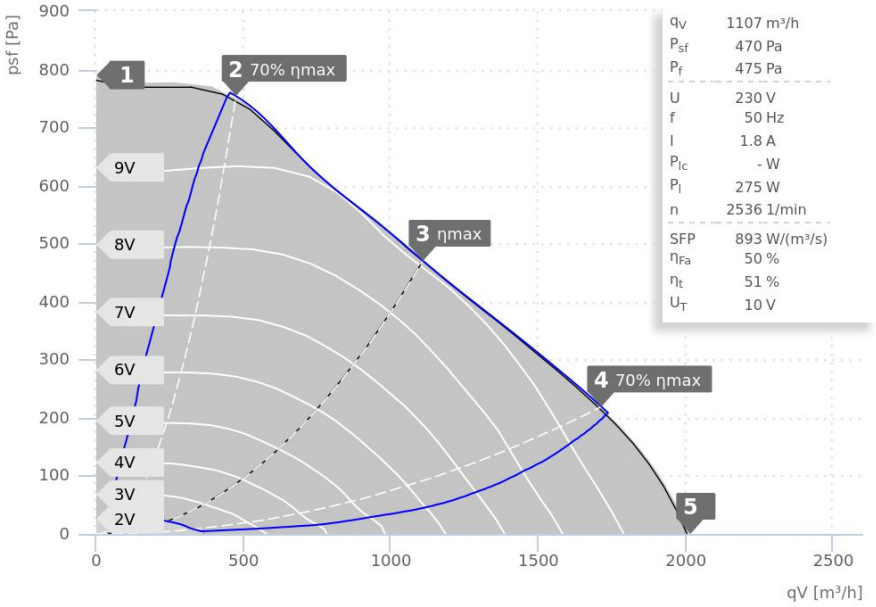
DHA250EC40

149169 00

VENTAS VENTILATORER

DATA SHEET

DHA 280 EC 30 | 131234



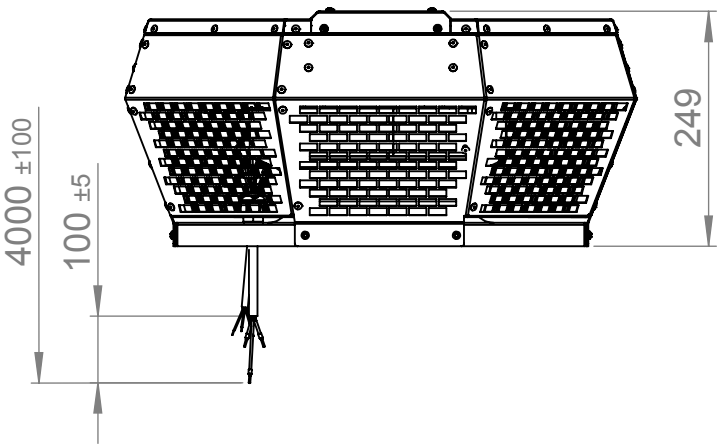
— **ErP compliant range**

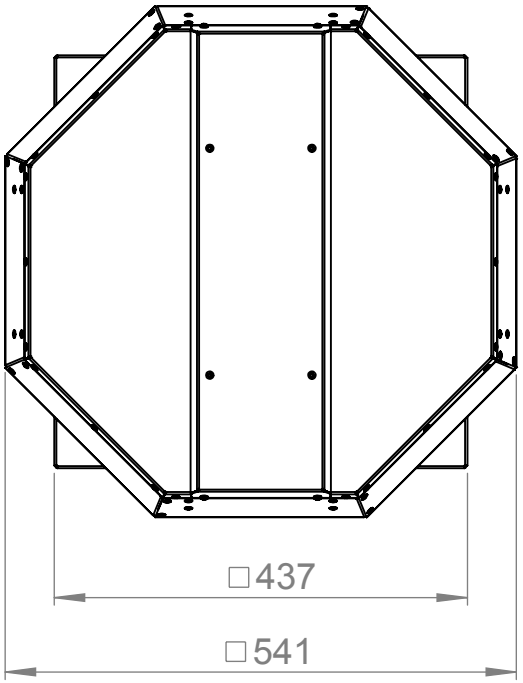
- Backward curved centrifugal fan
- EC motor
- Integrated electronic
- Internal electronic temperature monitoring
- Housing made of aluminium AlMg3

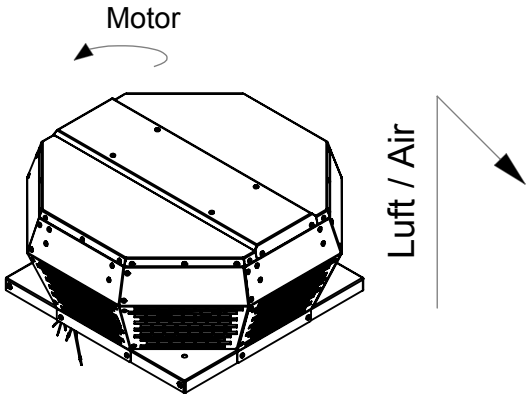
Operating Point		1	2	3	4	5
Current I	A	1,1	1,8	1,8	1,9	1,5
Power consumption P_1	W	157	271	275	284	223
Rotation speed n	1/min	2874	2836	2537	2799	2904
SWL inlet L_{WA5}	dB(A)	83	81	74	80	82
SWL outlet L_{WA6}	dB(A)	86	86	78	83	85
SWL housing break out L_{WA2}	dB(A)	-	-	-	-	-

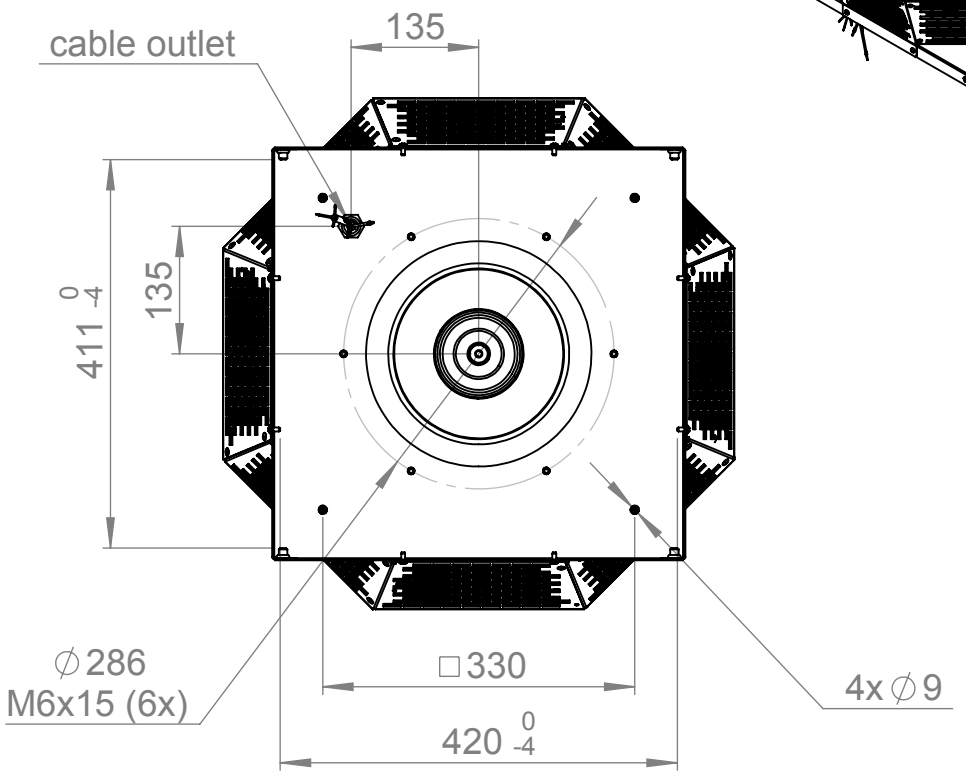
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	74	37	47	65	67	67	68	68	63
Outlet	L_{WA6}	78	37	50	69	70	73	72	70	66
Housing radiation	L_{WA2}	-	-	-	-	-	-	-	-	-

