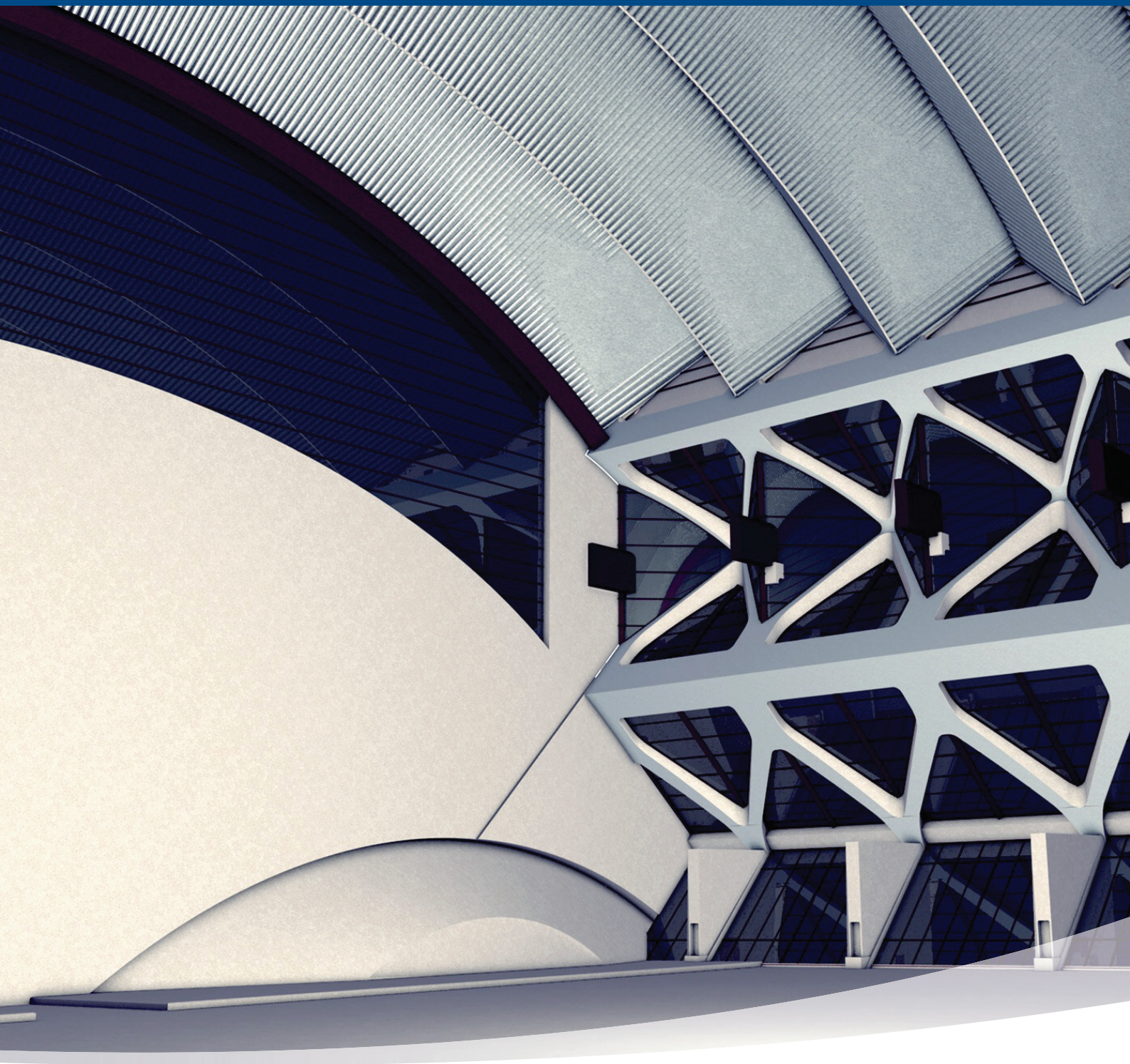


Smoke extract roof fans

Roof Fan DVG

Smoke extraction and daily ventilation in one.





DVG/F

Smoke and heat extract roof fan



DVG-H

Horizontal exhaust



DVG-V

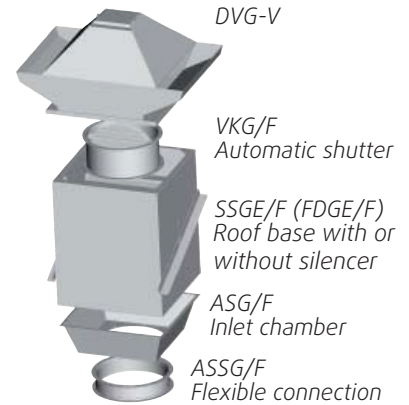
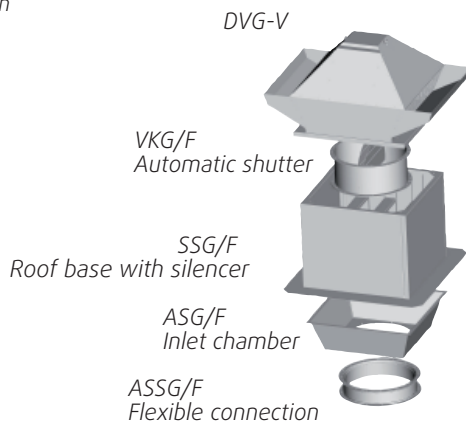
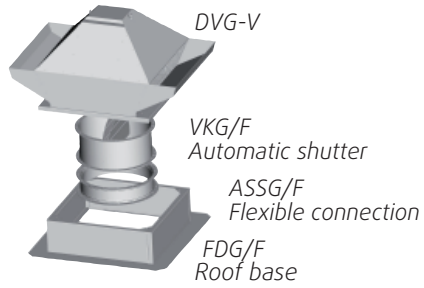
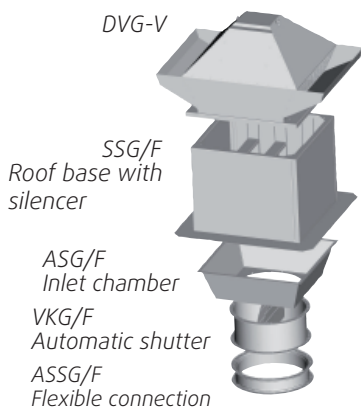
Vertical exhaust

