



Assembly

The base plate of the roof fans consists of galvanized steel sheet with a deep-drawn inlet nozzle. Mounting accessories, e.g. roof socket, gravity shutter, can be found in our range of accessories.

Installation example with specific accessories

DVA ROOF FAN

DSS SOCKET SILENCER

DAP ROOF ADAPTER PLATE

DVK SHUTTER AUTOMATIC

DAS ROOF INLET COLLAR

DAF INLET FLANGE

ROUND DUCT

Electrical accessories



■ MTP 20 - Potentiometer 10 Ω



■ SEN CO2 - CO₂ sensor



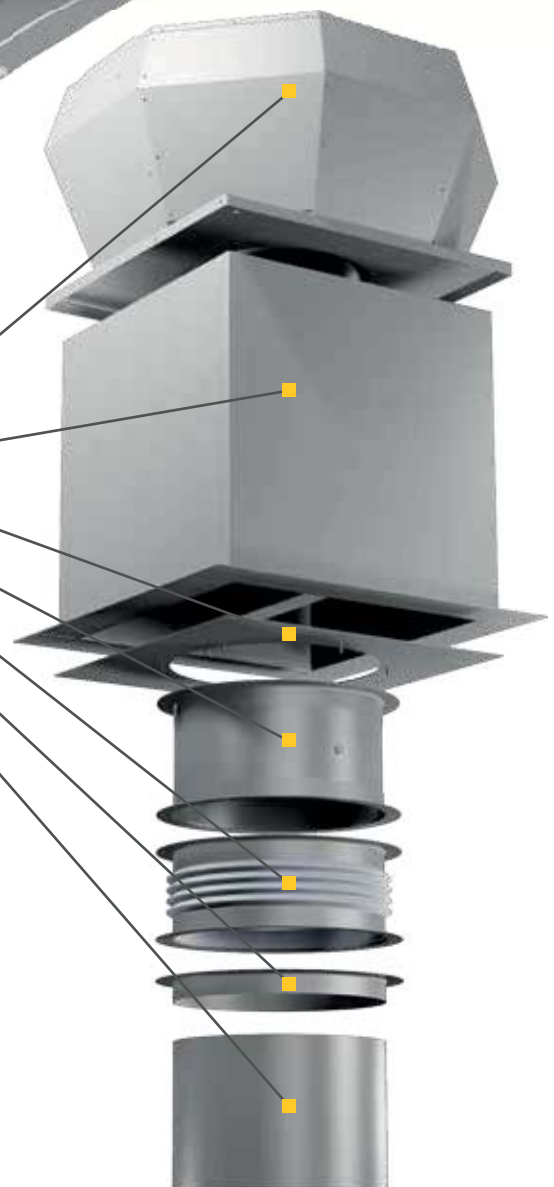
■ CON P1000 - Constant pressure control

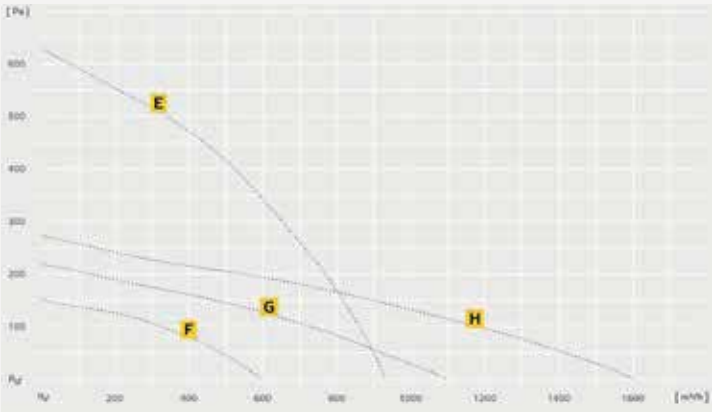
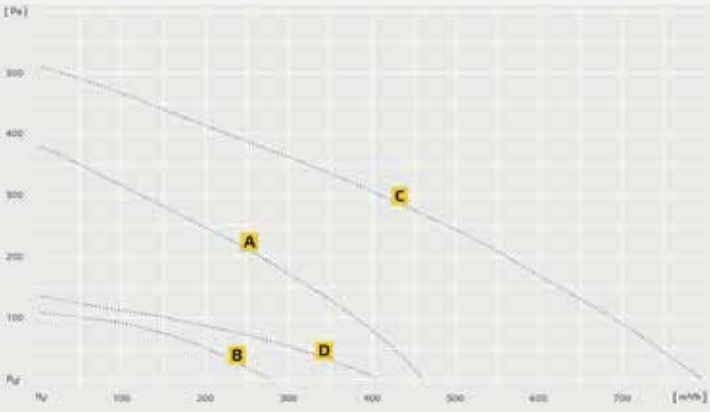


