

# Ventilator Normkennlinie

nach DIN 24163 Teil 3

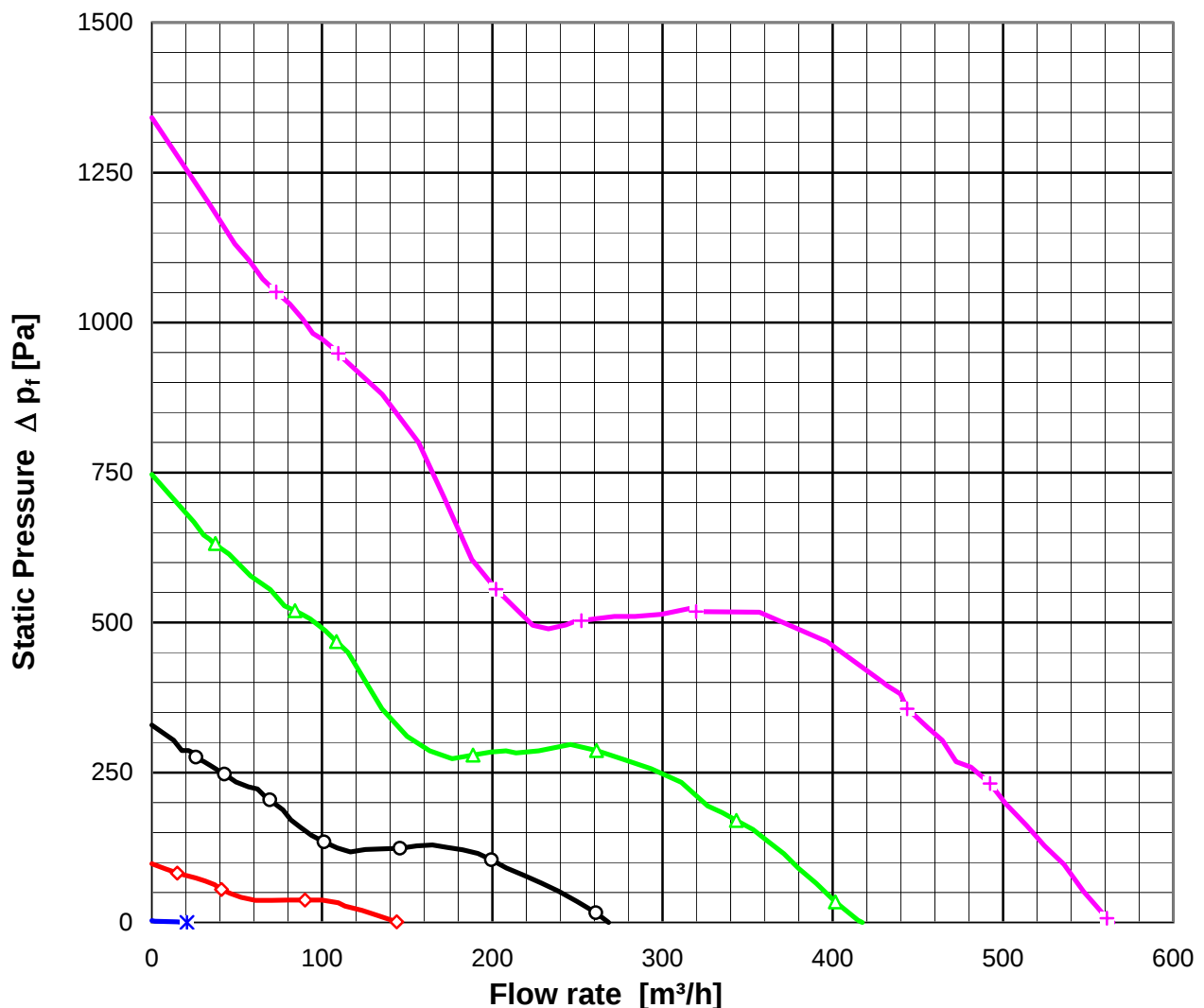
gemessen mit saugseitigem Doppelkammerprüfstand