- Smoke and heat extract unit + normal ventilation
- Up to 400°C/120 min (F400/120, F400/90, F300, F200)
- Normal ventilation up to 120°C continuous operation
- Vertical exhaust DVG-V or horizontal DVG-H
- Includes pre-wired service switch
- Suitable for coastal applications
- Wide range of accessories
- Tested acc. to EN 12101-3 at LGAI, Barcelona
- CE-certified acc. to EN 12101-3, 2015, at BSI, UK

The DVG/F smoke extract fans are used in case of fire to extract smoke gases from rooms, and also during normal working conditions for standard ventilation. Smoke-free escape ways increase the chances to rescue people in case of a fire. Extraction of hot gases reduces damage on building and equipment. The casing is manufactured from seawater resistant aluminium. The base frame consists of pre-galvanised steel. The fan has a backward-curved radial impeller made of steel sheet. Motor outside air stream is air cooled. The fan is equipped with IEC motors in IE2 efficiency (single speed with exception 8-pole) respectively IE1 efficiency (two speed motors), with protection class IP 55, insulation class F. Thermal motor protection PTC serially built-in. For two speed fans (up to 4 kW) two speed switch, S-DT2 GKT resp. DKT is available as accessory (in this case thermal contact must be ordered; not suitable for PTC). In case of fire two speed switch and motor protective devices

must be bridged to guarantee functional capability (connection direct to mains). For speed control use only combination of frequency converter and appropriate all pole sine filter (hot tested at LGAI with converter and sine filter). If frequency converter is used in case of fire, PTC must be bridged and switching on max. speed even after eventual short supply cut off assured. Operating over 50 Hz is not allowed. 60 Hz units on request. Frequency controlled units may need additional EMC protection (available on request).