■ FU... - Frequency converter



■ TEM... - Step transformer



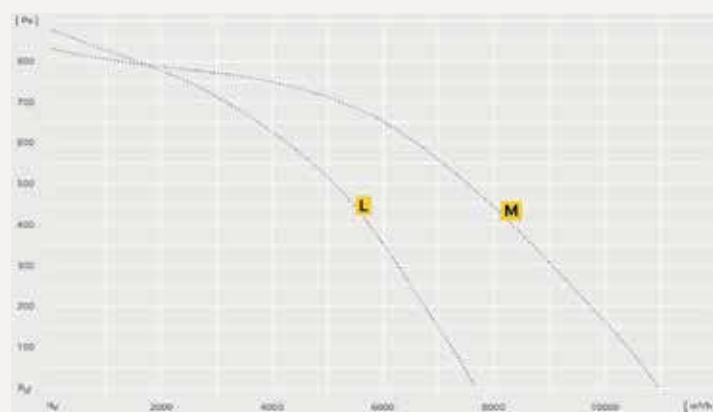
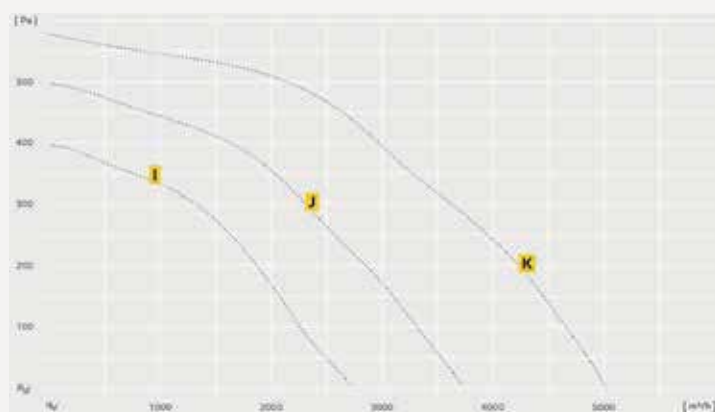


A Type	C Type	E Type	G Type	H Type
DVA190 E2P 31 139345	DVA 220 E2P 31 139339	DVA 225 E2P 31 139332	DVA 280 E4P 31 139321	DVA 315 E4P 31 139319
230V ~ 50 Hz	230V ~ 50 Hz	230V ~ 50 Hz	230V ~ 50 Hz	230V ~ 50 Hz
0,3 A	0,6 A	0,9 A	0,4 A	0,6 A
64/64 db(A)	66/67 db(A)	70/73 db(A)	57/61 db(A)	60/64 db(A)
49 W	110 W	154 W	82 W	114 W
460 m³/h	800 m³/h	930 m³/h	1100 m³/h	1600 m³/h
28,7 %	31,1 %	37,9 %	24,9 %	32,7 %
124454	124461	124461	124461	124461
4,8 kg	5,5 kg	5,7 kg	8,4 kg	8,5 kg
V	V	V	V	V
B Type	D Type	F Type		
DVA190 E4P 31 139342	DVA 220 E4P 31 139334	DVA 250 E4P 31 139330		
230V ~ 50 Hz	230V ~ 50 Hz	230V ~ 50 Hz		
0,2 A	0,2 A	0,3 A		
52/55 db(A)	50/51 db(A)	61/62 db(A)		
18 W	21 W	52 W		
280 m³/h	410 m³/h	590 m³/h		
16,7 %	23 %	17,5 %		
128555	128555	124461		
5,0 kg	5,2 kg	5,8 kg		
V	V	V		

