# DVG-H, DVG-V

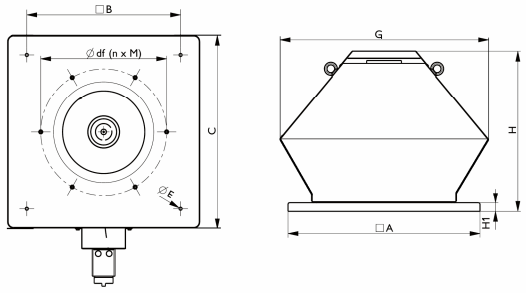
# Smoke and heat extract, roof fans

- Dual purpose fan: normal ventilation plus smoke and heat extract
- up to 120℃ continuous operation
- Casing made from aluminium
- Galvanized steel backward curved impeller
- Motor outside air stream
- DVG-V vertical exhaust
- DVG-H horizontal exhaust
- Service switch serial
- Option: thermal contact built-in or PTC
- Snow load SL-0, for use on heated building
- CE-certified according to EN 2101-3 400℃ / 120 min (F400) by Tüv Süd.

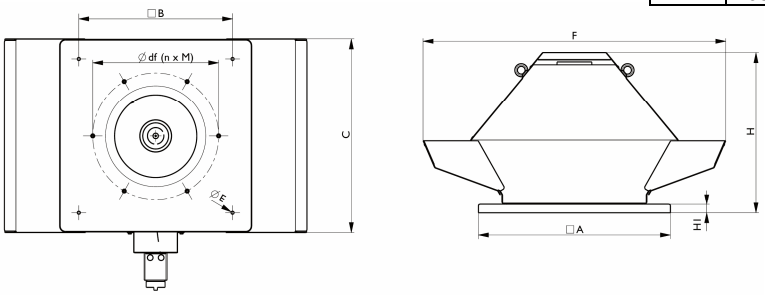
The DVG-V smoke and heat extract fans are used in case of fire to extract smoke and hot gases from rooms, and also during normal working conditions for standard ventilation. Smoke free escape ways increase the chances to rescue people and goods in case of fire. Extracting poisonous and hot gases also make fire extinguishing easier and reduce the damage on the building.