DVG installation examples and accessories



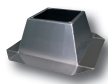
Accessories



SSGE/F
socket silencer



FDGE/F
roof socket



FDG/F
flat roof socket



SSG/F
socket silencer



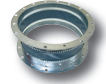
ASG/F
inflow box



ASFV
Flange

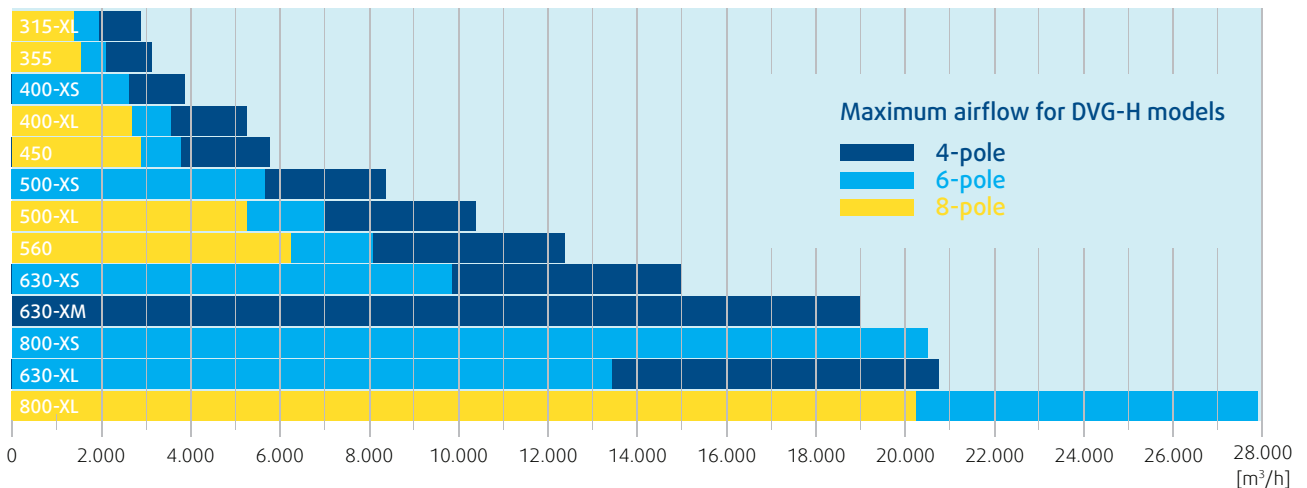


VKG/F
shutter

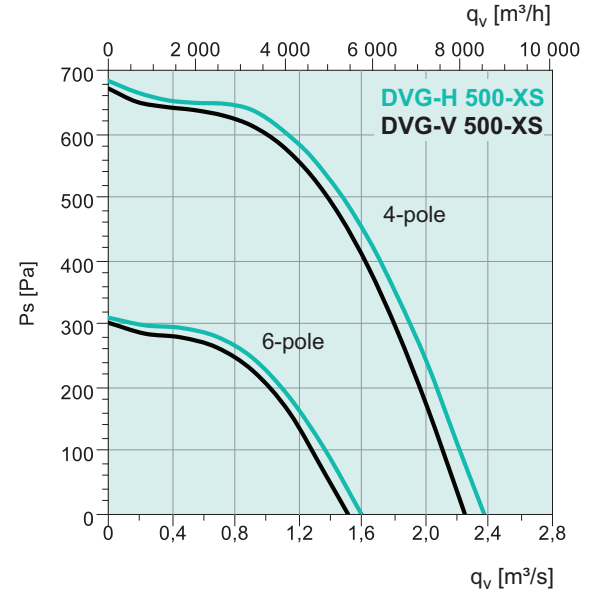
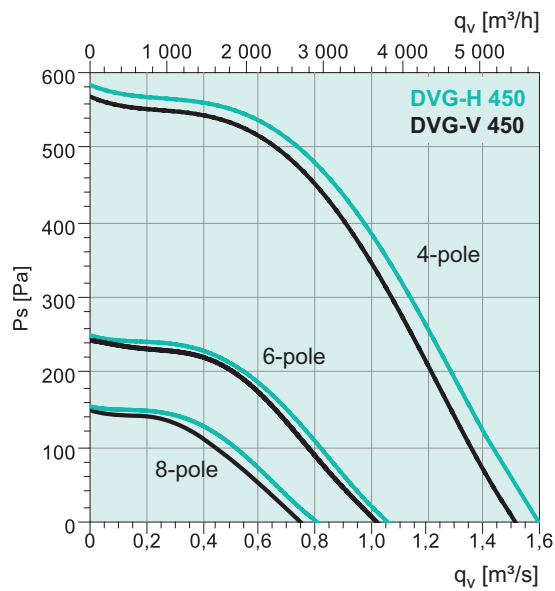
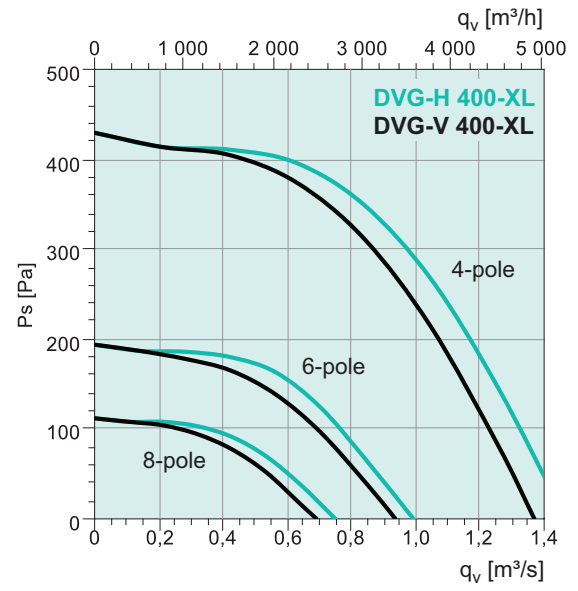
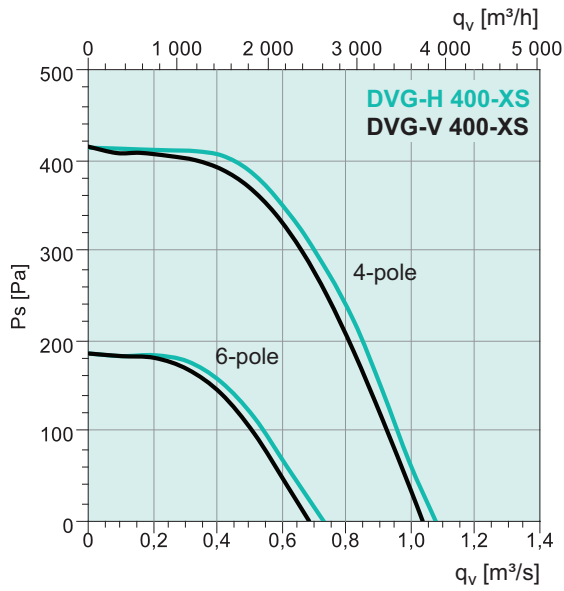
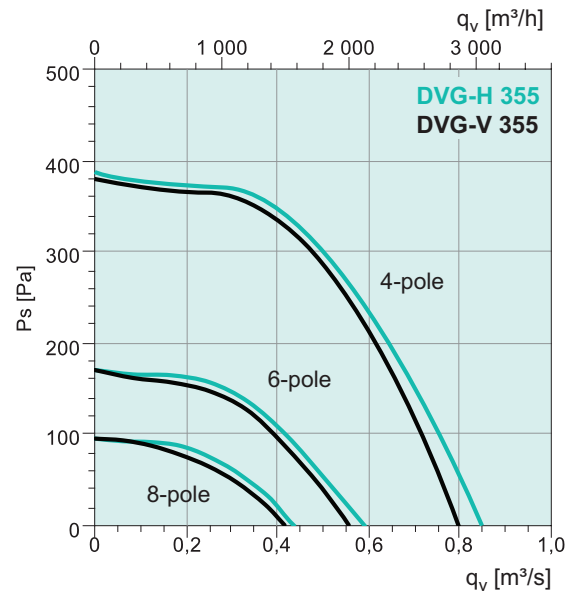
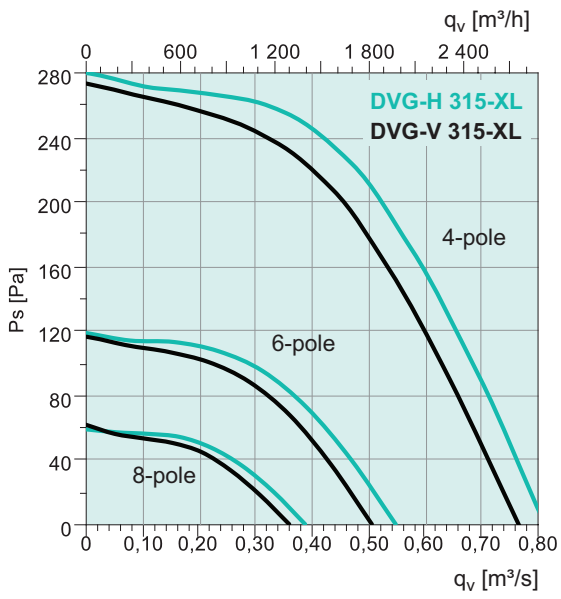