	5-step transformer
	7-step transformer
	5-step transformer
	5-step transformer
	7-step transformer
	Flat roof socket
	Socket silencer
	Sloped roof socket
	Sloped roof socket sound insulated
	Inlet flange
	Roof inlet collar
	Shutter automatic
	Roof adapter plate

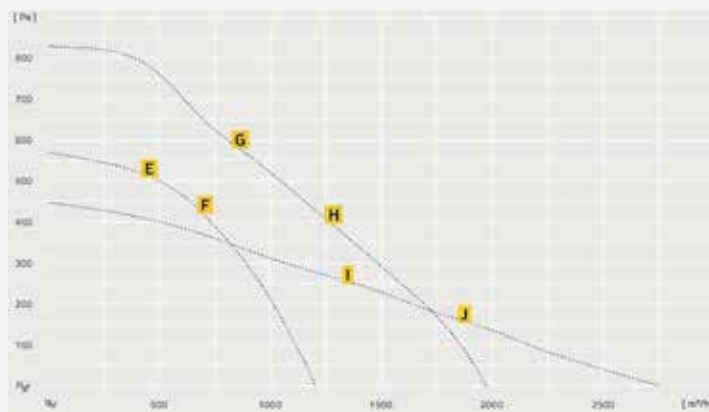
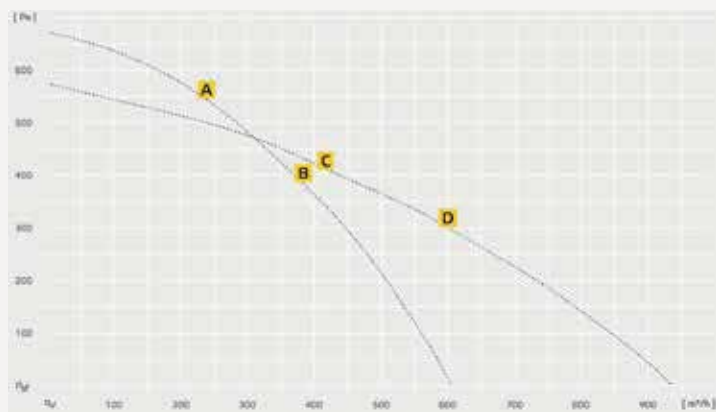
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TES 0145 111858	TES 0145 111858	TES 0145 111858	TES 0145 111858	TES 0145 111858
DSF 220-10 126170	DSF 220-10 126170	DSF 220-10 126170	DSF 280-10 126164	DSF 280-10 126164
DSS 220-10 126356	DSS 220-10 126356	DSS 220-10 126356	DSS 280-10 126383	DSS 280-10 126383
DSF 220-12 133709	DSF 220-12 133709	DSF 220-12 133709	DSF 280-12 133736	DSF 280-12 133736
further see page: 122	further see page: 122	further see page: 122	further see page: 122	further see page: 122
DSS 220-12 134283	DSS 220-12 134283	DSS 220-12 134283	DSS 280-12 134357	DSS 280-12 134357
further see page: 123	further see page: 123	further see page: 123	further see page: 123	further see page: 123
DAF 180 110744	DAF 180 110744	DAF 180 110744	DAF 250 110585	DAF 250 110585
DAS 180 110745	DAS 180 110745	DAS 180 110745	DAS 250 109413	DAS 250 109413
DVK 180 104800	DVK 180 104800	DVK 180 104800	DVK 250 109233	DVK 250 109233
DAP 220 133946	DAP 220 133946	DAP 220 133946	DAP 280 133954	DAP 280 133954