Systemair

| DVG-H DVG-V | Power [kW] | Current [A] 3~ ;400V; 50Hz | Connection | RPM [min-1] | Max air flow [m3/h] | Max air flow [m3/s] | Max air flow [m3/h] | Max air flow [m3/s] |
|---|---|---|---|---|---|---|---|---|
| | | | | | DVG-H | | DVG-V | |
| 315D6 | 0,37 | 1,1 | Y | 900 | 1690 | 0,47 | 1660 | 0,46 |
| 315D4 | 0,37 | 1,6 | Y | 1390 | 2600 | 0,72 | 2550 | 0,71 |
| 315D4-6 | 0,37/0,12 | 1,15/0,52 | Y/Y | 1420/950 | 2600 / 1690 | 0,72 / 0,47 | 2550 / 1660 | 0,71 / 0,46 |
| 315D4-8 | 0,37/0,12 | 0,95/0,6 | YY/Y | 1350/680 | 2600 / 1300 | 0,72 / 0,36 | 2550 / 1280 | 0,71 / 0,35 |
| 355D6 | 0,37 | 1,1 | Y | 900 | 1900 | 0,53 | 1810 | 0,5 |
| 355D4 | 0,37 | 1,6 | Y | 1390 | 2900 | 0,81 | 2750 | 0,77 |
| 355D4-6 | 0,37/0,12 | 1,15/0,52 | Y/Y | 1420/950 | 2900 / 1900 | 0,81 / 0,53 | 2750 / 1810 | 0,77 / 0,5 |
| 355D4-8 | 0,37/0,12 | 0,95/0,6 | YY/Y | 1350/680 | 2900 / 1450 | 0,81 / 0,4 | 2750 / 1380 | 0,77 / 0,38 |
| 400D6-S | 0,37 | 1,1 | Y | 900 | 2420 | 0,67 | 2300 | 0,64 |
| 400D4-S | 0,37 | 1,6 | Y | 1390 | 3680 | 1,02 | 3500 | 0,97 |
| 400D4-6-S | 0,37/0,12 | 1,15/0,52 | Y/Y | 1420/950 | 3680 / 2420 | 1,02 / 0,67 | 3500 / 2300 | 0,97 / 0,64 |
| 400D4-8-S | 0,37/0,12 | 0,95/0,6 | YY/Y | 1350/680 | 3680 / 1840 | 1,02 / 0,51 | 3500 / 1750 | 0,97 / 0,49 |
| 400D6 | 0,37 | 1,1 | Y | 900 | 3270 | 0,91 | 3100 | 0,86 |
| 400D4 | 0,55 | 1,6 | Y | 1390 | 4970 | 1,38 | 4720 | 1,31 |
| 400D4-6 | 0,55/0,18 | 1,7/0,8 | Y/Y | 1420/940 | 4970 / 3270 | 1,38 / 0,91 | 4720 / 3100 | 1,31 / 0,86 |
| 400D4-8 | 0,5/0,12 | 1,6/0,6 | YY/Y | 1410/670 | 4970 / 2490 | 1,38 / 0,69 | 4720 / 2360 | 1,31 / 0,66 |
| 450D6 | 0,37 | 1,1 | Y | 900 | 3790 | 1,05 | 3600 | 1 |
| 450D4 | 0,75 | 2 | Y | 1350 | 5770 | 1,6 | 5480 | 1,52 |
| 450D4-6 | 0,75/0,25 | 2,4/0,95 | Y/Y | 1420/950 | 5770 / 3790 | 1,6 / 1,05 | 5480 / 3600 | 1,52 / 1 |
| 450D4-8 | 1,1/0,25 | 3,1/1,2 | YY/Y | 1400/690 | 5770 / 2880 | 1,6 / 0,8 | 5480 / 2740 | 1,52 / 0,76 |
| 500D6-S | 0,75 | 2,5 | Y | 900 | 4940 | 1,37 | 4740 | 1,32 |
| 500D4-S | 1,1 | 2,7 | Y | 1390 | 7510 | 2,09 | 7210 | 2 |
| 500D4-6-S | 1,1/0,37 | 3/1,4 | Y/Y | 1420/950 | 7510 / 4940 | 2,09 / 1,37 | 7210 / 4740 | 2 / 1,32 |
| 500D4-8-S | 1,1/0,25 | 3,1/1,25 | YY/Y | 1400/690 | 7510 / 3760 | 2,09 / 1,04 | 7210 / 3600 | 2 / 1 |
| 500D6 | 0,75 | 2,5 | Y | 900 | 6600 | 1,83 | 6240 | 1,73 |
| 500D4 | 1,5 | 3,6 | Y | 1390 | 10050 | 2,79 | 9500 | 2,64 |
| 500D4-6 | 1,5/0,55 | 4,3/1,9 | Y/Y | 1450/940 | 10050 / 6600 | 2,79 / 1,83 | 9500 / 6240 | 2,64 /1,73 |
| 500D4-8 | 1,4/0,35 | 3,5/1,4 | YY/Y | 1400/680 | 10050 / 5020 | 2,79 / 1,4 | 9500 / 4750 | 2,64 / 1,32 |
| 560D6 | 0,75 | 2,5 | Y | 900 | 8080 | 2,25 | 7600 | 2,11 |
| 560D4 | 2,2 | 5 | Y | 1400 | 12390 | 3,44 | 11650 | 3,24 |
| 560D4-6 | 2,2/0,75 | 5,3/2,5 | Y/Y | 1430/950 | 12390 / 8080 | 3,44 / 2,25 | 11650 / 7600 | 3,24 / 2,11 |
| 560D4-8 | 2,5/0,6 | 5,9/2,4 | YY/Y | 1430/710 | 12390 / 6240 | 3,44 / 1,73 | 11650 / 5870 | 3,24 / 1,63 |
| 630D6-S | 1,1 | 3,4 | Y | 890 | 9470 | 2,63 | 8810 | 2,45 |
| 630D4-S | 3 | 6,9 | D | 1400 | 14570 | 4,05 | 13550 | 3,76 |
| 630D6-8-S | 1/0,4 | 3,3/1,35 | Y/Y | 950/710 | 9470 / 7330 | 2,63 /2,04 | 8810 / 6820 | 2,45 / 1,89 |
| 630D4-6-S | 3/0,9 | 6,9/3,3 | Y/Y | 1450/975 | 14570 / 9470 | 4,05 / 2,63 | 13550 / 8810 | 3,76 / 2,45 |
| 630D4-8-S | 3,6/0,9 | 8/3,2 | YY/Y | 1430/710 | 14570 / 7330 | 4,05 / 2,04 | 13550 / 6820 | 3,76 / 1,89 |
| 630D6 | 1,5 | 3,6 | Y | 910 | 12350 | 3,43 | 11500 | 3,19 |
| 630D4 | 4 | 8,7 | D | 1430 | 19000 | 5,28 | 17670 | 4,91 |
| 630D6-8 | 1,4/0,6 | 4,1/2,2 | Y/Y | 960/710 | 12350 / 9560 | 3,43 / 2,66 | 11500 / 8900 | 3,19 / 2,47 |
| 630D4-6 | 4/1,2 | 8,8/3,6 | Y/Y | 1450/960 | 19000 / 12350 | 5,28 / 3,43 | 17670 / 11500 | 4,91 /3,19 |
| 630D4-8 | 4,6/1,1 | 9,5/3,5 | YY/Y | 1450/720 | 19000 / 9560 | 5,28 / 2,66 | 17670 / 8900 | 4,91 / 2,47 |




