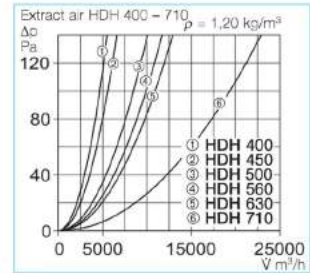
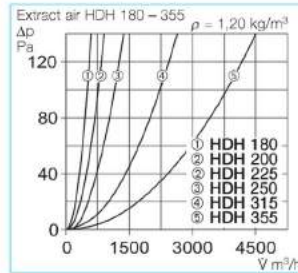
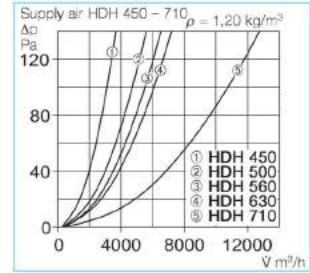
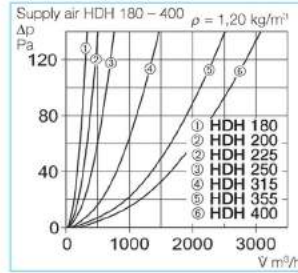
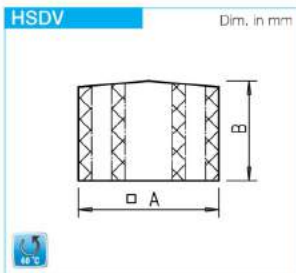


Roof cowl HDH
For covering the convection and supply air vents on the roof. Same design as horizontal discharge roof fans RD. When using in mechanical ventilation systems the emerging flow losses must be considered (see diagram). Accessories same as for roof fans.



Type	Ref. no.	Nominal size	A	B	C	Ø E	Ø F	H	K	L	Weight net
		mm	mm	mm	mm	mm	mm	mm	mm	mm	approx. kg
HDH 180	7492	180	320	245	309	213	10	155	6 x M6	30	3.5
HDH 200	7493	200	425	330	405	259	10	198	6 x M6	30	5.0
HDH 225	7495	225	425	330	405	259	10	198	6 x M6	30	5.0
HDH 250	7496	250	580	450	450	286	10	255	6 x M6	30	8.0
HDH 315	7497	315	580	450	606	356	12	386	8 x M8	30	12.5
HDH 355	7498	355	645	535	740	395	12	452	8 x M8	30	17.5
HDH 400	7499	400	645	535	765	438	12	478	6 x M8	30	17.5
HDH 450	7491	450	730	590	860	487	12	473	6 x M8	30	26.0
HDH 500	7513	500	925	750	966	541	12	531	6 x M8	40	30.0
HDH 560	7517	560	925	750	1075	605	14	591	8 x M10	40	44.0
HDH 630	7518	630	925	750	1155	674	14	633	8 x M10	40	47.0
HDH 710	7519	710	1260	1050	1370	751	14	860	8 x M10	65	52.0



Roof fan attenuator HSDV for discharge-side sound insulation
Average attenuation value 8 dB. Available for series VD, nominal size 315 – 630. The construction encloses the roof fan and can be subsequently mounted without any structural alterations. Can only be mounted on VD series.



Isolator switch RS
RS 3+1+2 Ref. no. 75386
– 3 main contacts
– 1 auxiliary contact
– 2 contacts for TB/TP

For fans with direct start-up. Polymer casing for surface mounted installation. Locking options in "0 OFF" position.

Type	Ref. no.	A in mm	B in mm
HSDV 315	7476	606	310
HSDV 355	7480	740	350
HSDV 400	7481	765	400
HSDV 450	7482	860	450
HSDV 500	7483	966	500
HSDV 560	7484	1075	550
HSDV 630	7489	1155	620

Technical data
Voltage 400 V, 3-, 50/60 Hz
Operating current 20 A
Load capacity AC-23 B, 7.5 kW
Protection class IP 65
Protection category II
Actuation Rotary drive
Temperature range -25 to +60 °C
Weight approx. 0.3 kg
Dim. mm W 90.5 x H 90.5 x D 102
Casing UV and weather-resistant
Wiring diagram no. 1131