- Roof fan, vertical exhaust
- Backward curved centrifugal impeller
- Housing made of seawater-resistant aluminum AlMg3
- Swing-out fan unit
- With isolator switch (DHA...P)
- Voltage controllable AC motors



I Type	J Type	K Type	L Type	M Type
DVA 355 E4P 31 139320	DVA 400 E4P 31 139317	DVA 450 D4P 31 139310	DVA 500 D4P 31 139304	DVA 560 D4P 31 139300
230V ~ 50 Hz	230V ~ 50 Hz	400V 3~ 50 Hz	400V 3~ 50 Hz	400V 3~ 50 Hz
1,3 A	1,3 A	1,5 A	3,4 A	4,8 A
64/66 db(A)	67/71 db(A)	72/75 db(A)	80/79 db(A)	81/82 db(A)
249 W	249 W	641 W	1467 W	1911 W
2740 m³/h	3740 m³/h	5020 m³/h	7665 m³/h	10960 m³/h
45,2 %	44,3 %	50,6 %	50,5 %	55,7 %
124461	116506	131886	131886	131886
16,5 kg	19,5 kg	26,0 kg	34,0 kg	53,5 kg
V	V	V	V	V

TES 035 103954	TES 035 103954			
TEM 035 103502	TEM 035 103502			
		TDM 025 107628	TDM 040 111556	TDM 060 111557
		TDS 025 113663	TDS 040 113666	TDS 060 113667
DSF 355-10 126160	DSF 355-10 126160	DSF 450-10 126193	DSF 450-10 126193	DSF 560-10 126237
DSS 355-10 126403	DSS 355-10 126403	DSS 450-10 126461	DSS 450-10 126461	DSS 560-10 126471
DSF 355-12 133793 further see page: 122	DSF 355-12 133793 further see page: 122	DSF 450-12 133850 further see page: 122	DSF 450-12 133850 further see page: 122	DSF 560-12 133892 further see page: 122
DSS 355-12 134395 further see page: 123	DSS 355-12 134395 further see page: 123	DSS 450-12 134444 further see page: 123	DSS 450-12 134444 further see page: 123	DSS 560-12 134486 further see page: 123
DAF 400 109826	DAF 400 109826	DAF 400 109826	DAF 400 109826	DAF 560 122288
DAS 400 109827	DAS 400 109827	DAS 400 109827	DAS 400 109827	DAS 560 122287
DVK 400 109213	DVK 400 109213	DVK 400 109213	DVK 400 109213	DVK 560 122289
DAP 355 133963	DAP 355 133963	DAP 450 133976	DAP 450 133976	DAP 560 133979



A	Type
DVA 190 EC 30	131285
230V ~ 50 Hz	0,8 A
75/76 db(A)	99 W
610 m³/h	39 %
131908	4,5 kg
	0-10V

C	Type
DVA 220 EC 30	131288
230V ~ 50 Hz	0,9 A
69/70 db(A)	113 W
940 m³/h	44,8 %
131908	4,9 kg
	0-10V

E	Type
DVA 250 EC 30	131291
230V ~ 50 Hz	1,5 A
74/79 db(A)	179 W
1200 m³/h	43,6 %
131908	6,5 kg
	0-10V

G	Type
DVA 280 EC 30	131297
230V ~ 50 Hz	1,9 A
78/78 db(A)	268 W
1970 m³/h	52,2 %
131908	8,0 kg
	0-10V

I	Type
DVA 355 EC 30	131322
230V ~ 50 Hz	1,4 A
67/68 db(A)	165 W
2750 m³/h	56 %
131908	14,7 kg
	0-10V

B	Type	EUR
DVA 190 ECP 31	139098	
230V ~ 50 Hz	0,8 A	
75/76 db(A)	99 W	
610 m³/h	39 %	
131918	kg	
	0-10V	