| | A | B | C | E | F | G | df (n x M) | H1 | H max |
|---|---|---|---|---|---|---|---|---|---|
| **315** | 599 | 450 | 599 | 12 | 890 | 600 | 438 (6xM8) | 30 | 525 |
| **355** | 599 | 450 | 599 | 12 | 1010 | 710 | 438 (6xM8) | 30 | 575 |
| **400-S** | 668 | 535 | 670 | 12 | 1050 | 720 | 438 (6xM8) | 30 | 557 |
| **400** | 668 | 535 | 670 | 12 | 1050 | 720 | 438 (6xM8) | 30 | 557 |
| **450** | 668 | 535 | 670 | 12 | 1260 | 855 | 438 (6xM8) | 30 | 637 |
| **500-S** | 943 | 750 | 939 | 14 | 1340 | 892 | 605 (8xM8) | 30 | 687 |
| **500** | 943 | 750 | 939 | 14 | 1340 | 892 | 605 (8xM8) | 30 | 687 |
| **560** | 943 | 750 | 939 | 14 | 1540 | 1080 | 605 (8xM8) | 30 | 770 |
| **630-S** | 1039 | 840 | 1031 | 14 | 1570 | 1071 | 674 (8xM8) | 40 | 776 |
| **630** | 1039 | 840 | 1031 | 14 | 1570 | 1071 | 674 (8xM8) | 40 | 850 |