DHA 280 EC 30 | 131234	
Voltage U_N	230 V 1~
Current I_{max}	2,0 A
Ambient temperature t_A	55 °C
Conveyed medium temperature t_M	55 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	8,4 kg
Number of poles	-
IP motor	IP33
IP terminal box	IP44
IP complete unit	IPX4
Min. operating temperature	-30 °C









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

1:8 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

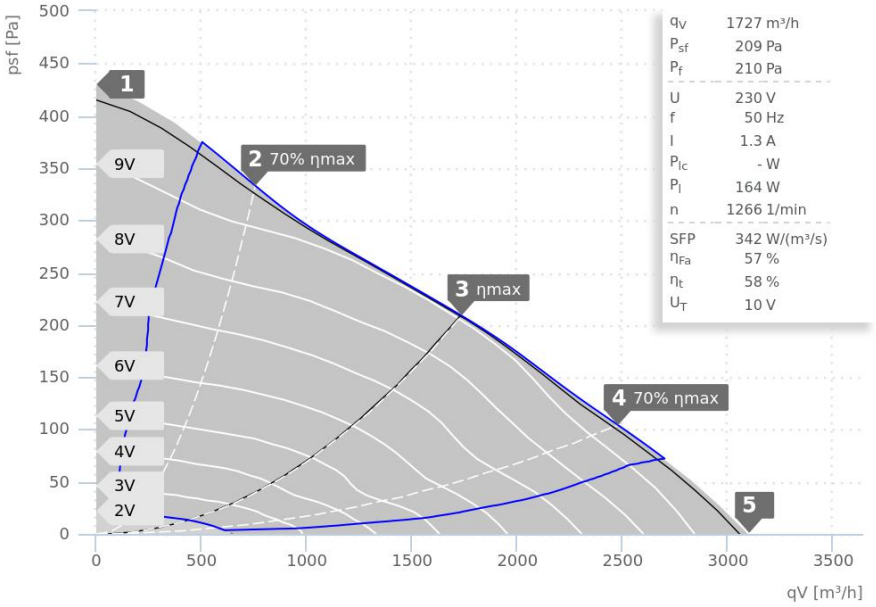
Created	a.mezei	17.12.2014
Drawn	a.mezei	17.12.2014
Released	v.brand	16.01.2020
Disabled		

DHA280EC30+

131234 00

DATA SHEET

DHA 355 EC 30 | 131237



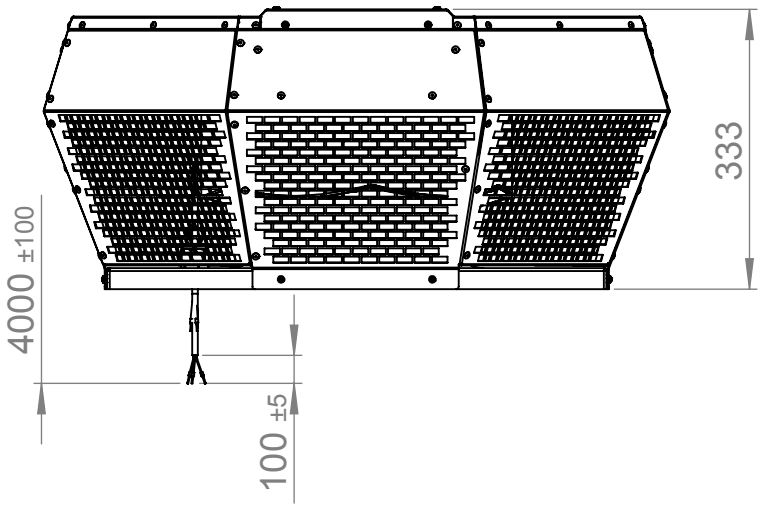
— **ErP compliant range**

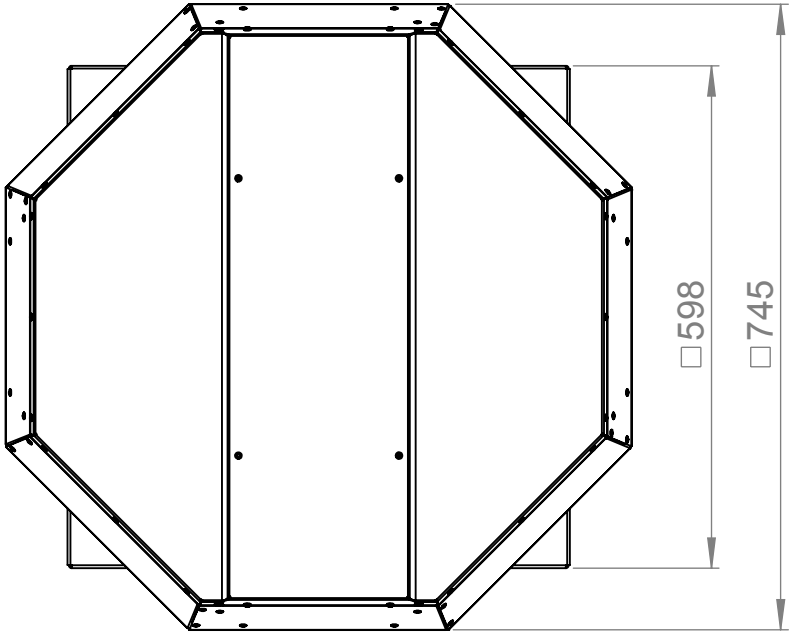
- Backward curved centrifugal fan
- EC motor
- Integrated electronic
- Internal electronic temperature monitoring
- Housing made of aluminium AlMg3

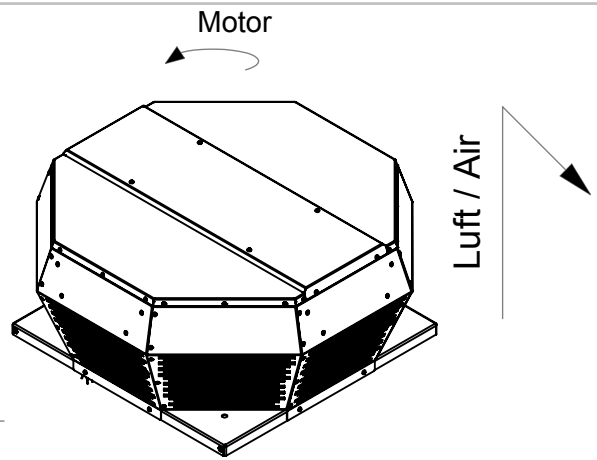
		Operating Point	1	2	3	4	5
Current I	A		0,9	1,3	1,3	1,3	1,3
Power consumption P_1	W		107	168	165	165	165
Rotation speed n	1/min		1541	1379	1269	1339	1422
SWL inlet L_{WA5}	dB(A)		71	69	67	71	74
SWL outlet L_{WA6}	dB(A)		75	72	70	75	78
SWL housing break out L_{WA2}	dB(A)		-	-	-	-	-