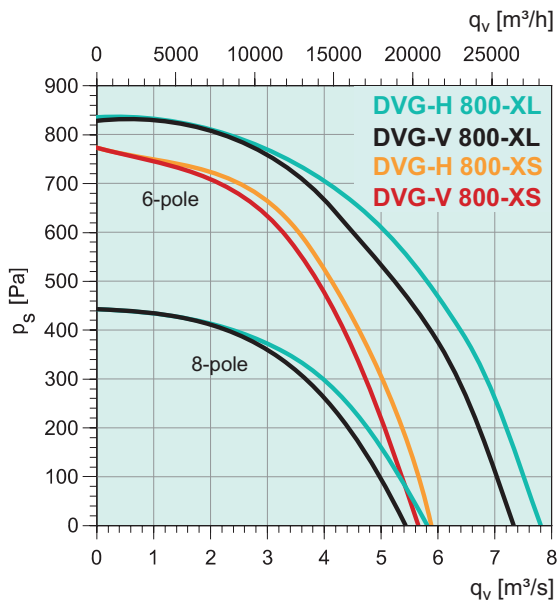
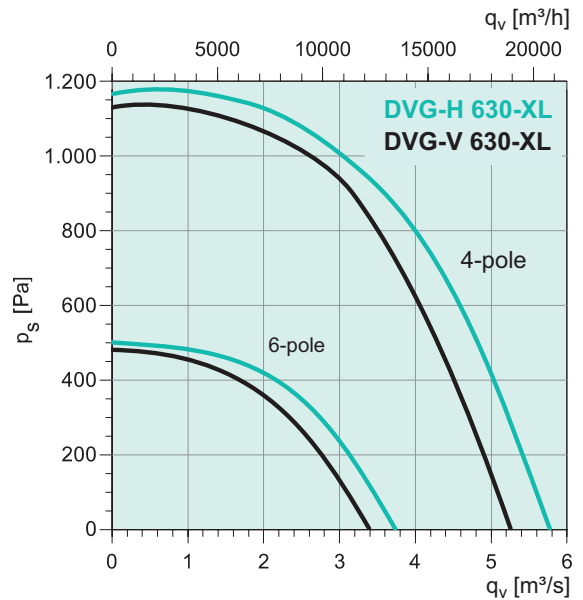
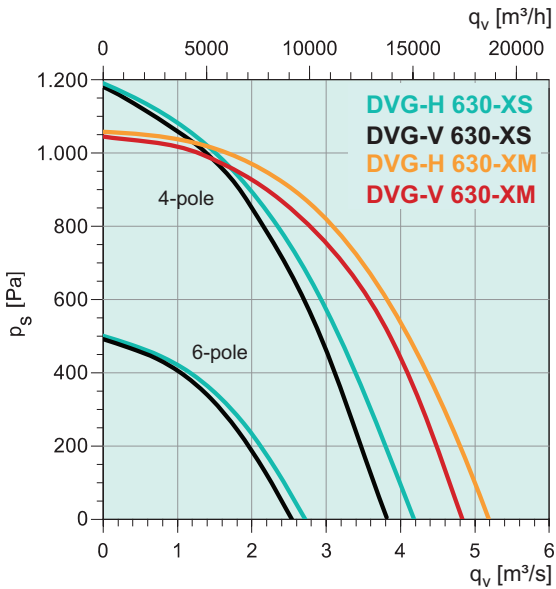
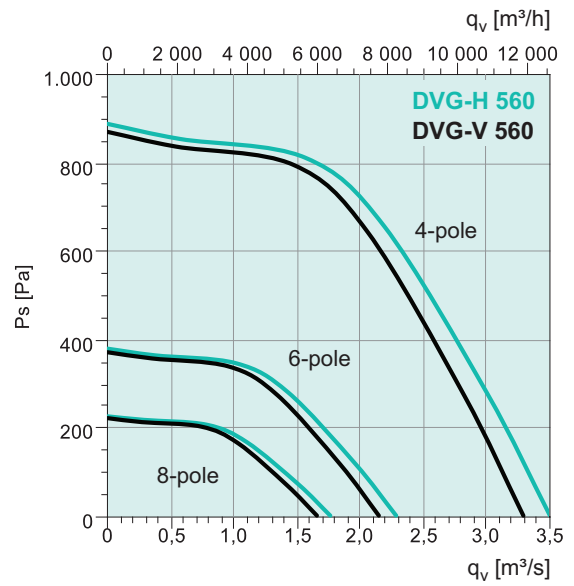
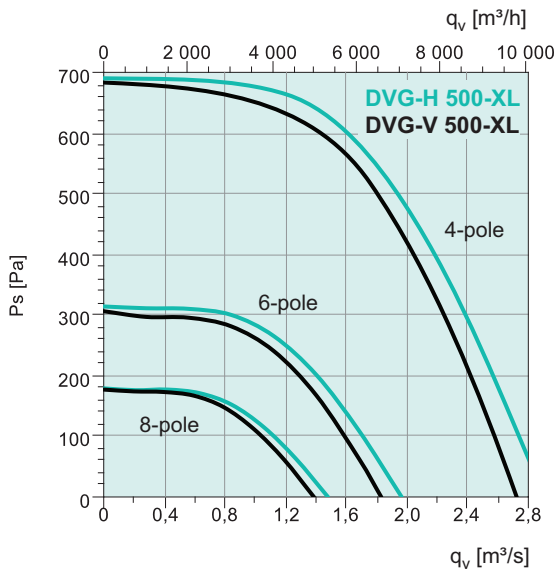
ASSG/F
flexible connection