D	Type	EUR
DVA 220 ECP 31	139158	
230V ~ 50 Hz	0,9 A	
69/70 db(A)	113 W	
940 m³/h	44,8 %	
131918	5,1 kg	
	0-10V	

F	Type	EUR
DVA 250 ECP 31	139164	
230V ~ 50 Hz	1,5 A	
74/79 db(A)	179 W	
1200 m³/h	43,6 %	
131918	6,6 kg	
	0-10V	

H	Type	EUR
DVA 280 ECP 31	139179	
230V ~ 50 Hz	1,9 A	
78/78 db(A)	268 W	
1970 m³/h	52,5 %	
131918	8,3 kg	
	0-10V	

J	Type	EUR
DVA 355 ECP 31	139203	
230V ~ 50 Hz	1,4 A	
67/68 db(A)	165 W	
2750 m³/h	56 %	
131918	15,4 kg	
	0-10V	



Potentiometer

MTP 20
128146

MTP 20
128146

MTP 20
128146

MTP 20
128146

MTP 20
128146



Constant pressure control

CON P1000
115259

CON P1000
115259

CON P1000
115259

CON P1000
115259

CON P1000
115259



Climaset

CLIMASET 01
111314

CLIMASET 01
111314

CLIMASET 01
111314

CLIMASET 01
111314

CLIMASET 01
111314



Sensor

SEN CO2
126586

SEN CO2
126586

SEN CO2
126586

SEN CO2
126586

SEN CO2
126586



Isolator switch

GS 03
107633

GS 03
107633

GS 03
107633

GS 03
107633

GS 03
107633



Flat roof socket

DSF 220-10
126170

DSF 220-10
126170

DSF 220-10
126170

DSF 280-10
126164

DSF 355-10
126160



Socket silencer

DSS 220-10
126356

DSS 220-10
126356

DSS 220-10
126356

DSS 280-10
126383

DSS 355-10
126403



Sloped roof socket

DSF 220-12
133709
further see page: 122

DSF 220-12
133709
further see page: 122

DSF 220-12
133709
further see page: 122

DSF 280-12
133736
further see page: 122

DSF 355-12
133793
further see page: 122



Sloped roof socket sound insulated

DSS 220-12
134283
further see page: 123

DSS 220-12
134283
further see page: 123

DSS 220-12
134283
further see page: 123

DSS 280-12
134357
further see page: 123

DSS 355-12
134395
further see page: 123



Inlet flange

DAF 180
110744

DAF 180
110744

DAF 180
110744

DAF 250
110585

DAF 400
109826



Roof inlet collar

DAS 180
110745

DAS 180
110745

DAS 180
110745

DAS 250
109413

DAS 400
109827



Shutter automatic

DVK 180
104800

DVK 180
104800

DVK 180
104800

DVK 250
109233

DVK 400
109213



Roof adapter plate

DAP 220
133946

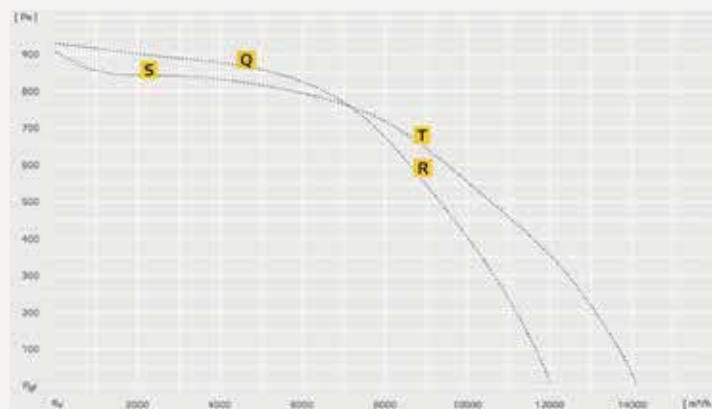
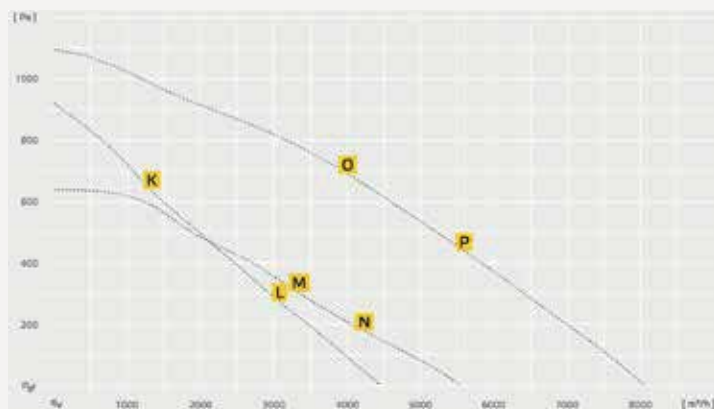
DAP 220
133946

