



Munters »Fan-Module«

Exhaust air systems

The »fan modules« with their integrated fans show the complete performance capabilities. Fully preassembled module with integrated fan ready for connection, manufactured by **ZIEHL-ABEGG**

Advantages

- With tongue and groove for a form-fit connection
- Diameter Ø 520, 580, 650, 730, 820, 920, 1.090, 1,270 mm
- Good mechanical properties
- High insulation value
- Reduction of condensation
- Smooth and hard surfaces, easy to clean
- Simple installation and maintenance
- High capacity ventilator
- System integration with piping system »Agroflex«[®] and »vario-clip«[®]

The fans are characterized by their quiet running, pressure stability, good bearing and high capacity. All components are adjusted. In this manner, the exhaust air units are more energy efficient.

The flow-optimised diffusers achieve excellent values (electric energy in relation to the air flow) in connection with the aerodynamically shaped intake nozzles.

For this reason, performance increases of the Ziehl-Abegg fans of up to 15 % can be achieved (See air flow diagrams on the following pages).



»Fan-Module«



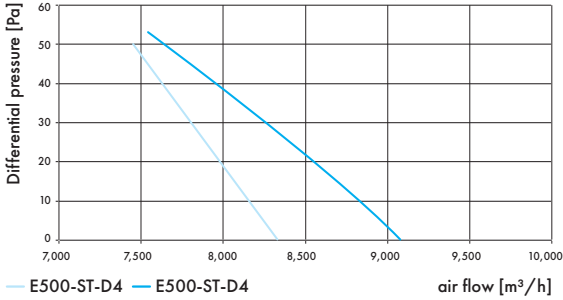
»Fan-Module« with PU intake nozzle

Munters »Fan-Module«

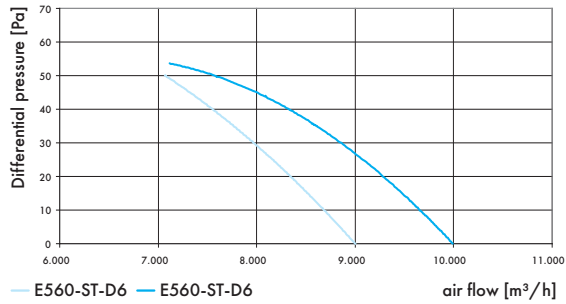
Exhaust air systems

Air flow diagram »Fan-Module« 400V

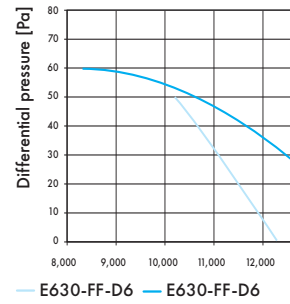
»AGROFLEX«® - exhaust air duct Ø 520/E 500-ST-D4



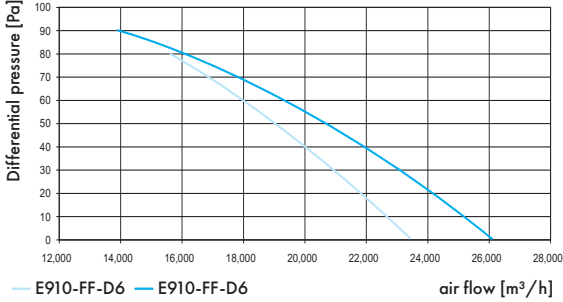
»AGROFLEX«® - exhaust air duct Ø 580/E 560-ST-D6



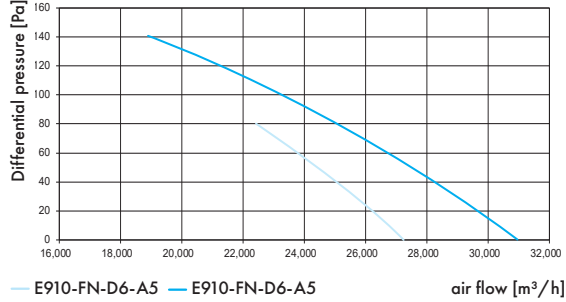
»AGROFLEX«® - exhaust air duct Ø 630/E 630-ST-D6



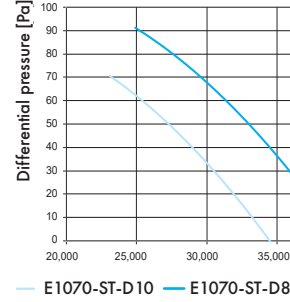
»AGROFLEX«® - exhaust air duct Ø 920/E 910-FF-D6