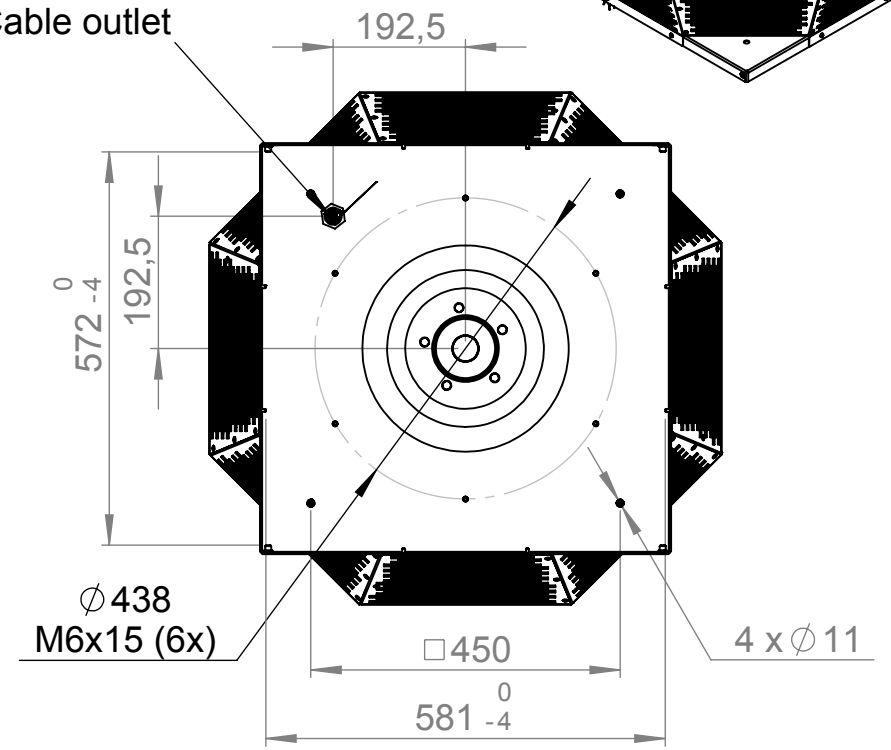
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	67	31	48	53	57	58	66	54	45
Outlet	L_{WA6}	70	33	50	58	61	63	68	57	47
Housing radiation	L_{WA2}	-	-	-	-	-	-	-	-	-

DHA 355 EC 30 | 131237	
Voltage U_N	230 V 1~
Current I_{max}	1,4 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	60 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	B
Weight	14,4 kg
Number of poles	-
IP motor	IP54
IP terminal box	IP44
IP complete unit	IPX4
Min. operating temperature	-25 °C









ruck VENTILATOREN

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

1:9 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-mK

Drawn: l.benk 14.01.2015
Created: l.benk 14.01.2015
Changed:

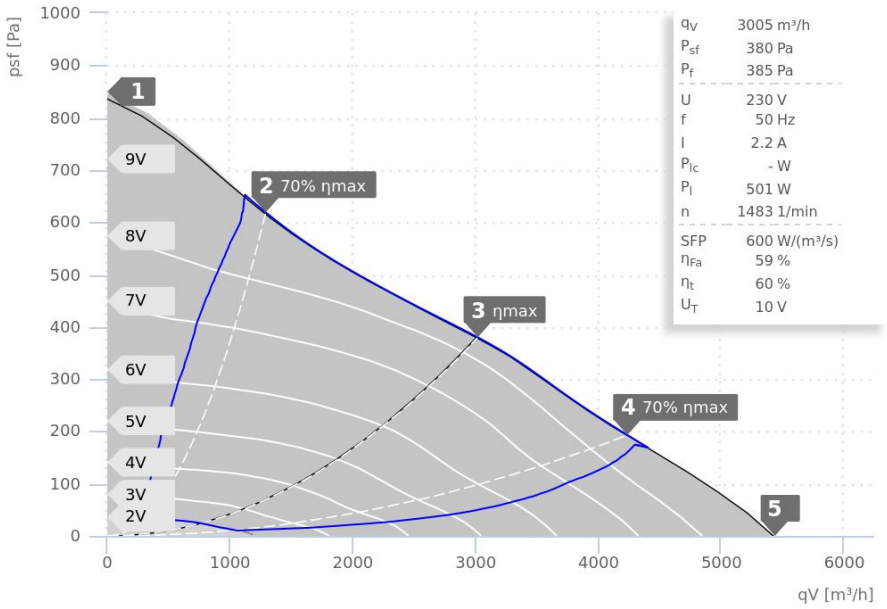
DHA355EC30+

131237 00

VENTAS VENTILATORER

DATA SHEET

DHA 400 EC 30 | 131240



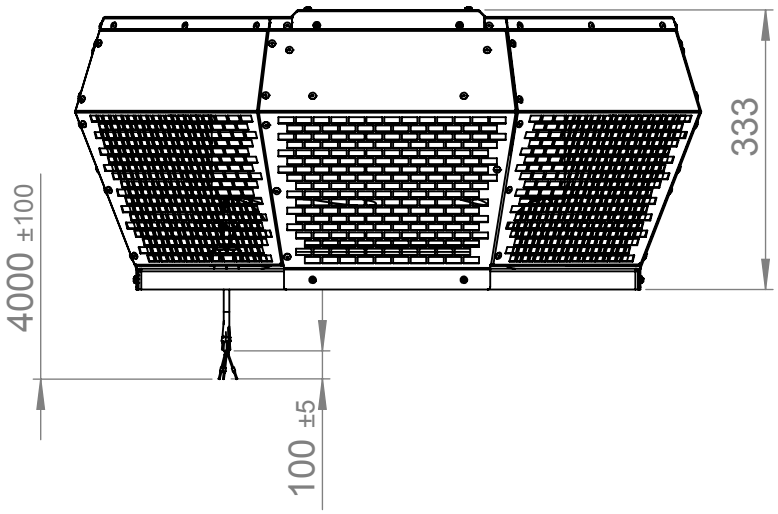
— **ErP compliant range**

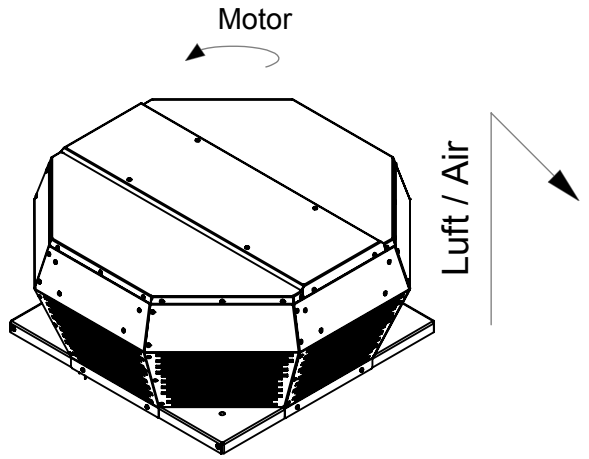
- Backward curved centrifugal fan
- EC motor
- Integrated electronic
- Internal electronic temperature monitoring
- Housing made of aluminium AlMg3

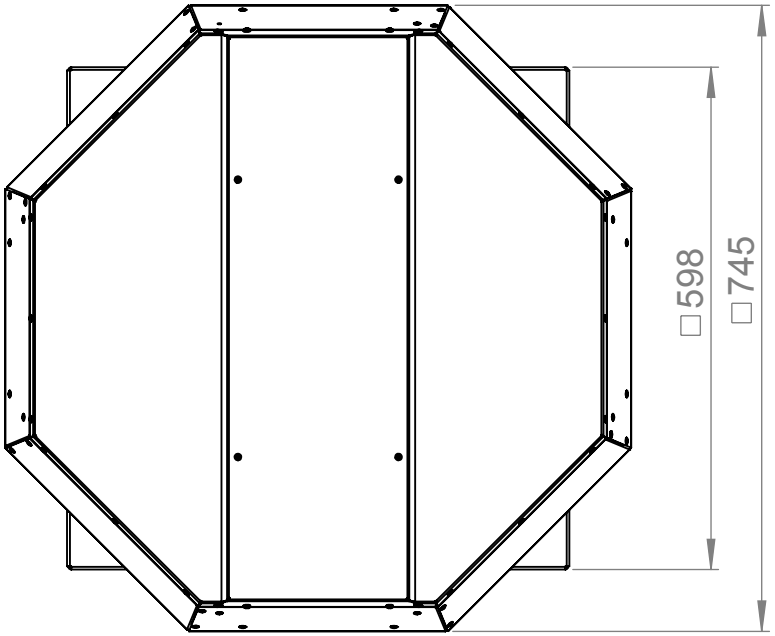
		Operating Point	1	2	3	4	5
Current I	A		1,7	2,2	2,2	2,2	2,2
Power consumption P_1	W		375	509	501	504	506
Rotation speed n	1/min		1949	1657	1486	1589	1699
SWL inlet L_{WA5}	dB(A)		80	74	72	75	80
SWL outlet L_{WA6}	dB(A)		86	80	76	80	85
SWL housing break out L_{WA2}	dB(A)		-	-	-	-	-