DAP 220
133946

DAP 280
133954

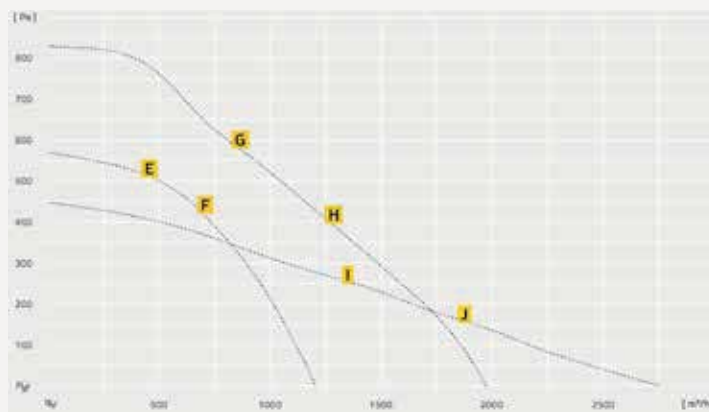
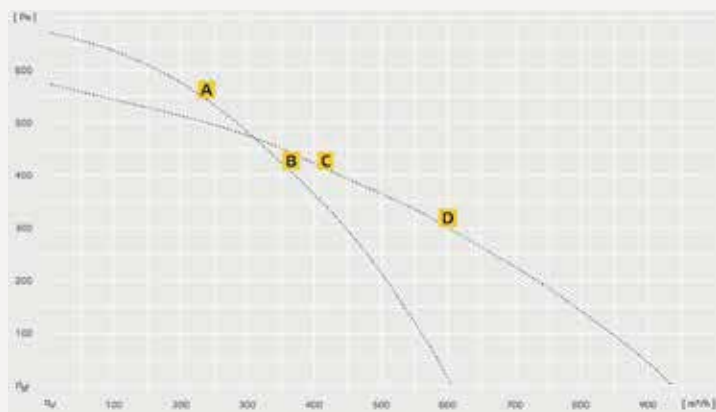
DAP 355
133963

- Energy efficient roof fan, vertical outlet
- Backward curved centrifugal impeller
- Housing made of seawater-resistant aluminum AlMg3
- Swing-out fan unit (DVA...ECP)
- With isolator switch (DVA...ECP)
- Highly efficient EC motors
- Stepless control via 0-10V signal