»AGROFLEX«® - exhaust air duct Ø 920/E 910-FN-D6-A5

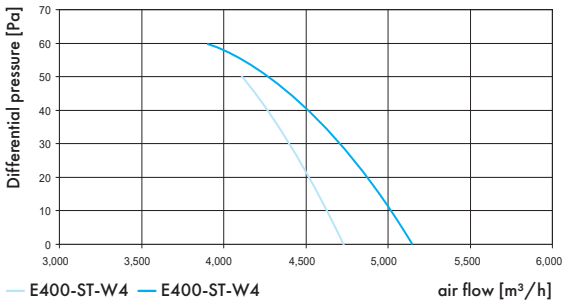


»AGROFLEX«® - exhaust air duct Ø 1070/E 1070-ST-D8

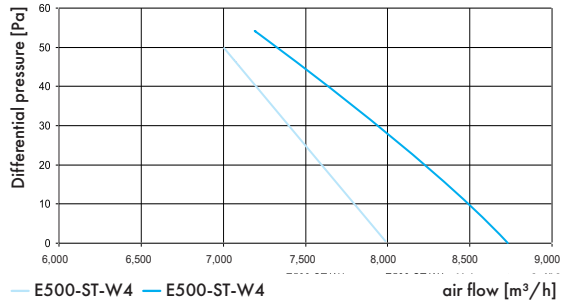


Air flow diagrams »Fan-Module« 230V

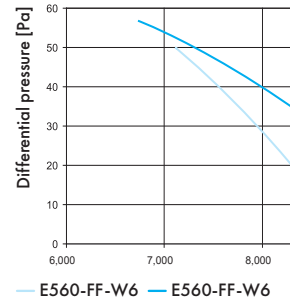
»AGROFLEX«® - exhaust air duct Ø 420/E 400-ST-W4



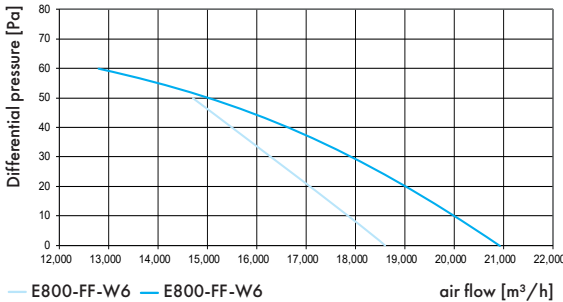
»AGROFLEX«® - exhaust air duct Ø 520/E 500-ST-W4



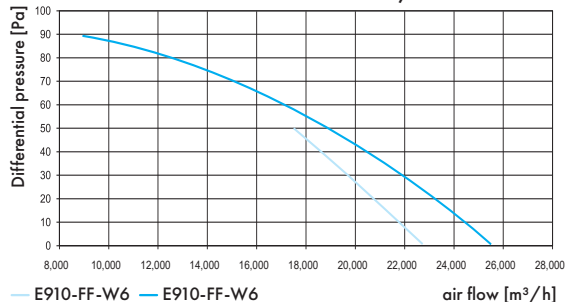
»AGROFLEX«® - exhaust air duct Ø 560/E 560-FF-W6



»AGROFLEX«® - exhaust air duct Ø 820/E 800-FF-W6



»AGROFLEX«® - exhaust air duct Ø 920/E 910-FF-W6



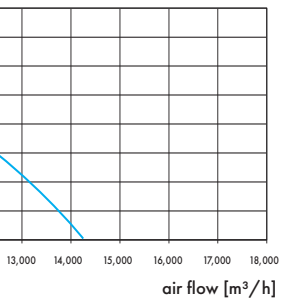
Measured: — In the »AGROFLEX«® - duct (3m) with PUR intake nozzle, diffusor and shutter
- - - in full duct without grid, version A per ISO 5801