Maximum airflows



Diagrams





Technical data

Item No.	Model DVG-H / F400	Max. airflow [m ³ /h]	Current [A]	Input power [kW]	RPM [min ⁻¹]	Sound pressure level at 4/10m [dB(A)]	Weight [kg]	Motor connection / wiring	Wiring diagram	Erp 2018
95619	315D4-XL	2930	0.67	0.26	1466	58/51	39	Y	3	✓
95620	315D6-XL	1950	1.00	0.17	971	46/40	39	Y	3	-
95621	315D4-6-XL	2930 / 1950	1.15 / 0.52	0.38 / 0.18	1469 / 969	58/51 / 46/40	40	Y/Y	2	-
95622	315D4-8-XL	2930 / 1380	1.15 / 0.50	0.32 / 0.10	1466 / 690	58/51 / 39/33	40	YY/Y	4	-
95003	355D4	3100	0.95	0.37	1405	57/50	41	Y	3	✓
95031	355D6	2100	0.95	0.21	962	45/40	41	Y	3	-
95032	355D4-6	3100 / 2100	1.25 / 0.56	0.50 / 0.21	1448 / 959	57/50 / 45/40	41	Y/Y	2	-
95004	355D4-8	3100 / 1550	1.25 / 0.50	0.50 / 0.11	1448 / 689	57/50 / 41/35	41	YY/Y	4	-
95623	400D4-XS	3850	0.80	0.48	1411	60/54	50	Y	3	✓
95624	400D6-XS	2610	0.90	0.22	965	51/45	50	Y	3	-
95625	400D4-6-XS	3850 / 2610	1.10 / 0.90	0.54 / 0.22	1448 / 965	60/54 / 51/45	51	Y/Y	2	-
95626	400D4-XL	5250	1.50	0.66	1418	60/54	50	Y	3	✓
95627	400D6-XL	3550	0.90	0.27	965	51/45	50	Y	3	✓
95628	400D4-6-XL	5250 / 3550	1.70 / 0.90	0.82 / 0.27	1432 / 965	60/54 / 51/45	52	Y/Y	2	✓ (6-pole)
95629	400D4-8-XL	5250 / 2680	1.65 / 0.50	0.82 / 0.15	1432 / 726	60/54 / 46/40	51	YY/Y	4	-
95153	450D4	5770	1.88	0.93	1415	67/60	52	Y	3	-
95037	450D6	3790	1.10	0.45	900	56/50	51	Y	3	-
95038	450D4-6	5770 / 3790	2.40 / 1.00	0.93 / 0.45	1420 / 950	67/60 / 56/50	55	Y/Y	2	-
95010	450D4-8	5770 / 2880	3.10 / 1.25	0.93 / 0.38	1400 / 690	67/60 / 49/43	55	YY/Y	4	-
95630	500D4-XS	8435	2.80	1.47	1422	68/61	83	Y	3	✓
95631	500D6-XS	5680	1.80	0.55	955	59/53	83	Y	3	✓
95632	500D4-6-XS	8435 / 5620	2.80 / 1.40	1.46 / 0.66	1422 / 945	68/61 / 59/53	86	Y/Y	2	-
95633	500D4-XL	10370	3.50	2.00	1404	71/64	89	Y	3	✓
95634	500D6-XL	7000	2.00	0.68	945	60/53	85	Y	3	✓
95635	500D4-6-XL	10370 / 7000	4.60 / 2.00	2.30 / 0.68	1444 / 945	71/64 / 60/53	93	Y/Y	2	✓ (6-pole)
95636	500D4-8-XL	10370 / 5270	3.70 / 1.40	2.00 / 0.50	1406 / 718	71/64 / 52/46	87	YY/Y	4	-
95158	560D4	12390	5.35	2.57	1435	75/69	99	Y	3	✓
95159	560D6	8080	2.00	1.05	880	60/53	91	Y	3	-
95017	560D4-6	12390 / 8080	5.30 / 2.50	2.57 / 1.05	1430 / 950	75/69 / 60/53	102	Y/Y	2	-
95018	560D4-8	12390 / 6240	5.90 / 2.40	2.75 / 0.86	1430 / 710	75/69 / 53/47	102	YY/Y	4	-
95637	630D4-XS	14900	6.30	3.50	1447	74/68	121	Y	3	✓
95638	630D6-XS	9850	2.50	1.10	949	64/58	111	Y	3	✓
95639	630D4-6-XS	14900 / 10000	6.90 / 3.30	3.80 / 1.40	1447 / 971	74/68 / 64/58	130	Y/Y	2	-
95768	630D4-XM	19000	8.70	5.10	1444	78/72	126	D	3	✓
95641	630D4-XL	20760	11.00	6.10	1452	78/72	146	D	1	✓
95642	630D6-XL	13430	3.80	1.75	946	70/64	117	Y	3	✓
95590	630D4-6-XL	20760 / 13800	11.50 / 4.50	6.40 / 2.20	1451 / 971	78/72 / 70/64	152	Y/Y	2	-
95398	800D6-XS	20500	7.70	3.70	967	75/66	195	Y	3	✓
95537	800D6-XL	27870	10.50	5.60	974	81/72	205	D	1	✓
95646	800D8-XL	20250	5.40	2.50	704	74/65	191	Y	3	✓