**ebm**papst

St. Georgen

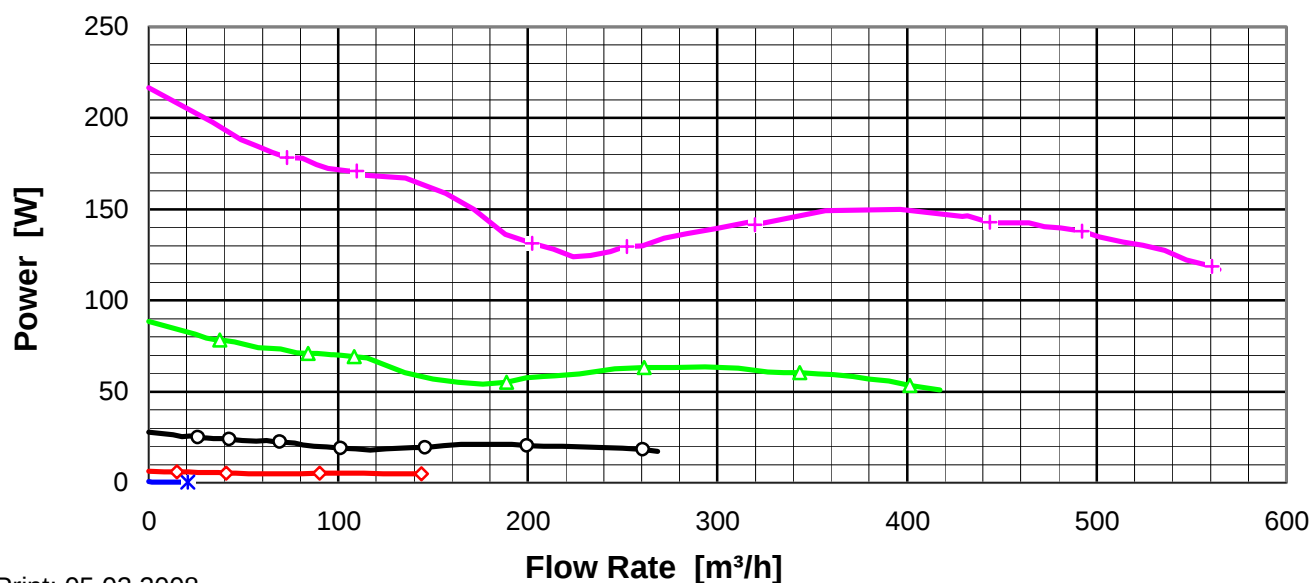
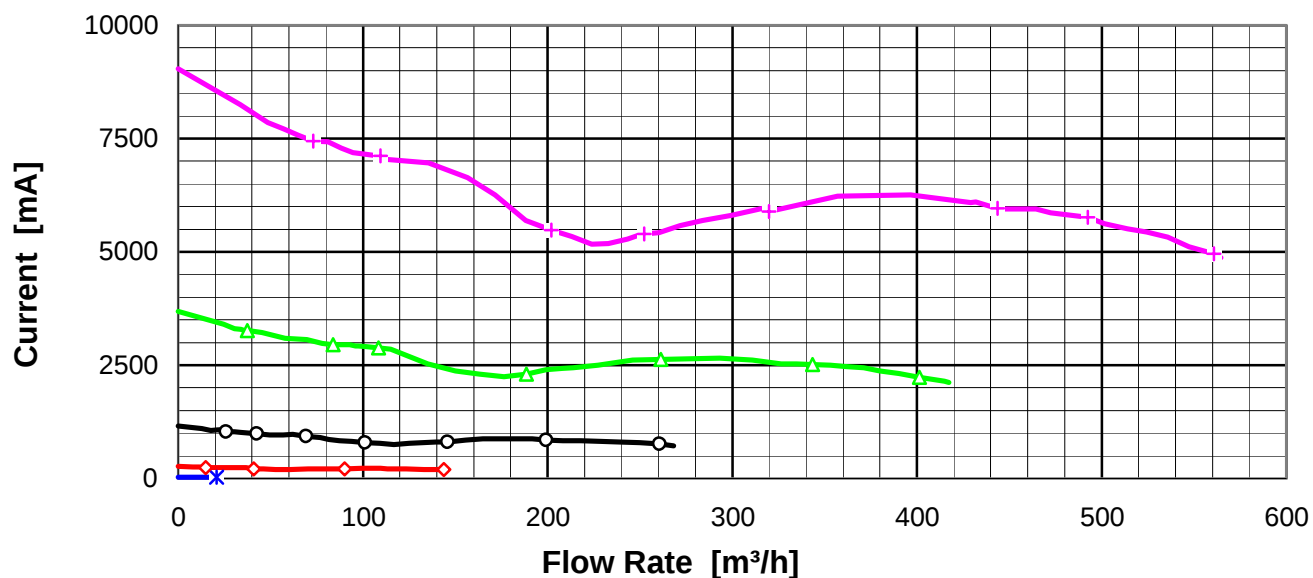
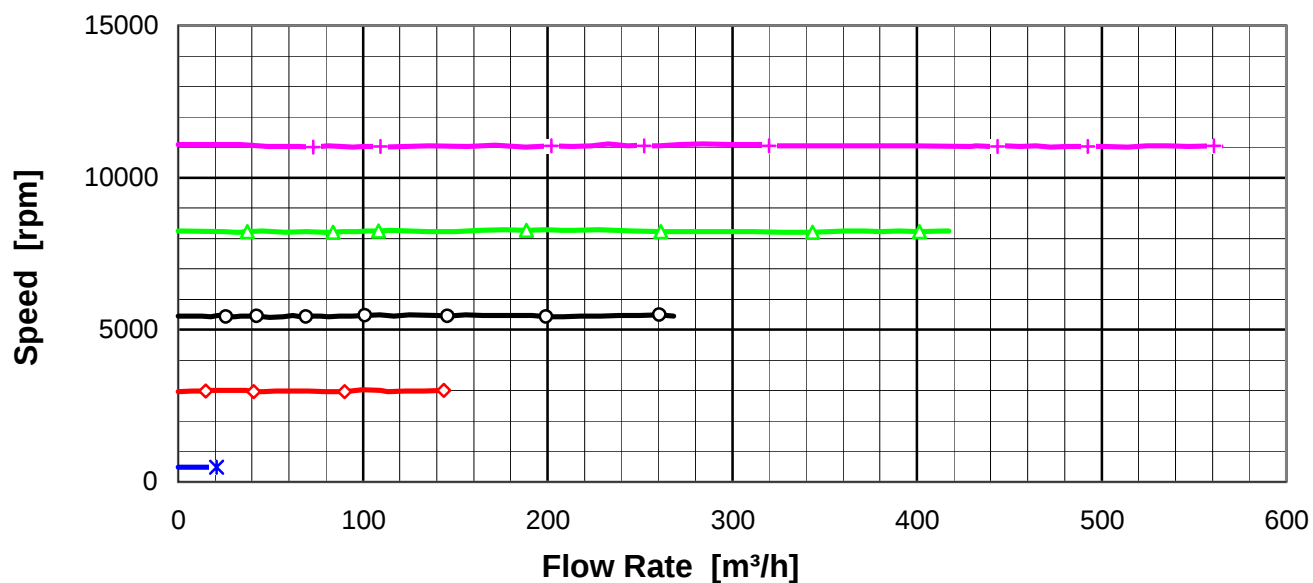
|                       |                                                                       |                                               |                   |             |             |
|-----------------------|-----------------------------------------------------------------------|-----------------------------------------------|-------------------|-------------|-------------|
| Datei - Nr.: ✖ 114291 |                                                                       | Datei - Nr.: ◇ 114292 30 % PWM an viol. Litze |                   |             |             |
| Ventilator typ:       | 4114 N/2H8P                                                           | U                                             | f                 | 24 VDC      |             |
| b / t:                | 922 mbar / 23.7 °C                                                    | I <sub>V0</sub>                               | I <sub>Vmax</sub> | 265 mA      | 197 mA      |
| φ / ρ:                | 31 % / 1.083 kg/m³                                                    | P <sub>V0</sub>                               | P <sub>Vmax</sub> | 6.36 W      | 4.73 W      |
| Auftragsnummer:       | -                                                                     | n <sub>V0</sub>                               | n <sub>Vmax</sub> | 2974 1/min  | 3000 1/min  |
| Kunde:                | intern                                                                | Datei - Nr.: ○ 114293 50 % PWM an viol. Litze |                   |             |             |
| Dat./Bearbeiter:      | 05.03.08 / 514/Benz                                                   | U                                             | f                 | 24 VDC      |             |
| Messdüse/blende:      | LM2000                                                                | I <sub>V0</sub>                               | I <sub>Vmax</sub> | 1155 mA     | 724 mA      |
| Bemerkungen:          | Messungen für Kunde:<br>Lüfter-Muster v. B.Thürmer<br>SK 6006 0235 07 | P <sub>V0</sub>                               | P <sub>Vmax</sub> | 27.72 W     | 17.34 W     |