Technical specifications

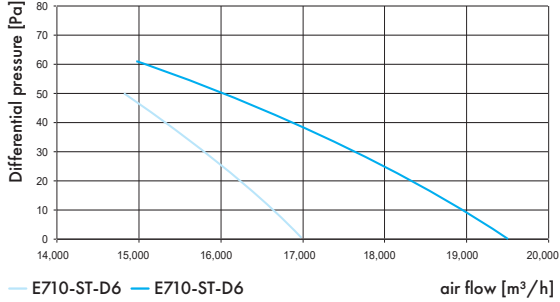
| Type | Module interior ¹ |
|-----------------|------------------------------|
| Three-phase | |
| M500-ST-D4-A7 | 520 |
| M560-ST-D6-A7 | 580 |
| M630-FF-D6-A5 | 650 |
| M710-ST-D6-A7 | 730 |
| M800-ST-D6-A7 | 820 |
| M910-FF-D6-A3 | 920 |
| M910-FN-D6-A5 | 920 |
| M1070-ST-D6-A3 | 1,090 |
| M1070-ST-D8-A3 | 1,090 |
| M1070-ST-D10-A5 | 1,090 |
| M1250-ST-D10-A7 | 1,270 |
| Single-phase | |
| M500-ST-W4 | 520 |
| M560-FF-W6 | 580 |
| M630-FF-W6 | 650 |
| M710-ST-W6 | 730 |
| M800-FF-W6 | 820 |
| M910-FF-W6 | 920 |

¹Rated current at the separation point
R = Framed fan measured in the room
FF = owlet pinions SI = side inlet

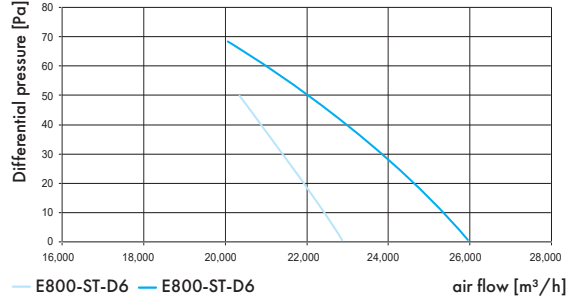
duct Ø 650/E 630-FF-D6



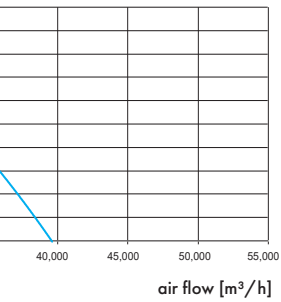
»AGROFLEX«® - exhaust air duct Ø 730/E 710-ST-D6



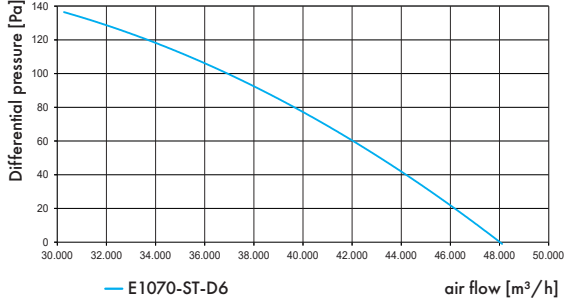
»AGROFLEX«® - exhaust air duct Ø 820/E 800-ST-D6



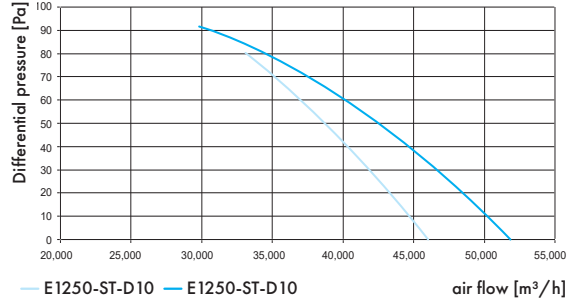
duct Ø 1.090/E 1.070-ST-D8/D10



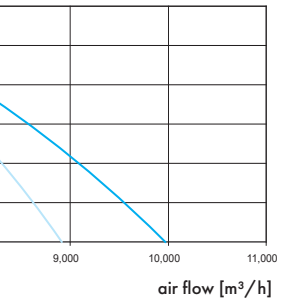
»AGROFLEX«® - exhaust air duct Ø 1.090/E 1.070-ST-D6



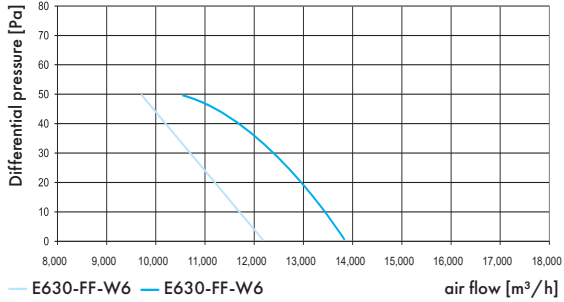
»AGROFLEX«® - exhaust air duct Ø 1.270/E 1.250-ST-D10