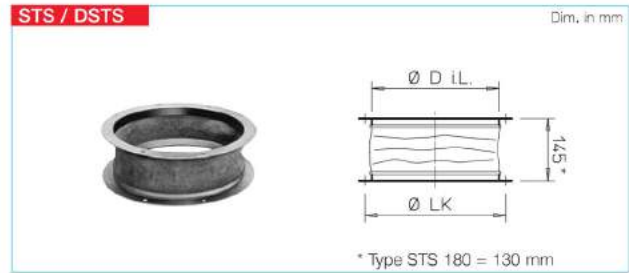




Flange rings FR
Made of galvanised sheet steel, for intake duct connections. Can be screwed directly to the fan base plate.

Dimensions according to DIN 24 155, Pt. 2.

Type	Ref. no.	Ø LK	l	Ø d	Weight approx. kg
FR 180	1200	213	25	186	0.4
DFR 200	1201	259	30	233	0.5
FR 225	1201	259	30	233	0.5
FR 250	1203	286	25	256	0.6
FR 315	1204	356	30	326	0.9
FR 355	1205	395	30	365	1.1
FR 400	1206	438	30	408	1.2
FR 450	1207	487	35	457	1.8
FR 500	1208	541	35	511	1.8
FR 560	1209	605	35	574	2.0
FR 630	1211	674	35	642	2.2
FR 710	1212	751	35	715	3.3



Flanged canvas connector STS
To reduce structure borne sound transmission to intake air ducting. Flanges made of galvanised sheet steel. Flexible sleeve made of polymer fabric. For ex-proof fans, type

STS Ex must be used. To be mounted directly to the fan base plate. Flange dimensions according to DIN 24 155, Pt. 2. Ambient temperature -30 °C to +80 °C.

Type	Ref. no.	Type*	Ref. no.	Ø D i.L.	Ø LK	Weight approx. kg
STS 180	1217	—	—	183	213	0.9
DSTS 200	1218	DSTS 200 Ex	2500	229	259	1.1
STS 225	1218	STS 225 Ex	2500	229	259	1.1
STS 250	1220	STS 250 Ex	2501	252	286	1.3
STS 315	1221	STS 315 Ex	2503	322	356	1.8
STS 355	1222	STS 355 Ex	2504	358	395	2.1
STS 400	1223	STS 400 Ex	2505	404	438	2.5
STS 450	1224	STS 450 Ex	2506	453	487	3.8
STS 500	1225	STS 500 Ex	2507	507	541	3.4
STS 560	1226	STS 560 Ex	2508	570	605	4.5
STS 630	1228	STS 630 Ex	2509	638	674	4.6
STS 710	1229	—	—	711	751	7.0

* for explosion-proof fans. STSB for VD T120 version see separate catalogue.



Automatic backdraught shutter with spring reverse RVS¹⁾
To prevent cold air backdraught when the fan is not in use. For vertical air flow from bottom-up (otherwise type RVM to be used). Auto automatic opening function when the fan is in use. Spring mechanism outside the air flow. Holding force adjustable to fan power and

installation position. Flaps and casing made of galvanised sheet steel, flaps with nominal size 225 – 560 mm made of aluminium. Can be screwed directly to the fan base plate. Flanges on both sides. Holes pursuant to DIN 24155, Pt. 2.

Ambient temperature -30 to +120 °C

Type	Ref. no.	Ø D i.L.	L	A	Ø LK	Weight approx. kg
DVS 180	1247	180	110	15	213	1.2
DRVS 200	2591	225	300	—	259	3.0
RVS 225	2591	225	300	—	259	3.0
RVS 250	2592	250	300	—	286	3.4
RVS 315	2594	315	300	—	356	4.3
RVS 355	2595	355	300	—	395	5.8
RVS 400	2596	400	330	—	438	7.2
RVS 450	2597	454	330	15	487	10.4
RVS 500	2598	504	330	40	541	11.7
RVS 560	2599	560	330	65	605	16.1
RVS 630	2600	630	400	115	674	19.5
RVS 710	2601	710	400	155	751	26.5

¹⁾ Pressure loss diagram see page 490.