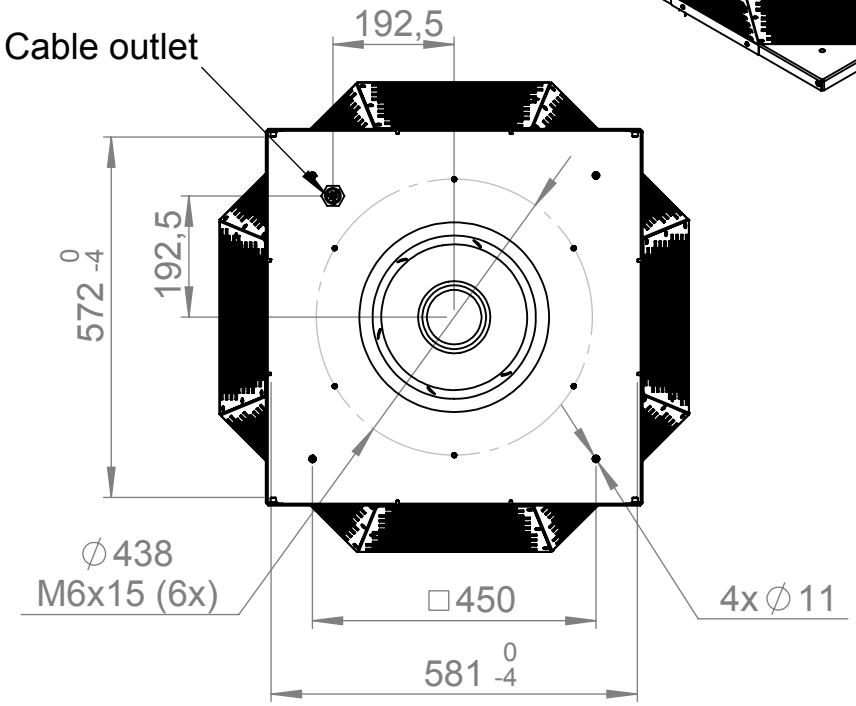
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	72	35	63	61	63	62	66	65	53
Outlet	L_{WA6}	76	40	63	66	68	70	67	69	55
Housing radiation	L_{WA2}	-	-	-	-	-	-	-	-	-

DHA 400 EC 30 | 131240	
Voltage U_N	230 V 1~
Current I_{max}	2,3 A
Ambient temperature t_A	50 °C
Conveyed medium temperature t_M	50 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	16,5 kg
Number of poles	-
IP motor	IP54
IP terminal box	IP44
IP complete unit	IPX4
Min. operating temperature	-25 °C









ruck VENTILATOREN

1:9 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-mK

DHA400EC30+

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

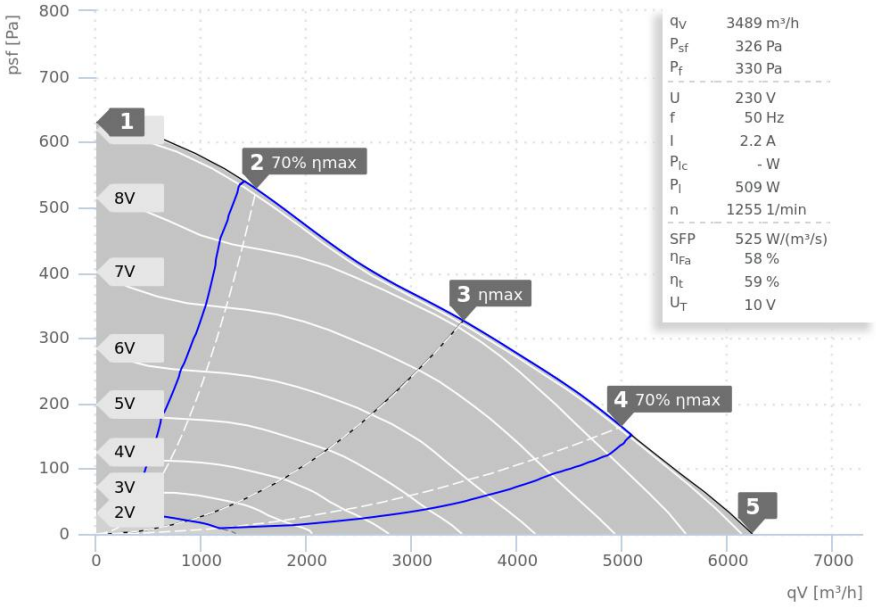
Drawn: l.benk 04.12.2014
Created: l.benk 04.12.2014
Changed: l.benk 27.01.15

131240 00

VENTAS VENTILATORER

DATA SHEET

DHA 450 EC 30 | 131243



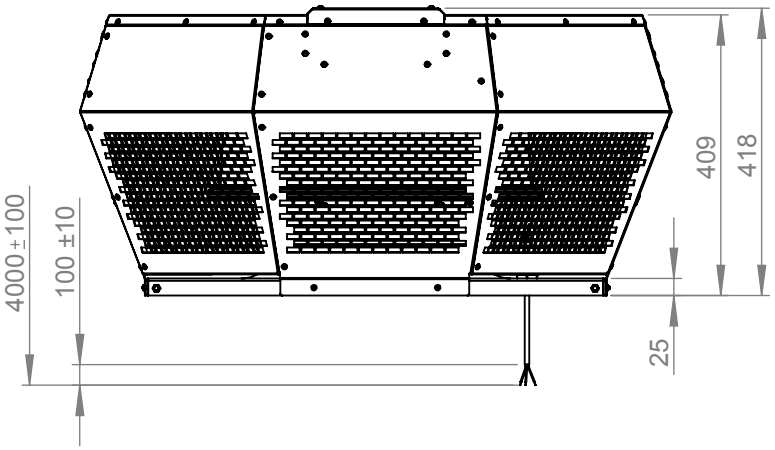
— **ErP compliant range**

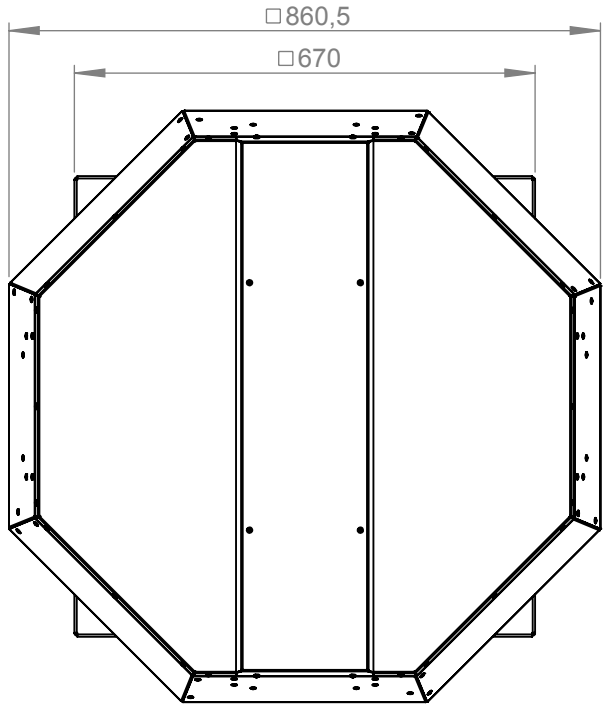
- Backward curved centrifugal fan
- EC motor
- Integrated electronic
- Internal electronic temperature monitoring
- Housing made of aluminium AlMg3