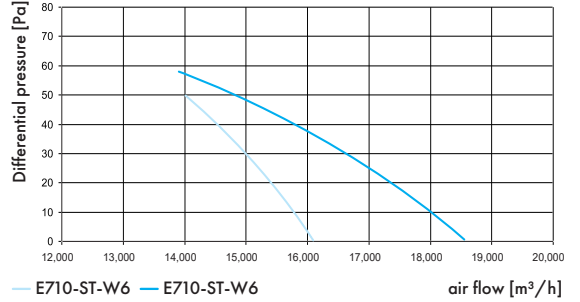
duct Ø 580/E 560-FF-W6



»AGROFLEX«® - exhaust air duct Ø 650/E 630-FF-W6



»AGROFLEX«® - exhaust air duct Ø 730/E 710-ST-W6



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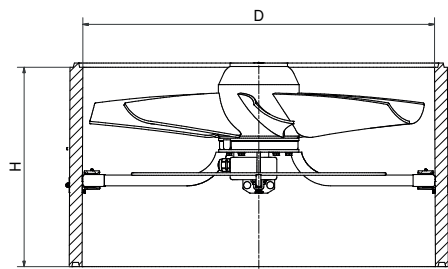
| Speed (rpm) (revolutions per minute) | Voltage V | Current A | Capacity W | Sound power level suction side LwA5 dB(A) | Sound pressure level in 7m distan- ce 45° dB(A) | Air flow (m³/h) Pressure (Pa) | | | | | | | | | | | | Capacity/V at 0 Pa [W/(1,000m³/h)] | |
|--|-----------|-----------|------------|---|---|-------------------------------|----------|--------|----------|--------|----------|--------|----------|----------|---------|------|----------|---------------------------------------|--|
| | | | | | | 0 | 0 | 30 | 30 | 50 | 50 | 80 | max. | Fan | Chimney | | | | |
| | | | | | | R | AGROFLEX | R | AGROFLEX | R | AGROFLEX | R | AGROFLEX | R | | R | AGROFLEX | | |
| 1,360 | 400 | 1.10 | 530 | 78 | 53 | 8,300 | 9,100 | 7,800 | 8,300 | 7,500 | 7,600 | 6,800 | 4,900 | (130 Pa) | 53.4 | 49.0 | | | |
| 890 | 400 | 0.74 | 360 | 71 | 46 | 9,000 | 10,000 | 8,000 | 8,800 | 7,100 | 7,600 | — | 5,700 | (70 Pa) | 40.0 | 38.6 | | | |
| 930 | 400 | 1.25 | 540 | 72 | 47 | 12,300 | 14,200 | 11,100 | 12,500 | 10,200 | 10,600 | — | 7,400 | (78 Pa) | 39.3 | 34.9 | | | |
| 890 | 400 | 1.80 | 890 | 81 | 56 | 17,000 | 19,500 | 15,800 | 17,600 | 14,800 | 16,000 | 13,100 | 11,000 | (110 Pa) | 40.9 | 35.7 | | | |
| 900 | 400 | 2.70 | 1,350 | 80 | 55 | 22,900 | 26,000 | 21,400 | 23,900 | 20,300 | 22,000 | 18,700 | 14,300 | (125 Pa) | 45.0 | 39.7 | | | |
| 880 | 400 | 1.90 | 920 | 75 | 50 | 23,500 | 26,100 | 20,900 | 23,100 | 19,100 | 20,700 | 15,600 | 12,500 | (95 Pa) | 35.5 | 30.8 | | | |
| 880 | 400 | 4.00 | 1,950 | 78 | 53 | 27,300 | 31,100 | 25,500 | 29,000 | 24,600 | 27,400 | 22,400 | 11,500 | (139 Pa) | 42.3 | 36.9 | | | |
| 870 | 400 | 6.20 | 3,400 | 93 | 68 | — | 48,100 | — | 45,100 | — | 43,100 | — | — | — | — | 64.7 | | | |
| 700 | 400 | 3.60 | 1,600 | 87 | 62 | — | 39,900 | — | 35,500 | — | 32,700 | — | — | — | — | 40.8 | | | |
| 540 | 400 | 3.20 | 1,300 | 82 | 57 | — | 34,500 | — | 30,400 | — | 27,300 | — | — | — | — | 35.4 | | | |
| 500 | 400 | 4.50 | 2,200 | 83 | 58 | 46,100 | 52,300 | 41,700 | 46,200 | 38,900 | 42,500 | 33,100 | 29,600 | (90 Pa) | 42.1 | 37.1 | | | |
| 1,310 | 230 | 2.30 | 510 | 76 | 51 | 8,000 | 8,700 | 7,400 | 7,900 | 7,000 | 7,300 | 6,500 | 5,000 | (115 Pa) | 52.4 | 48.2 | | | |
| 920 | 230 | 1.90 | 400 | 74 | 49 | 8,900 | 9,900 | 8,000 | 8,600 | 7,100 | 7,200 | — | 5,800 | (70 Pa) | 48.3 | 46.6 | | | |
| 890 | 230 | 2.50 | 520 | 71 | 46 | 12,200 | 13,900 | 10,700 | 12,400 | 9,700 | 10,500 | — | 6,000 | (74 Pa) | 40.2 | 35.8 | | | |
| 850 | 230 | 4.10 | 890 | 79 | 54 | 16,100 | 18,500 | 15,000 | 16,600 | 14,000 | 14,800 | 12,000 | 10,900 | (95 Pa) | 44.7 | 38.8 | | | |
| 880 | 230 | 3.40 | 760 | 75 | 50 | 18,600 | 20,900 | 16,300 | 18,100 | 14,700 | 15,000 | 11,800 | 10,000 | (90 Pa) | 36.9 | 32.3 | | | |
| 840 | 230 | 4.20 | 940 | 75 | 50 | 22,800 | 25,300 | 19,700 | 22,000 | 17,500 | 18,600 | 13,400 | 11,900 | (88 Pa) | 38.4 | 33.5 | | | |