|                       | 10 % PWM an viol. Litze                                               | n <sub>V0</sub>                               | n <sub>Vmax</sub> | 5444 1/min  | 5458 1/min  |
|                       |                                                                       | Datei - Nr.: △ 114294 70 % PWM an viol. Litze |                   |             |             |
|                       |                                                                       | U                                             | f                 | 24 VDC      |             |
|                       |                                                                       | I <sub>V0</sub>                               | I <sub>Vmax</sub> | 3689 mA     | 2124 mA     |
|                       |                                                                       | P <sub>V0</sub>                               | P <sub>Vmax</sub> | 88.5 W      | 50.86 W     |
|                       |                                                                       | n <sub>V0</sub>                               | n <sub>Vmax</sub> | 8238 1/min  | 8245 1/min  |
|                       |                                                                       | Datei - Nr.: + 114290 90 % PWM an viol. Litze |                   |             |             |
|                       |                                                                       | U                                             | f                 | 24 VDC      |             |
|                       |                                                                       | I <sub>V0</sub>                               | I <sub>Vmax</sub> | 9033 mA     | 4872 mA     |
|                       |                                                                       | P <sub>V0</sub>                               | P <sub>Vmax</sub> | 216.48 W    | 116.76 W    |
|                       |                                                                       | n <sub>V0</sub>                               | n <sub>Vmax</sub> | 11077 1/min | 11033 1/min |
|                       |                                                                       | Datei - Nr.:                                  |                   |             |             |