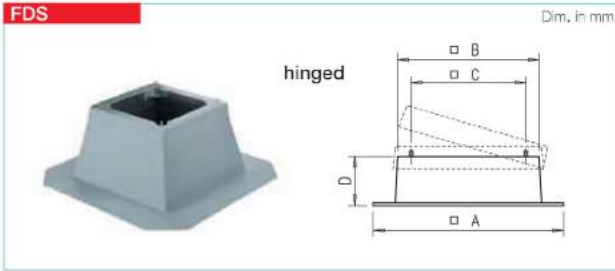
Motorised backdraught shutter RVM^{1) 2)} as RVS, but with spring reversing motor, mounted outside the air flow and for vertical air flow in any direction. Allows natural ventilation when the fan is not in use. Control of air flow in combination with a roof cowl. To be electrically operated together with the fan;

cable length 0.9 m, closed when currentless.
Ambient temperature -30 to +60 °C
Protection class IP 54
Voltage/Frequency 230 V AC, 50/60 Hz
Power consumption – up to Ø 560 / from Ø 630 14 W/6.5 W
Valve opening time, approx. 75 sec.
Wiring diagram no. 350.1

Type	Ref. no.	Ø D i.L.	B	C	L	A	Ø LK	Weight aprx. kg
DRVM 200	2575	225	95	130	300	—	259	3.3
RVM 225	2575	225	95	130	300	—	259	3.3
RVM 250	2576	250	95	130	300	—	286	3.7
RVM 315	2578	315	95	130	300	—	356	4.6
RVM 355	2579	355	95	130	300	—	395	6.1
RVM 400	2580	400	95	130	330	—	438	7.5
RVM 450	2581	454	95	130	330	15	487	10.7
RVM 500	2582	504	95	130	330	40	541	12.0
RVM 560	2583	560	95	130	330	65	605	16.4
RVM 630	2609	630	150	225	400	115	674	21.0
RVM 710	2610	710	150	225	400	155	751	28.0

²⁾ Types DRVM/RVM not suitable for use in ex-areas.





Flat roof base FDS¹⁾

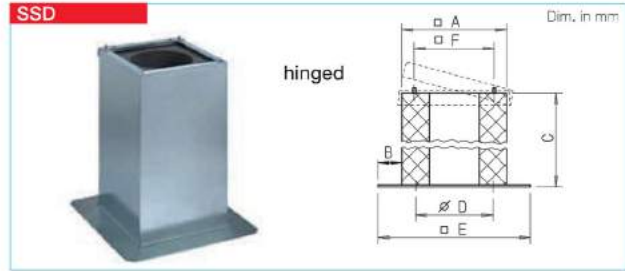
For installation of roof fans and roof cowls on flat roofs. Horizontal installation. Application keeps cost and assembly effort to a minimum in comparison to manual design. Corrosion-resistant reinforced fibre glass design (nom. size 710 made of galvanised sheet steel) with abrasion-proof, sound and thermal insulation. Snow-secure base height.

Installation

To be installed above the ceiling opening (roof). Roof coating to be covered completely with felt and to be sealed bitumen-fibre kit. Includes mounting screws, profile rubber and sealing between base and base plate.

Type	Ref. no.	A in mm	B in mm	C in mm	D in mm
FDS 180*	1377	645	285	245	285
FDS 200*	1378	750	392	330	285
FDS 225*	1378	750	392	330	285
FDS 250*	1379	870	520	450	285
FDS 315*	1379	870	520	450	285
FDS 355*	1380	950	605	535	285
FDS 400*	1380	950	605	535	285
FDS 450*	1381	1000	660	590	285
FDS 500	1382	1160	820	750	285
FDS 560	1382	1160	820	750	285
FDS 630	1382	1160	820	750	285
FDS 710	6658	1550	1190	1050	285

* With hinge mechanism for simple inspection and cleaning. ¹⁾ FDS B for VD T120 see separate catalogue.