K Type DVA 400 EC 30 131328 230V ~ 50 Hz 2,3 A 69/73 db(A) 503 W 4460 m³/h 53 % 131908 18,8 kg 0-10V	M Type DVA 450 EC 30 131332 230V ~ 50 Hz 2,3 A 72/73 db(A) 509 W 5550 m³/h 55,3 % 131908 21,3 kg 0-10V	O Type DVA 500 EC 30 131335 400V 3~ 50 Hz 2,1 A 74/79 db(A) 1331 W 8050 m³/h 55,8 % 131909 28,0 kg 0-10V	Q Type DVA 560 EC 30 131340 400V 3~ 50 Hz 3,5 A 84/85 db(A) 2263 W 12030 m³/h 64,3 % 131909 43,0 kg 0-10V	S Type DVA 630 EC 30 131349 400V 3~ 50 Hz 4,0 A 83/84 db(A) 2627 W 14115 m³/h 60 % 131909 54,0 kg 0,10V
L Type DVA 400 ECP 31 139212 230V ~ 50 Hz 2,3 A 69/73 db(A) 503 W 4460 m³/h 53 % 131918 19,4 kg 0-10V	N Type DVA 450 ECP 31 139223 230V ~ 50 Hz 2,3 A 72/73 db(A) 509 W 5550 m³/h 55,3 % 131918 22,0 kg 0-10V	P Type DVA 500 ECP 31 139228 400V 3~ 50 Hz 2,1 A 74/79 db(A) 1331 W 8050 m³/h 55,8 % 131919 29,5 kg 0-10V	R Type DVA 560 ECP 31 139239 400V 3~ 50 Hz 3,5 A 84/85 db(A) 2263 W 12030 m³/h 64,1 % 131919 44,0 kg 0-10V	T Type DVA 630 ECP 31 139241 400V 3~ 50 Hz 4,0 A 83/84 db(A) 2627 W 14115 m³/h 60 % 131919 55,0 kg 0-10V

MTP 20 128146	MTP 20 128146	MTP 20 128146	MTP 20 128146	MTP 20 128146
CON P1000 115259	CON P1000 115259	CON P1000 115259	CON P1000 115259	CON P1000 115259
CLIMASET 01 111314	CLIMASET 01 111314	CLIMASET 01 111314	CLIMASET 01 111314	CLIMASET 01 111314
SEN CO2 126586	SEN CO2 126586	SEN CO2 126586	SEN CO2 126586	SEN CO2 126586
GS 03 107633	GS 03 107633	GS 03 107633	GS 03 107633	GS 03 107633
DSF 355-10 126160	DSF 450-10 126193	DSF 450-10 126193	DSF 560-10 126237	DSF 560-10 126237
DSS 355-10 126403	DSS 450-10 126461	DSS 450-10 126461	DSS 560-10 126471	DSS 560-10 126471
DSF 355-12 133793 further see page: 122	DSF 450-12 133850 further see page: 122	DSF 450-12 133850 further see page: 122	DSF 560-12 133892 further see page: 122	DSF 560-12 133892 further see page: 122
DSS 355-12 134395 further see page: 123	DSS 450-12 134444 further see page: 123	DSS 450-12 134444 further see page: 123	DSS 560-12 134486 further see page: 123	DSS 560-12 134486 further see page: 123
DAF 400 109826	DAF 400 109826	DAF 400 109826	DAF 560 122288	DAF 560 122288
DAS 400 109827	DAS 400 109827	DAS 400 109827	DAS 560 122287	DAS 560 122287
DVK 400 109213	DVK 400 109213	DVK 400 109213	DVK 560 122289	DVK 560 122289
DAP 355 133963	DAP 450 133976	DAP 450 133976	DAP 560 133979	DAP 560 133979



A Type		C Type		E Type		G Type		I Type	
DVA 190 ECC 30		DVA 220 ECC 30		DVA 250 ECC 30		DVA 280 ECC 30		DVA 355 ECC 30	
134702		134705		134707		134709		132973	
230V ~ 50 Hz	0,8 A	230V ~ 50 Hz	0,9 A	230V ~ 50 Hz	1,5 A	230V ~ 50 Hz	1,9 A	230V ~ 50 Hz	1,4 A
75/76 db(A)	99 W	69/70 db(A)	113 W	74/79 db(A)	179 W	78/78 db(A)	268 W	67/68 db(A)	165 W
610 m³/h	39 %	940 m³/h	44,8 %	1200 m³/h	43,6 %	1970 m³/h	52,5 %	2750 m³/h	56 %
133374	4,6 kg	133374	5,0 kg	133374	6,6 kg	133374	8,1 kg	133374	14,9 kg
	0-10V		0-10V		0-10V		0-10V		0-10V