Data related to motor and weight may vary due to different suppliers.

400V 3~ 50Hz; continuous operation 120°C; 400°C/120min. Insulation class motor F; enclosure class motor IP55

Item No.	Model DVG-V / F400	Max. airflow [m ³ /h]	Current [A]	Input power [kW]	RPM [min ⁻¹]	Sound pressure level at 4/10 m [dB(A)]	Weight [kg]	Motor connection / wiring	Wiring diagram	Erp 2018
95647	315D4-XL	2720	0.67	0.26	1465	56/50	41	Y	3	✓
95648	315D6-XL	1800	1.00	0.15	971	46/40	41	Y	3	-
95649	315D4-6-XL	2720 / 1800	1.10 / 0.52	0.38 / 0.18	1469 / 969	56/50 / 46/40	42	Y / Y	2	-
95650	315D4-8-XL	2720 / 1280	1.15 / 0.50	0.32 / 0.10	1465 / 689	56/50 / 39/33	42	YY / Y	4	-
32308	355D4	2900	0.95	0.37	1405	55/49	43	Y	3	✓
95045	355D6	1960	0.95	0.21	962	45/40	43	Y	3	-
95046	355D4-6	2900 / 1960	1.25 / 0.56	0.50 / 0.21	1447 / 959	55/49 / 45/40	43	Y / Y	2	-
32309	355D4-8	2900 / 1480	1.25 / 0.50	0.50 / 0.11	1447 / 689	55/49 / 39/33	43	YY / Y	4	-
95651	400D4-XS	3710	0.80	0.48	1409	59/53	52	Y	3	✓
95652	400D6-XS	3710	0.90	0.22	964	50/44	52	Y	3	-
95653	400D4-6-XS	3710 / 2450	1.10 / 0.90	0.54 / 0.22	1448 / 964	59/53 / 50/44	53	Y / Y	2	-
95654	400D4-XL	4900	1.50	0.67	1416	59/53	52	Y	3	✓
95655	400D6-XL	3350	0.90	0.27	964	50/44	52	Y	3	-
95656	400D4-6-XL	4900 / 3350	1.70 / 0.90	0.84 / 0.27	1430 / 964	59/53 / 50/44	54	Y / Y	2	-
95657	400D4-8-XL	4900 / 2470	1.65 / 0.50	0.84 / 0.15	1430 / 725	59/53 / 45/39	53	YY / Y	4	-
95164	450D4	5480	1.88	0.93	1415	65/58	56	Y	3	-
95051	450D6	3600	1.10	0.45	900	55/49	54	Y	3	-
95052	450D4-6	5480 / 3600	2.40 / 1.00	0.93 / 0.45	1420 / 950	65/58 / 55/49	58	Y / Y	2	-
32315	450D4-8	5480 / 2740	3.10 / 1.25	0.93 / 0.38	1400 / 690	65/58 / 48/42	58	YY / Y	4	-
95658	500D4-XS	8000	2.80	1.50	1421	66/60	87	Y	3	✓
95659	500D6-XS	5380	1.80	0.55	955	57/51	87	Y	3	✓
95660	500D4-6-XS	8000 / 5320	2.80 / 1.40	1.50 / 0.66	1421 / 945	66/60 / 57/51	90	Y / Y	2	-
95661	500D4-XL	9700	3.50	2.00	1404	70/63	93	Y	3	✓
95662	500D6-XL	6520	2.00	0.68	945	60/54	89	Y	3	-
95663	500D4-6-XL	9700 / 6520	4.60 / 2.00	2.30 / 0.68	1444 / 945	70/63 / 60/54	97	Y / Y	2	-
95664	500D4-8-XL	9700 / 4940	3.70 / 1.40	2.00 / 0.50	1406 / 718	70/63 / 52/45	91	YY / Y	4	-
95169	560D4	11650	5.35	2.57	1435	72/67	104	Y	3	✓
95170	560D6	7600	2.00	1.05	880	58/52	96	Y	3	-
32322	560D4-6	11650 / 7600	5.35 / 2.50	2.57 / 1.05	1430 / 950	72/67 / 58/52	107	Y / Y	2	-
32323	560D4-8	11650 / 5870	5.90 / 2.40	2.75 / 0.86	1430 / 710	72/67 / 51/46	107	YY / Y	4	-
95665	630D4-XS	13900	6.40	3.60	1441	71/65	125	Y	3	✓
95666	630D6-XS	9200	2.50	1.20	934	62/56	115	Y	3	✓
95667	630D4-6-XS	13900 / 9300	7.00 / 3.30	3.80 / 1.40	1444 / 971	71/65 / 62/56	134	Y / Y	2	-
95644	630D4-XM	17700	9.00	5.30	1441	75/69	130	D	3	-
95669	630D4-XL	18900	11.00	6.1	1457	75/69	150	D	1	-
95670	630D6-XL	12200	3.80	1.80	946	66/60	121	Y	3	-
95591	630D4-6-XL	18900 / 12680	11.00 / 4.50	6.30 / 2.20	1454 / 972	75/69 / 66/60	156	Y / Y	2	-
95672	800D6-XS	19700	7.80	3.75	967	71/64	202	Y	3	✓
95538	800D6-XL	26070	10.50	5.50	973	74/66	202	D	1	-
95674	800D8-XL	18920	5.40	2.50	704	68/60	198	Y	3	-