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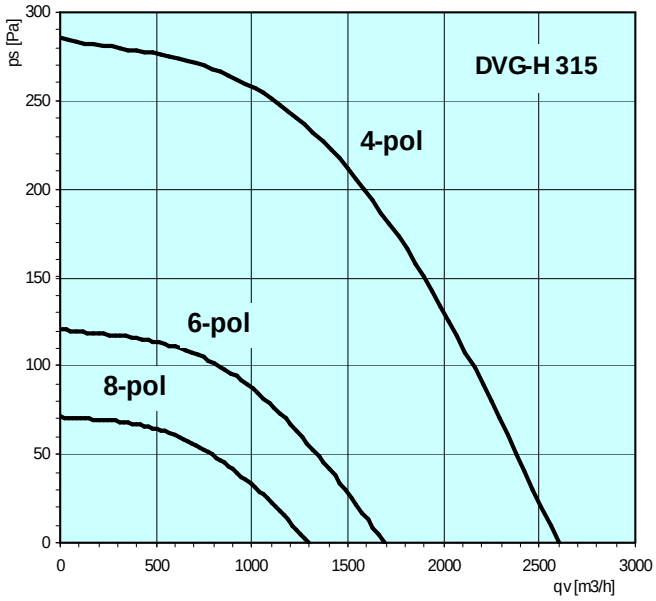
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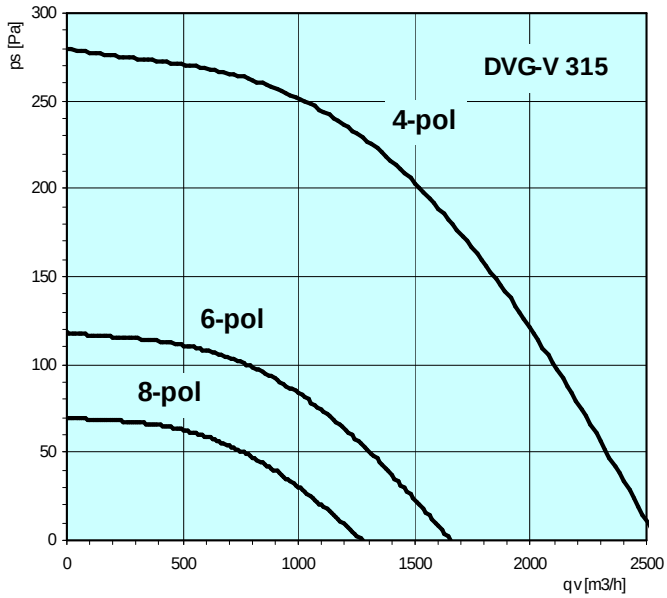
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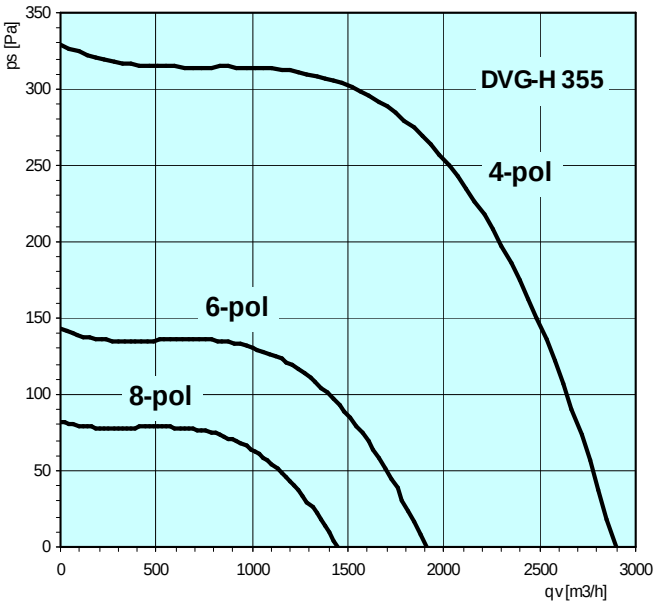
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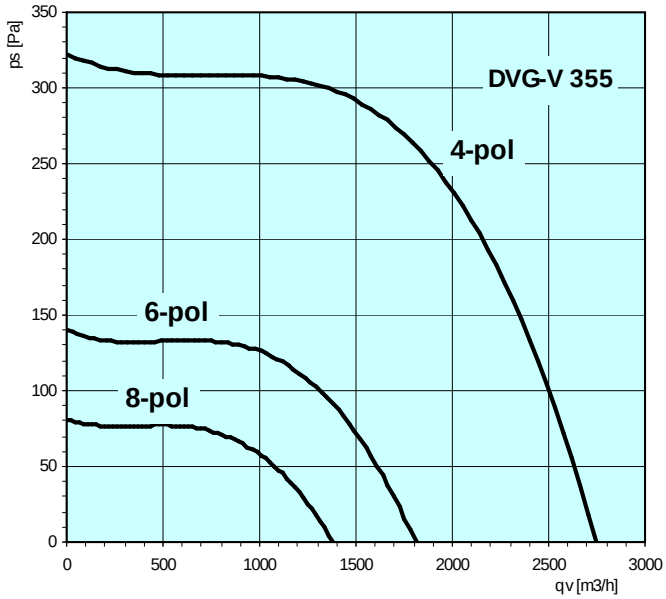
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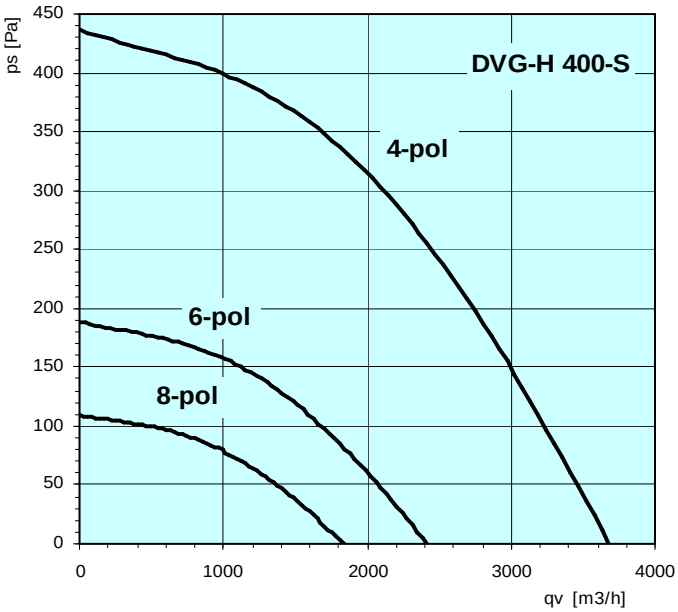