B Type		D Type		F Type		H Type		J Type	
DVA 190 EC CP 30		DVA 220 EC CP 30		DVA 250 EC CP 30		DVA 280 EC CP 30		DVA 355 EC CP 30	
134703		134706		134708		134710		132970	
230V ~ 50 Hz	0,8 A	230V ~ 50 Hz	0,9 A	230V ~ 50 Hz	1,5 A	230V ~ 50 Hz	1,9 A	230V ~ 50 Hz	1,4 A
75/76 db(A)	99 W	69/70 db(A)	113 W	74/79 db(A)	179 W	78/78 db(A)	268 W	67/68 db(A)	165 W
610 m³/h	39 %	940 m³/h	44,8 %	1200 m³/h	43,6 %	1970 m³/h	52,5 %	2750 m³/h	56 %
133375	4,8 kg	133375	5,3 kg	133375	6,6 kg	133375	8,3 kg	133375	15,5 kg
	0-10V		0-10V		0-10V		0-10V		0-10V



Potentiometer

MTP 20	128146	MTP 20	128146	MTP 20	128146	MTP 20	128146	MTP 20	128146
	Only for: 134702		Only for: 134705		Only for: 134707		Only for: 134709		Only for: 132973
GS 03	107633	GS 03	107633	GS 03	107633	GS 03	107633	GS 03	107633

DSF 220-10	126170	DSF 220-10	126170	DSF 220-10	126170	DSF 280-10	126164	DSF 355-10	126160
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DSS 220-10	126356	DSS 220-10	126356	DSS 220-10	126356	DSS 280-10	126383	DSS 355-10	126403
	further see page: 122		further see page: 122		further see page: 122		further see page: 122		further see page: 122
DSF 220-12	133709	DSF 220-12	133709	DSF 220-12	133709	DSF 280-12	133736	DSF 355-12	133793
	further see page: 123		further see page: 123		further see page: 123		further see page: 123		further see page: 123
DSS 220-12	134283	DSS 220-12	134283	DSS 220-12	134283	DSS 280-12	134357	DSS 355-12	134395

DAF 180	110744	DAF 180	110744	DAF 180	110744	DAF 250	110585	DAF 400	109826
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DAS 180	110745	DAS 180	110745	DAS 180	110745	DAS 250	109413	DAS 400	109827
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DVK 180	104800	DVK 180	104800	DVK 180	104800	DVK 250	109233	DVK 400	109213
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DAP 220	133946	DAP 220	133946	DAP 220	133946	DAP 280	133954	DAP 355	133963
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Isolator switch



Flat roof socket



Socket silencer



Sloped roof socket



Sloped roof socket sound insulated



Inlet flange



Roof inlet collar

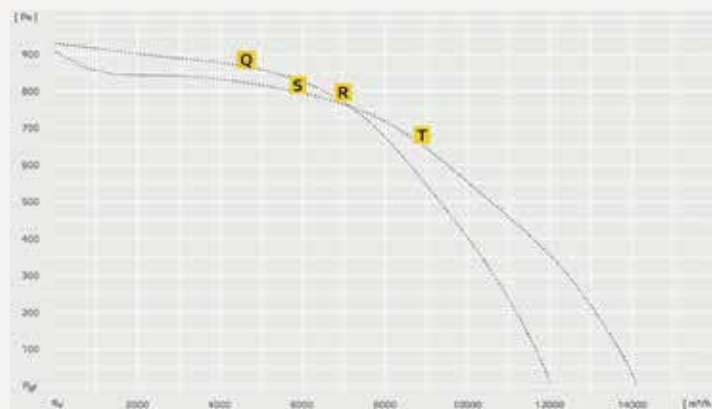


Shutter automatic



Roof adapter plate

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