Data related to motor and weight may vary due to different suppliers.

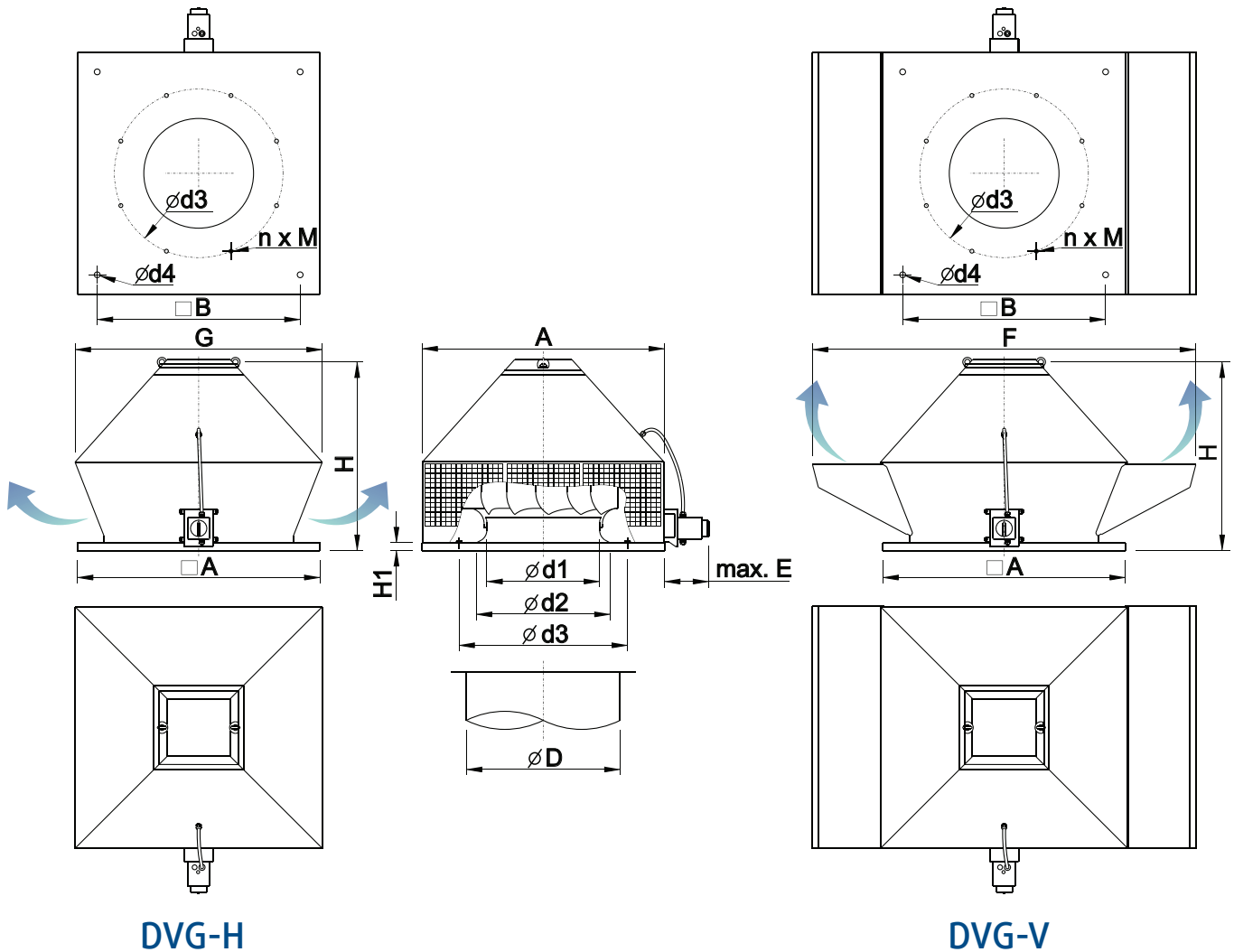
400V 3~ 50Hz; continuous operation 120°C; 400°C/120min. Insulation class motor F; enclosure class motor IP55