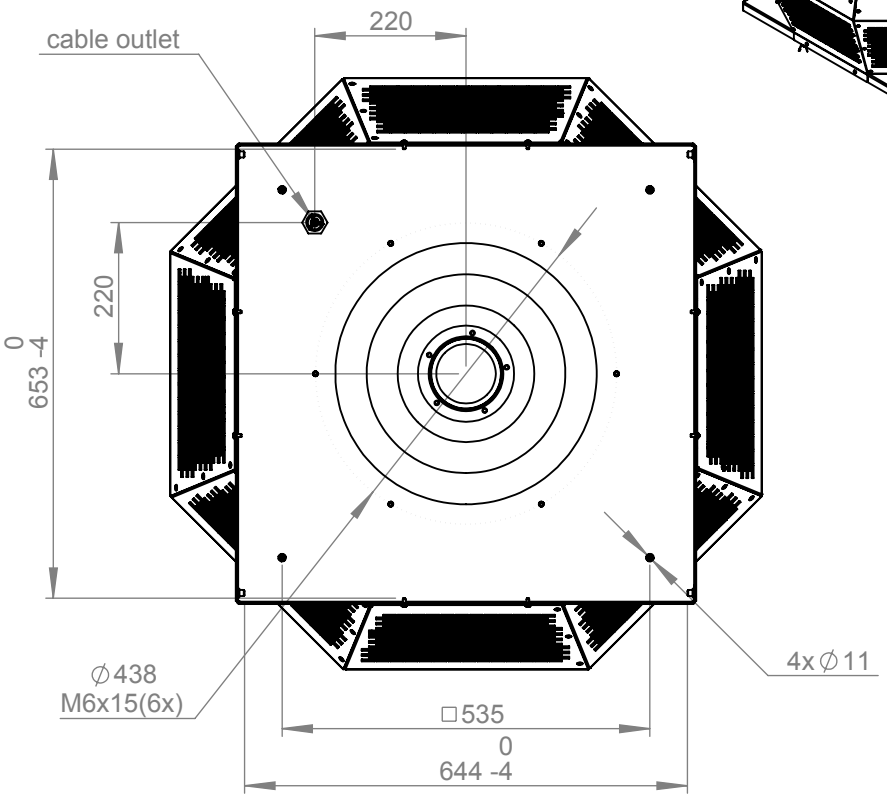
		Operating Point	1	2	3	4	5
Current I	A		1,4	2,3	2,2	2,2	2,3
Power consumption P_1	W		321	531	509	510	511
Rotation speed n	1/min		1526	1405	1255	1361	1450
SWL inlet L_{WA5}	dB(A)		79	77	71	76	79
SWL outlet L_{WA6}	dB(A)		84	81	75	82	85
SWL housing break out L_{WA2}	dB(A)		-	-	-	-	-

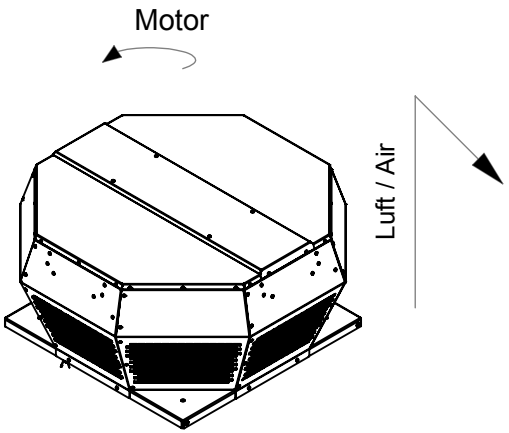
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	71	40	58	59	65	66	65	60	50
Outlet	L_{WA6}	75	44	59	65	68	71	69	63	52
Housing radiation	L_{WA2}	-	-	-	-	-	-	-	-	-

DHA 450 EC 30 | 131243	
Voltage U_N	230 V 1~
Current I_{max}	2,4 A
Ambient temperature t_A	50 °C
Conveyed medium temperature t_M	50 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	20,2 kg
Number of poles	-
IP motor	IP54
IP terminal box	IP44
IP complete unit	IPX4
Min. operating temperature	-25 °C









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

1:11 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

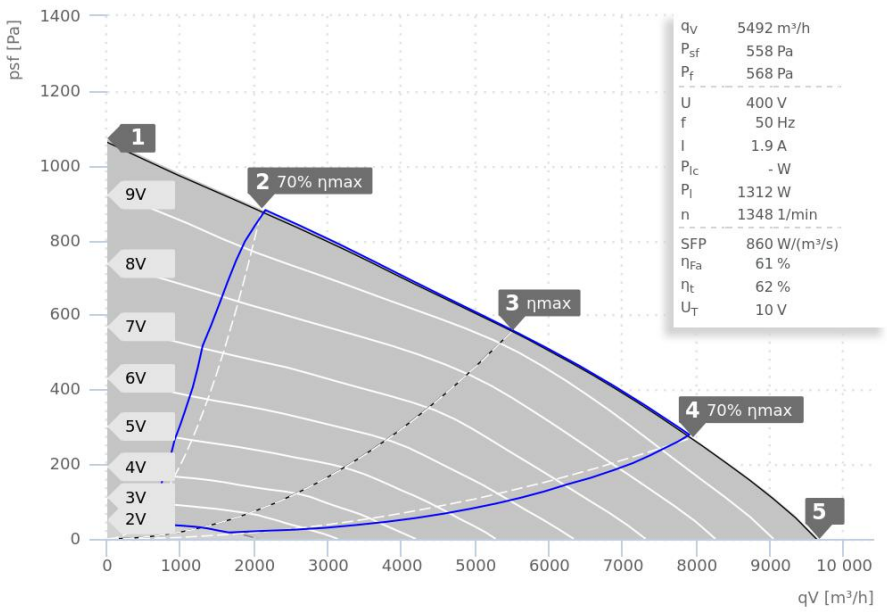
Created	m.szabo	06.01.2015
Drawn	m.szabo	06.01.2015
Released	v.brand	16.01.2020
Disabled		

DHA450EC30+

131243 00

DATA SHEET

DHA 500 EC 30 | 131246



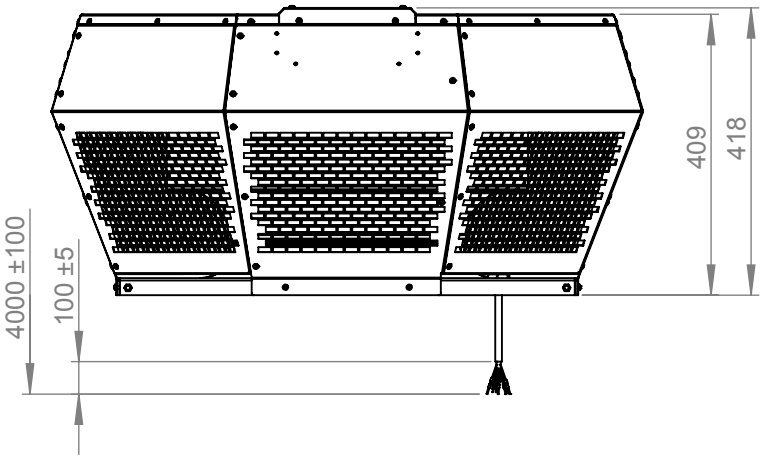
— **ErP compliant range**

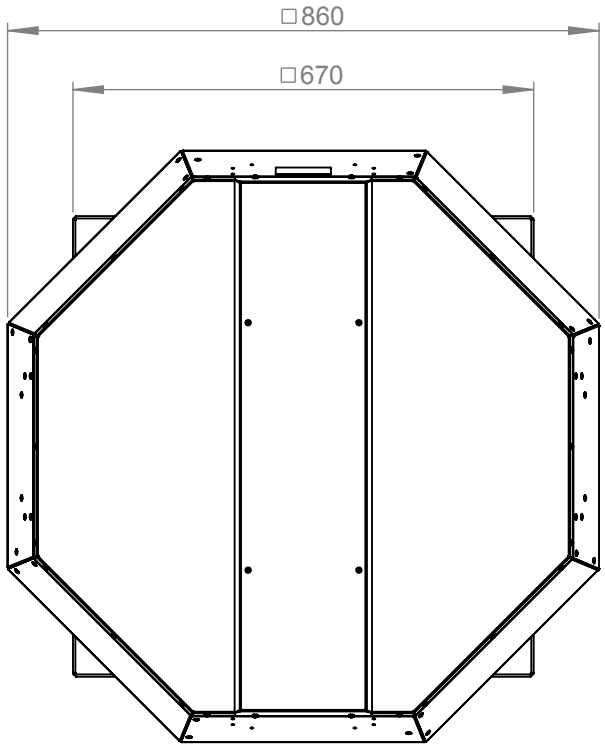
- Backward curved centrifugal fan
- EC motor
- Integrated electronic
- Internal electronic temperature monitoring
- Housing made of aluminium AlMg3