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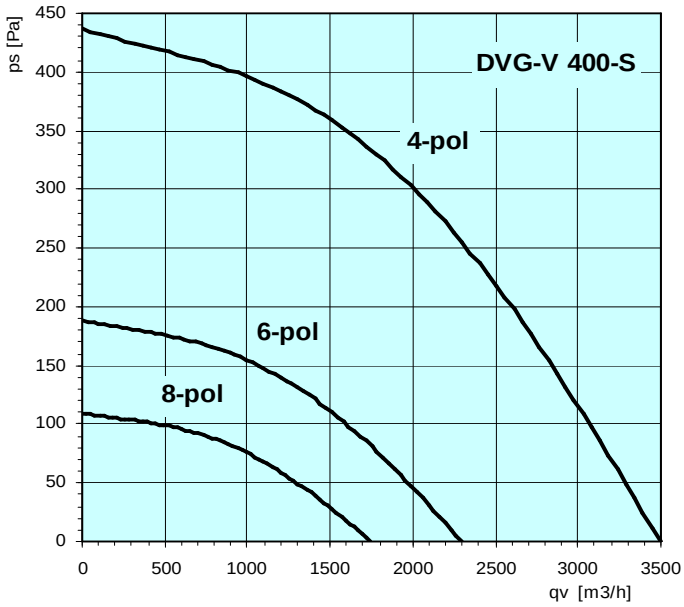
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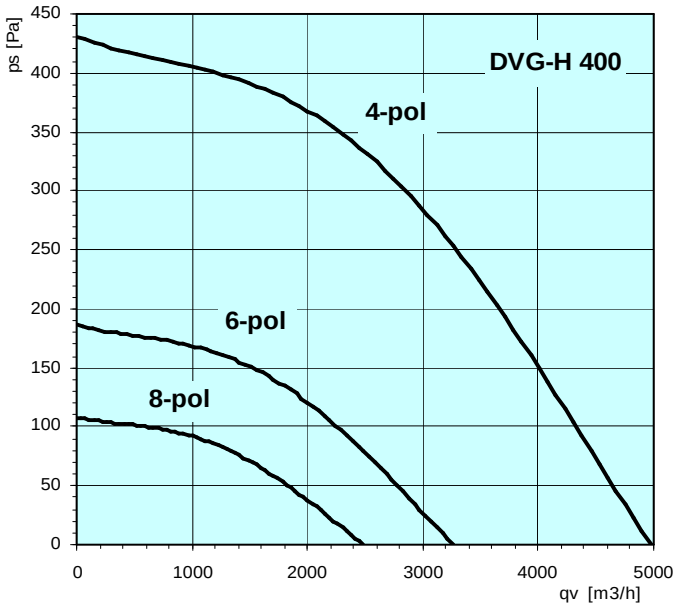
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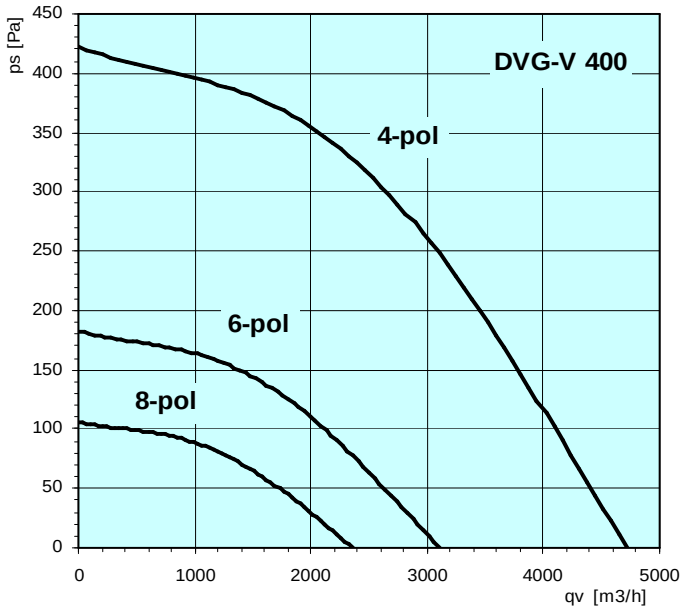
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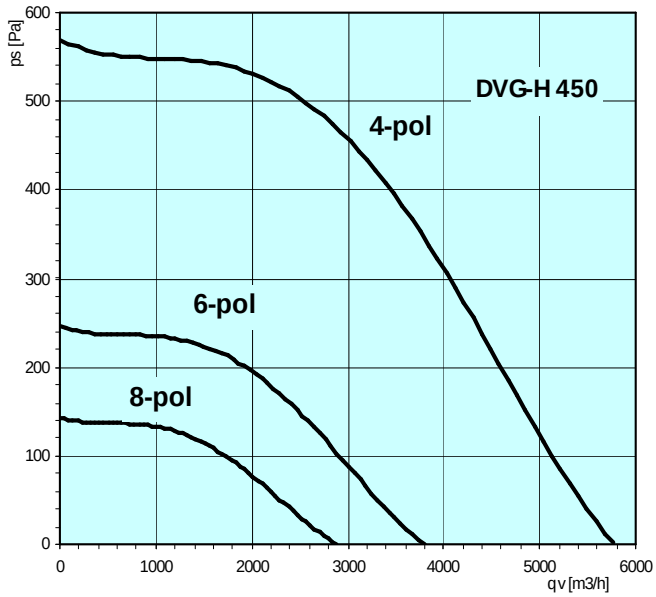
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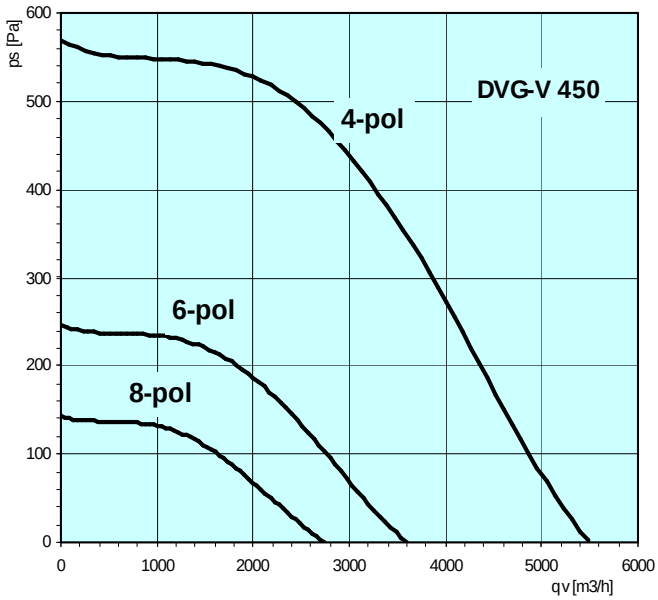