Dimensions

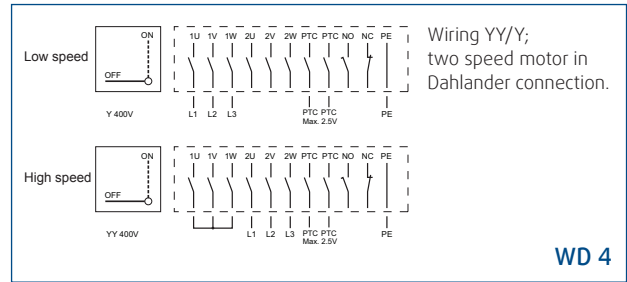
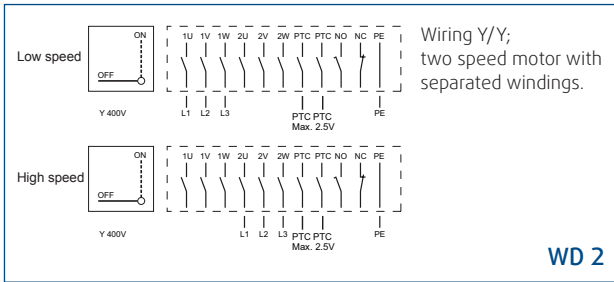
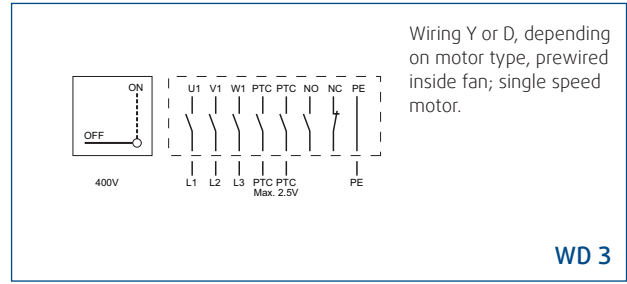
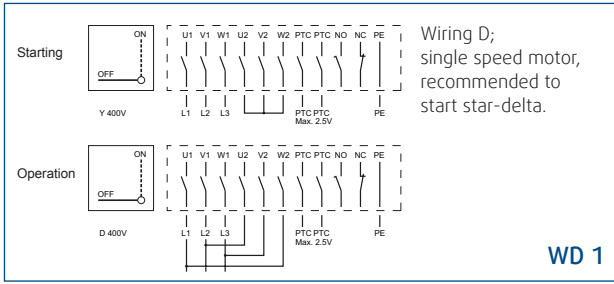
DVG-H	A	B	G	ø d1	ø d2	ø d3	n x M	ø d4	ø D	E	H1	H
315	598	450	704	224	310	438	6xM8	12	400	240	30	580
355	598	450	704	224	310	438	6xM8	12	400	240	30	580
400	668	535	854	286	379	438	6xM8	12	400	240	30	650
450	668	535	854	286	379	438	6xM8	12	400	240	30	650
500	943	750	1078	361	450	620*	12xM8	14	560	240	30	773
560	943	750	1078	361	450	620*	12xM8	14	560	240	30	773
630	1039	840	1072	451	570	690*	12xM8	14	630	240	40	858
800	1255	1050	1280	581	690	860*	16xM8	14	800	240	40	999

DVG-V	A	B	F	ø d1	ø d2	ø d3	n x M	ø d4	ø D	E	H1	H
315	598	450	1003	224	310	438	6xM8	12	400	240	30	580
355	598	450	1003	224	310	438	6xM8	12	400	240	30	580
400	668	535	1261	286	379	438	6xM8	12	400	240	30	650
450	668	535	1261	286	379	438	6xM8	12	400	240	30	650
500	943	750	1540	361	450	620*	12xM8	14	560	240	30	773
560	943	750	1540	361	450	620*	12xM8	14	560	240	30	773
630	1039	840	1573	451	570	690*	12xM8	14	630	240	40	858
800	1255	1050	2024	581	690	860*	16xM8	14	800	240	40	999

* Pitch diameter Eurovent.



Wiring diagrams*



* Lock in position ON to prevent unintended switch OFF.

Electrical accessories

For use of accessories and further items see on-line catalogue.



S-DT2GKT / DKT
Two speed switch



FRQS/FRQ5S
frequency inverter with
integrated allpole sine filter



FXDM
frequency inverter with
integrated allpole sine filter