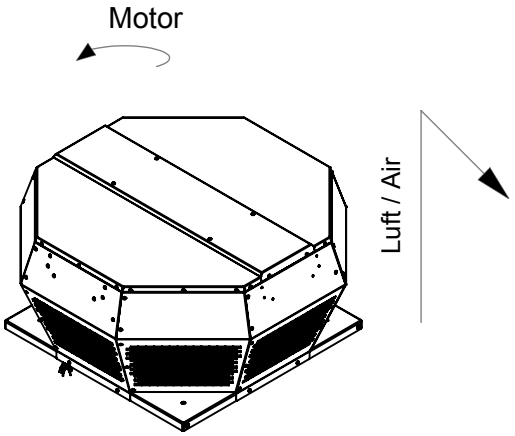
		Operating Point	1	2	3	4	5
Current I	A		1,1	1,7	1,9	1,9	1,7
Power consumption P_1	W		729	1156	1320	1316	1125
Rotation speed n	1/min		1593	1479	1350	1435	1485
SWL inlet L_{WA5}	dB(A)		82	79	76	80	84
SWL outlet L_{WA6}	dB(A)		87	85	82	86	89
SWL housing break out L_{WA2}	dB(A)		-	-	-	-	-

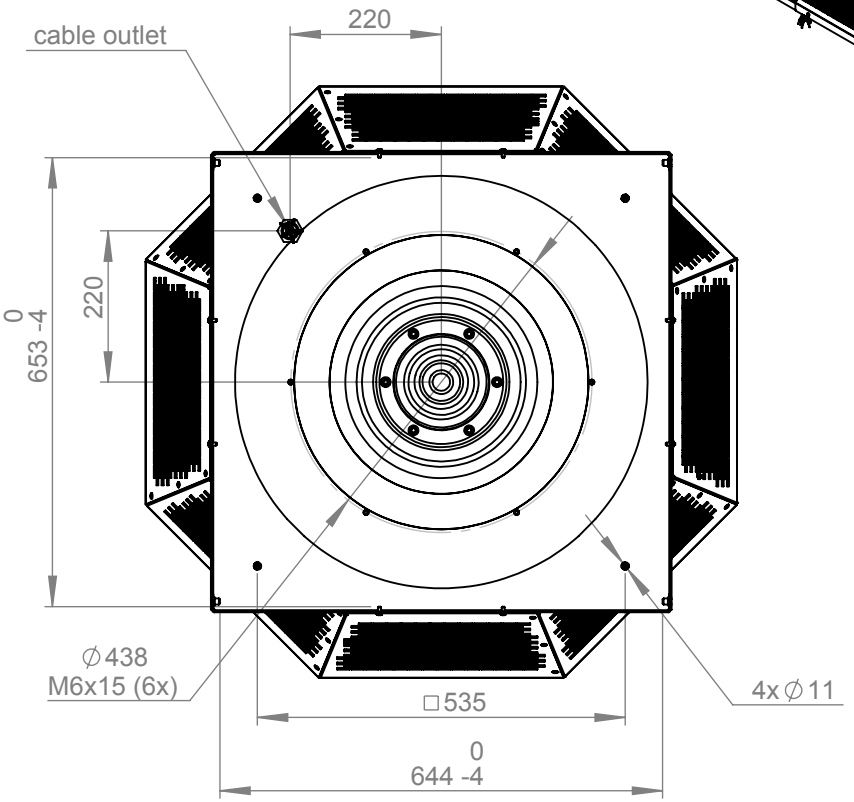
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	76	43	69	68	68	69	67	64	61
Outlet	L_{WA6}	82	47	72	75	78	76	72	67	63
Housing radiation	L_{WA2}	-	-	-	-	-	-	-	-	-

DHA 500 EC 30 | 131246	
Voltage U_N	400 V 3~
Current I_{max}	2,1 A
Ambient temperature t_A	50 °C
Conveyed medium temperature t_M	50 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	26,8 kg
Number of poles	-
IP motor	IP54
IP terminal box	IP44
IP complete unit	IPX4
Min. operating temperature	-25 °C









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

1:11 A4 mm

Protection Mark according to ISO16016

General tolerances DIN ISO 2768-c

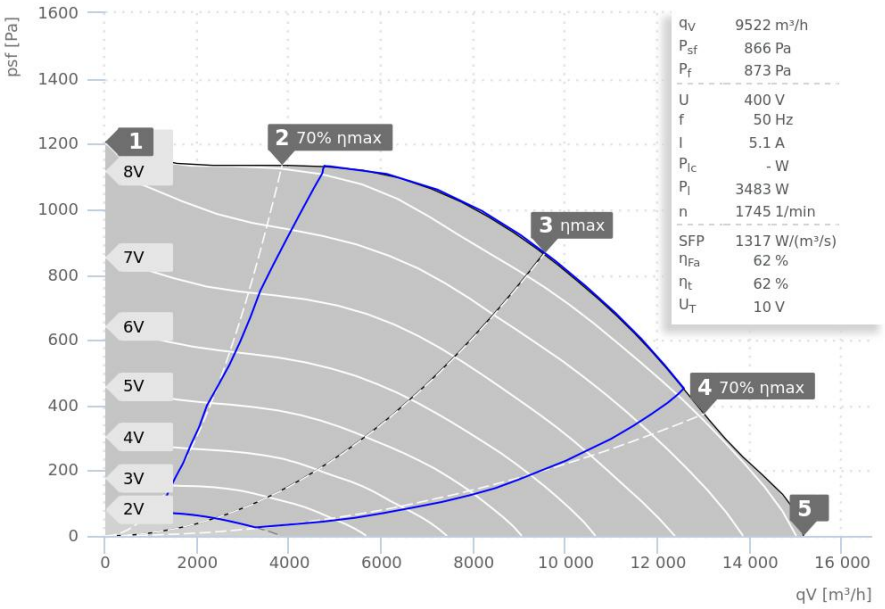
Created	l.benk	18.11.2014
Drawn	l.benk	18.11.2014
Released	v.brand	17.01.2020
Disabled		