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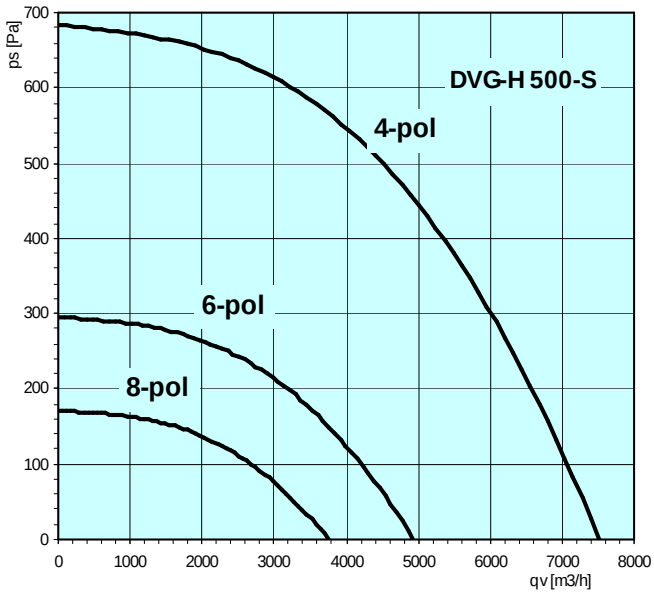
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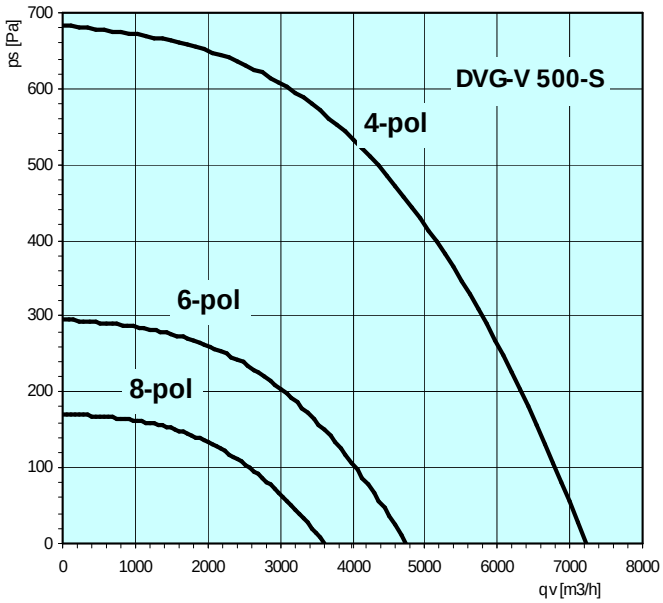
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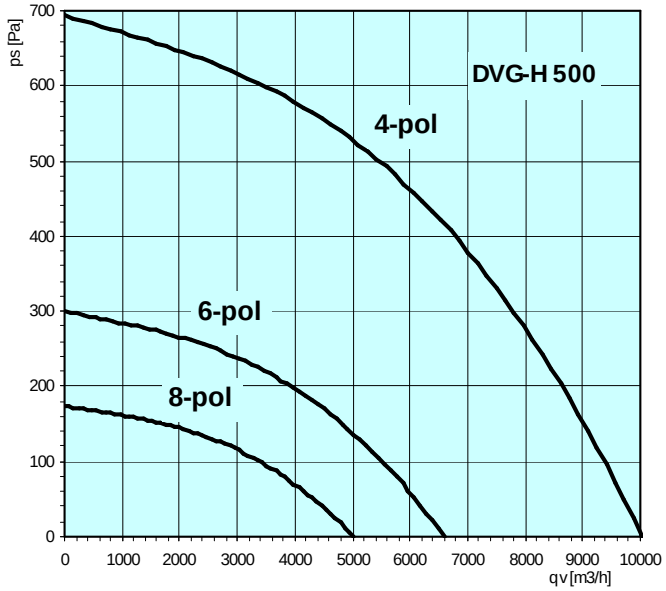
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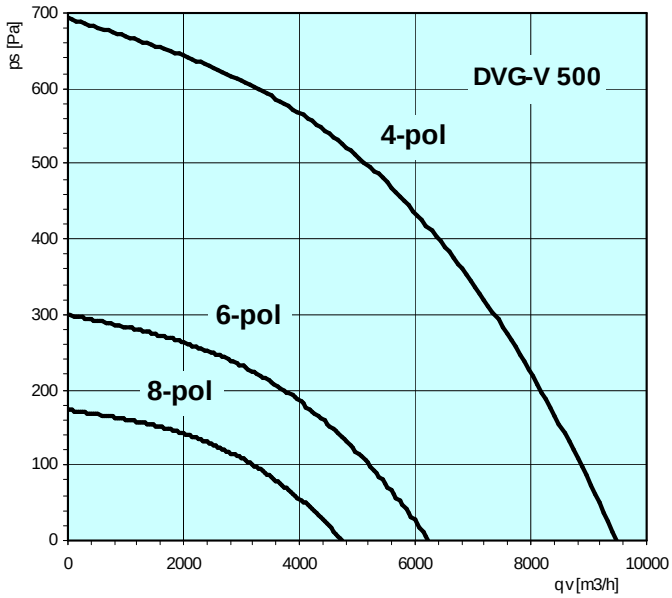