| U                     | f                                                                     | 24 VDC                                        |                   |             |             |
| I <sub>V0</sub>       | I <sub>Vmax</sub>                                                     | 22 mA                                         | 22 mA             |             |             |
| P <sub>V0</sub>       | P <sub>Vmax</sub>                                                     | 0.53 W                                        | 0.52 W            |             |             |
| n <sub>V0</sub>       | n <sub>Vmax</sub>                                                     | 479 1/min                                     | 485 1/min         |             |             |
| U                     | f                                                                     |                                               |                   |             |             |
| I <sub>V0</sub>       | I <sub>Vmax</sub>                                                     |                                               |                   |             |             |
| P <sub>V0</sub>       | P <sub>Vmax</sub>                                                     |                                               |                   |             |             |
| n <sub>V0</sub>       | n <sub>Vmax</sub>                                                     |                                               |                   |             |             |

b: Barometerstand t: Temperatur φ: rel. Feuchte ρ: Luftdichte U: Spannung f: Frequenz I: Strom P: Leistung n: Drehzahl



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|                 |             |             |             |             |             |  |
|-----------------|-------------|-------------|-------------|-------------|-------------|--|
| Datei - Nr.:    | * 114291    | ◇ 114292    | ○ 114293    | △ 114294    | + 114290    |  |
| Ventilator typ: | 4114 N/2H8P | 4114 N/2H8P | 4114 N/2H8P | 4114 N/2H8P | 4114 N/2H8P |  |
| U               | f           | 24 VDC      | 24 VDC      | 24 VDC      | 24 VDC      |  |



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