DHA500EC30+

131246 00

DATA SHEET

DHA 560 EC 30 | 131249



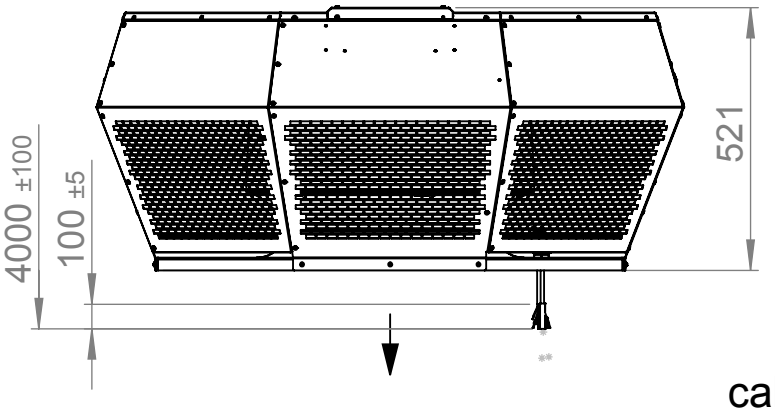
— **ErP compliant range**

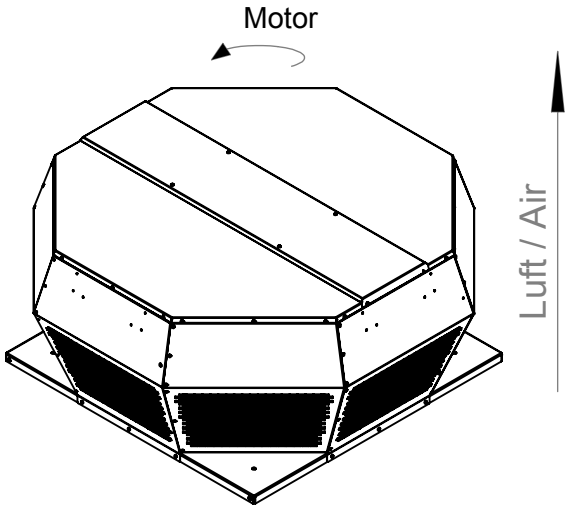
- Backward curved centrifugal fan
- EC motor
- Integrated electronic
- Internal electronic temperature monitoring
- Housing made of aluminium AlMg3

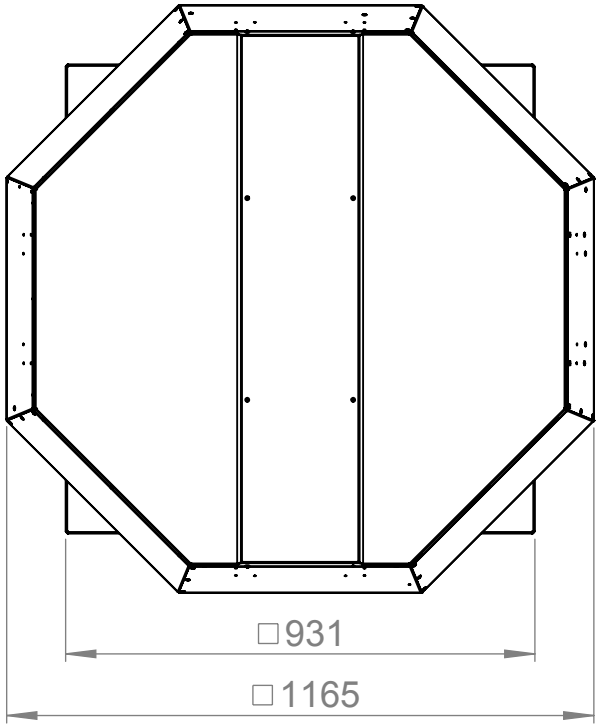
		Operating Point	1	2	3	4	5
Current I	A		2,0	3,9	5,1	4,2	4,0
Power consumption P_1	W		1315	2687	3506	2909	2733
Rotation speed n	1/min		1784	1771	1749	1746	1788
SWL inlet L_{WA5}	dB(A)		88	87	86	88	91
SWL outlet L_{WA6}	dB(A)		92	92	89	92	95
SWL housing break out L_{WA2}	dB(A)		-	-	-	-	-

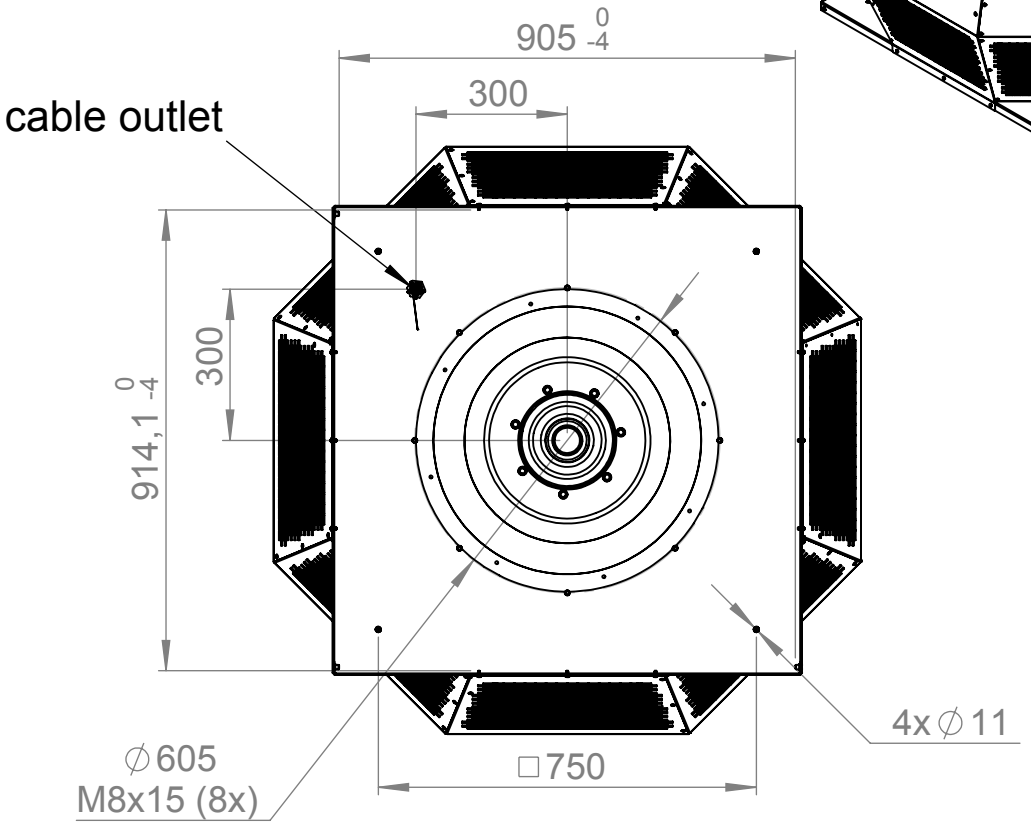
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	86	51	78	81	80	79	76	71	66
Outlet	L_{WA6}	89	55	79	80	82	84	80	75	68
Housing radiation	L_{WA2}	-	-	-	-	-	-	-	-	-

DHA 560 EC 30 | 131249	
Voltage U_N	400 V 3~
Current I_{max}	5,4 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	47,2 kg
Number of poles	-
IP motor	IP55
IP terminal box	-
IP complete unit	-
Min. operating temperature	-30 °C









ruck VENTILATOREN

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	l.benk	26.11.2014
Drawn	l.benk	26.11.2014
Released	v.brand	13.01.2020
Disabled		