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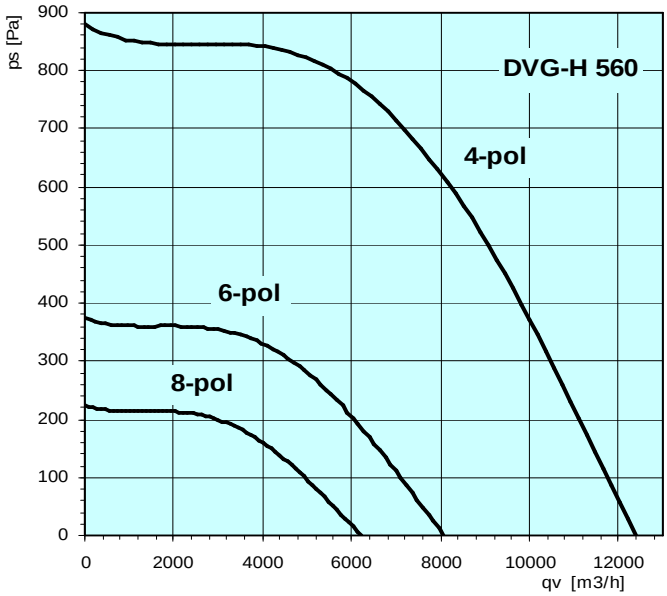
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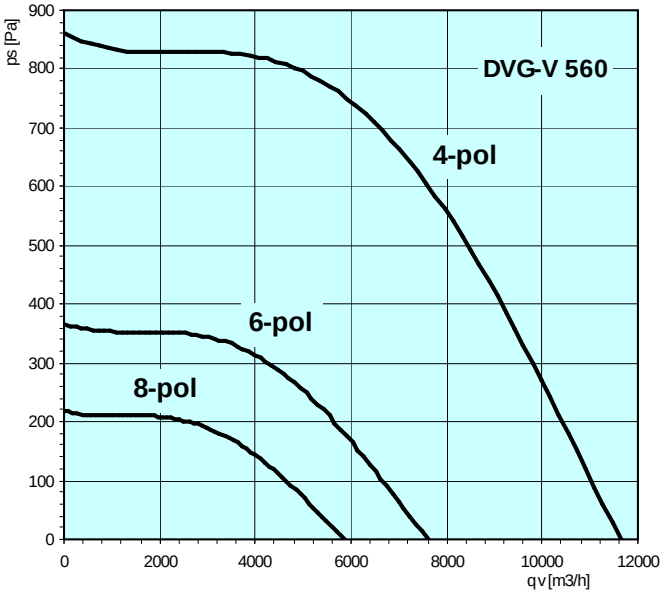
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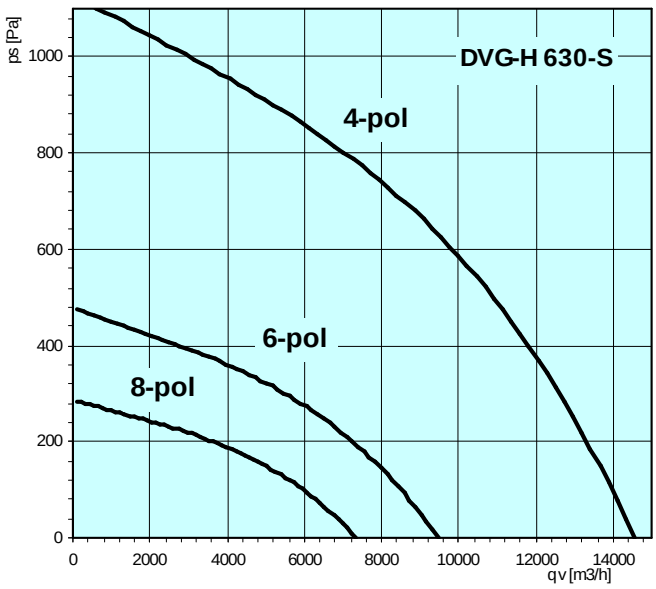
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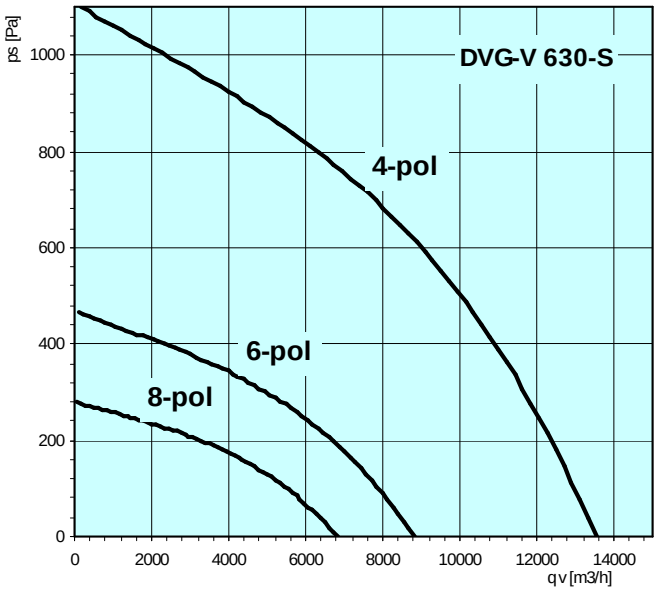
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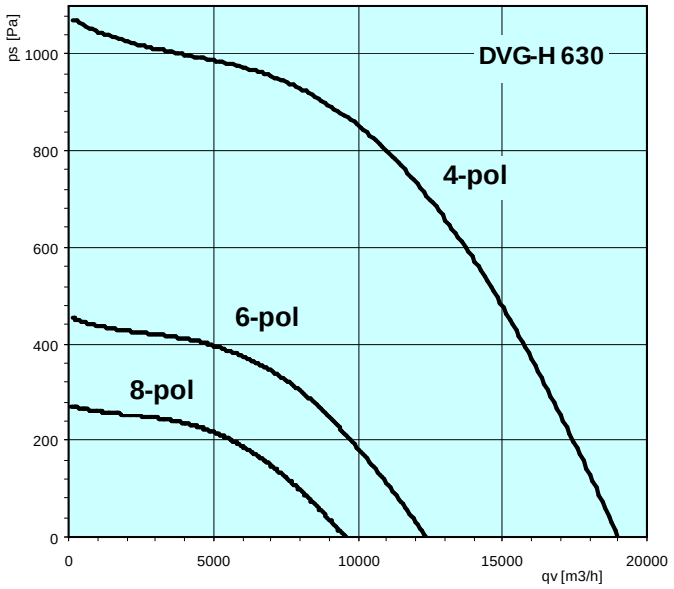