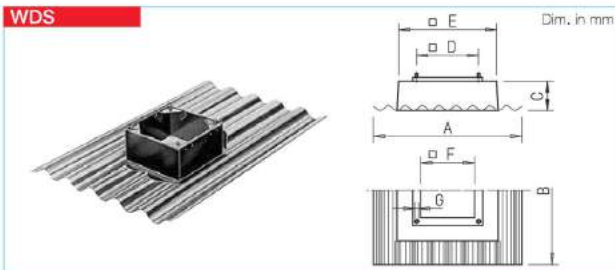
Hinged base attenuator SSD for intake-side sound insulation

Average attenuation is 15 dB. All metal parts made of galvanised sheet steel. For installation on flat roofs in the same way as a flat roof base. Delivery includes mounting screws, profile rubber and sealing between base and base plate. For nom. size 500–710: Acoustically lined with non-flammable insulation boards, class A2,

covered with glass fibre on both sides. Nom. size 180–450: Equipped with hinges to fold the fan for maintenance purposes. Foamed material with free cross-section allows access to ducting or shaft system. Base plate is equipped with threaded holes (according to DIN 24155, Pt. 2) for connection of supply air accessories.

Type	Ref. no.	A	B	C	D	E	F
SSD 180*	5289	280	160	750	213	600	245
SSD 200*	5290	400	133	735	259	666	330
SSD 225*	5290	400	133	735	259	666	330
SSD 250*	5292	520	150	835	286	820	450
SSD 315*	5292	520	150	835	356	820	450
SSD 355*	5024	600	150	985	395	900	535
SSD 400*	5291	600	150	985	438	900	535
SSD 450*	5288	675	158	985	487	990	590
SSD 500	5017	860	170	1200	—	1200	750
SSD 560	5017	860	170	1200	—	1200	750
SSD 630	5017	860	170	1200	—	1200	750
SSD 710	5287	1220	140	1500	—	1500	1050

* With hinge mechanism for simple inspection and cleaning.



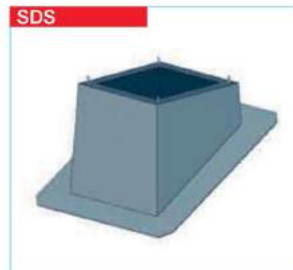
Corrugated roof base WDS

For installation of roof fans and roof cowls on corrugated roofs. Weather-resistant and corrosion-free design made from glass-fibre reinforced polyester, lightweight. No risk of breakage during shipment and on site. Low thermal transmittance value. Profile distance 177 mm (profile no. 5). Keeps planning costs and installation efforts to a minimum.

Rain drains on the front and rear chamfer between the square base and corrugated plate ensure the installation of corrugated roof panels regardless of the ceiling direction.

Includes screws, washers and profile rubber for the mounting and sealing of the fan base plate.

Type	Ref. no.	A	B	C	D	E	F	G
WDS 180	1559	920	1600	200	245	295	∅ 256	M 6
WDS 200/225	1560	920	1600	200	330	395	290	M 10
WDS 250/315	1561	920	1600	200	450	555	395	M 10
WDS 355/400	1562	920	1600	200	535	625	475	M 10
WDS 450	1563	1400	2000	200	590	705	525	M 12
WDS 500/560	1564	1400	2000	200	750	895	650	M 12
WDS 630	1565	1400	2000	200	750	895	650	M 12



Sloping roof base SDS

For installation of roof fans and roof cowls on sloping roofs with slopes of up to 45°. Made of galvanised sheet steel, with sound and thermal insulated 50 mm thick cladding on the inside.

All SDS models are available on request. When ordering please specify the fan type or the nominal size of roof cowl, the roof pitch angle, the type of brick or the profile shape and height (for profile roofs), if necessary.

Installation

Base to be installed on the roof construction. The enclosing collar made of lead to be sealed. Includes mounting screws, plates and sealing between the base and base plate.

Information	Page
All centrifugal roof fans delivered without guard on intake. If there is no duct connected directly to the unit, a guard (model ASD-SGD or SG) must be used.	231
Other accessories	Page
Speed controllers, controllers and switches	525 on