ation point of the fan characteristic curve / ² Rated power consumption / ³ Measured in full duct without contact protection, version A per ISO 5801 at 30 Pa
 full duct without contact protection, version A per ISO 5801 / »AGROFLEX«® duct (3m) with PUR intake nozzle, diffuser and shutter (measured per the adjacent drawing)
 FN= sickle impeller FN= owl sickle impeller ST= standard impeller W= 230V/50Hz D= 400V/50Hz 4/6/8/10= number of pole pairs

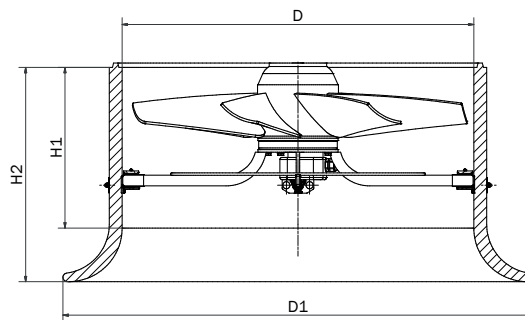
Munters »Fan-Module«

Exhaust air systems

Dimensions



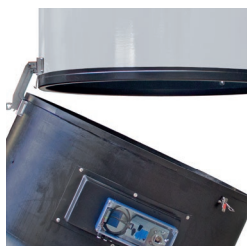
»Fan-Modul« without PUR intake nozzle



»Fan-Modul« incl. PUR intake nozzle

| D | D1 | H | H1 | H2 |
|----------|----------|--------|--------|--------|
| 520 mm | 704 mm | 320 mm | 320 mm | 400 mm |
| 580 mm | 776 mm | 315 mm | 315 mm | 400 mm |
| 650 mm | 861 mm | 305 mm | 305 mm | 400 mm |
| 730 mm | 971 mm | 390 mm | 390 mm | 500 mm |
| 820 mm | 1,091 mm | 465 mm | 375 mm | 500 mm |
| 920 mm | 1,201 mm | 490 mm | 360 mm | 500 mm |
| 1,090 mm | 1,464 mm | 510 mm | 510 mm | 685 mm |
| 1,270 mm | 1,658 mm | 600 mm | 600 mm | 795 mm |

Extras + Accessories



Swivel mechanism



Protective grid



Diffusor



Adaptor ring PU



Shutter module with measuring fan

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