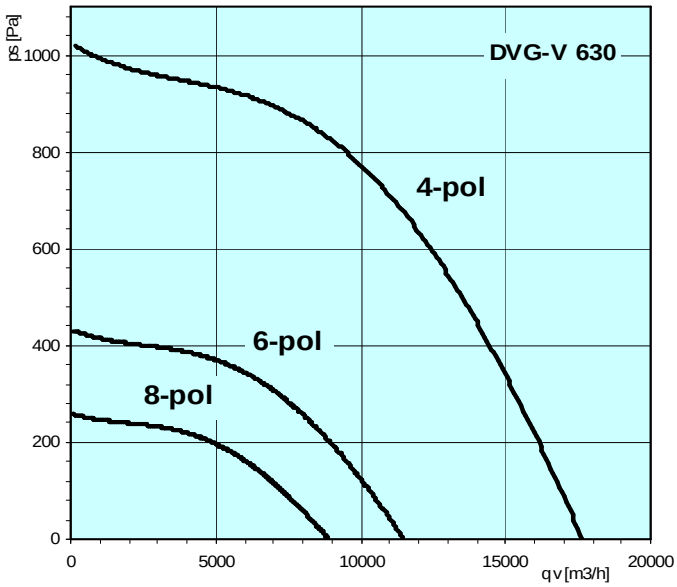


## Accessories

| DVG | FDG/F | SSG/F | ASG/F | VKG/F | ASSG/F |
|---|---|---|---|---|---|
| **315** | 315-355 | 315-355 | 315-355 | 315-450 | 315-450 |
| **355** | | | | | |
| **400-S** | 400-450 | 400-450 | 400-450 | | |
| **400** | | | | | |
| **450** | | | | | |
| **500-S** | 500-560 | 500-560 | 500-560 | 500-560 | 500-560 |
| **500** | | | | | |
| **560** | | | | | |
| **630-S** | 630 | 630 | 630 | 630 | 630 |
| **630** | | | | | |

FDG/F

SSG/F

ASG/F

VKG/F

ASSG/F

Systemair