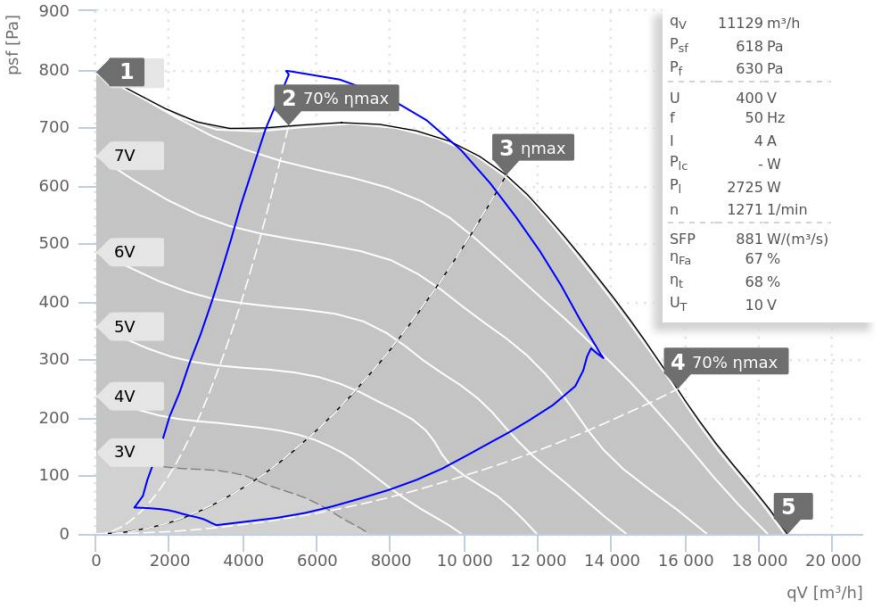
DHA560EC30+

131249 00

VENTAS VENTILATORER

DATA SHEET

DHA 630 EC 40 | 157272



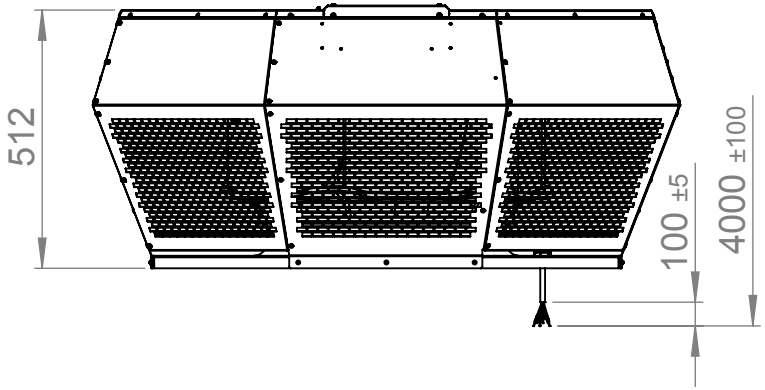
— **ErP compliant range**

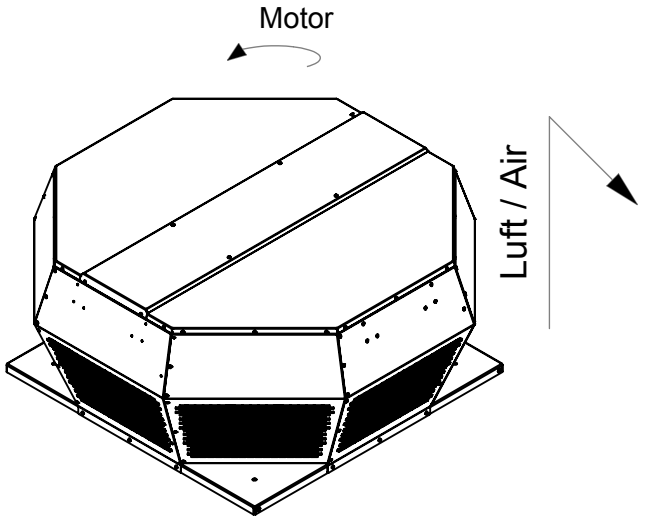
- Backward curved centrifugal fan
- EC motor
- Integrated electronic
- Internal electronic temperature monitoring
- Housing made of aluminium AlMg3

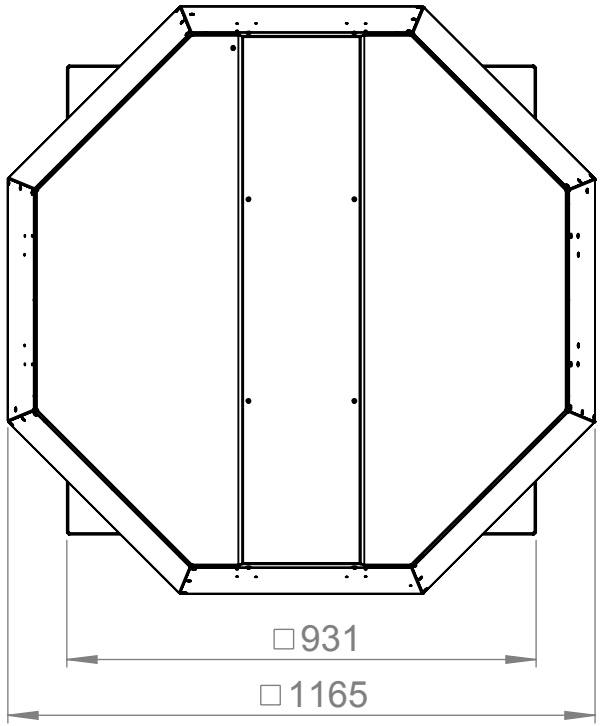
Operating Point		1	2	3	4	5
Current I	A	2,1	3,1	4,0	3,2	2,5
Power consumption P_1	W	1415	2113	2723	2203	1688
Rotation speed n	1/min	1285	1288	1272	1272	1281
SWL inlet L_{WA5}	dB(A)	83	84	81	83	83
SWL outlet L_{WA6}	dB(A)	89	87	84	87	87
SWL housing break out L_{WA2}	dB(A)	-	-	-	-	-

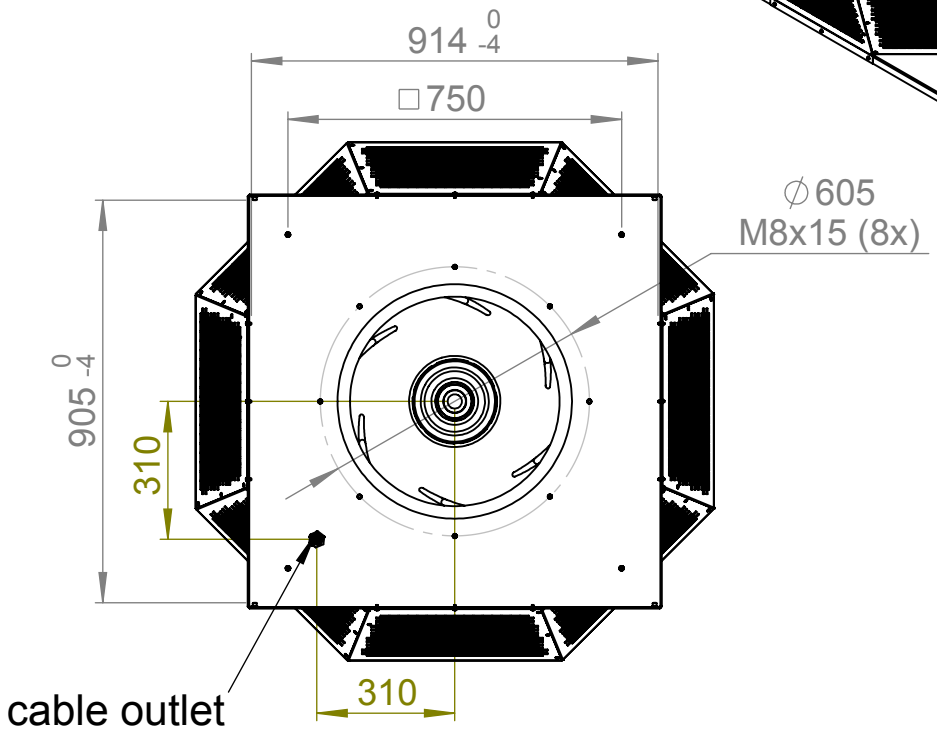
Sound power (L_W) dB(A)		Medium Frequency Band								
		Σ	**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
Inlet	L_{WA5}	81	48	73	76	74	73	70	67	61
Outlet	L_{WA6}	84	49	74	77	79	78	74	68	61
Housing radiation	L_{WA2}	-	-	-	-	-	-	-	-	-

DHA 630 EC 40 | 157272	
Voltage U_N	400 V 3~
Current I_{max}	4,2 A
Ambient temperature t_A	40 °C
Conveyed medium temperature t_M	40 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	49,0 kg
Number of poles	-
IP motor	IP55
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °C









ruck VENTILATOREN

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	d.hancu	10.03.2021
Drawn	d.hancu	10.03.2021
Released	d.hancu	10.03.2021
Disabled		

DHA630EC40

157272 00

VENTAS VENTILATORER