

# Axial-Ventilatoren

Serie: RP 4 - 6 polig Aussenläufer  
 Serie: IR 4 - 6 polig Innenläufer  
 Flügeldurchmesser: 250-630 mm  
 Luftmenge: 910 – 14000 m<sup>3</sup>/h



# Axial Fans

Serie: RP 4 - 6 poles  
 Serie: IR 4 - 6 poles  
 Impellor-Ø: 250 - 630 mm  
 Airflow : 910 – 14000 m<sup>3</sup>/h

**Anwendung**  
 Luftgekühlte Verflüssiger  
 Luftgekühlte Verdampfer  
 Allgemeine Be- und Entlüftung

**Application:**  
 Air cooled evaporator  
 Air cooled Condenser  
 General use for ventilation

Änderungen jederzeit vorbehalten

| Abbildung           | Ø          | Modell Typ                               | Spannung Voltage | Frequenz Frequency | E-Kondensator Capacitor | Leistungsaufnahme Input | Stromaufnahme Current | Luftmenge Air Volume | Drehzahl Speed | Schallpegel Noise level |
|---------------------|------------|--|------------------|--------------------|-------------------------|-------------------------|-----------------------|----------------------|----------------|-------------------------|
|                     | mm         |  | V                | Hz                 | µF                      | W                       | A                     | m <sup>3</sup> /h    | rpm            | dBA                     |
| <b>Aussenläufer</b> |            | <b>Aussenläufer External Rotor Motor</b> |                  |                    |                         |                         |                       |                      |                |                         |
|                     | <b>250</b> | RPM_/250-4                               | 230              | 50                 | 2                       | 80                      | 0,40                  | 910                  | 1.400          | 68                      |
|                     |            | RPT_/250-4                               | 230/400          | 50                 | -                       | 75                      | 0,18                  | 930                  | 1.440          | 70                      |
|                     | <b>300</b> | RPM_/300-4                               | 230              | 50                 | 2                       | 98                      | 0,45                  | 1.680                | 1.380          | 76                      |
|                     |            | RPT_/300-4                               | 230/400          | 50                 | -                       | 85                      | 0,20                  | 1.730                | 1.400          | 76                      |
|                     | <b>350</b> | RPM_/350-4                               | 230              | 50                 | 4                       | 135                     | 0,60                  | 2.850                | 1.420          | 79                      |
|                     |            | RPT_/350-4                               | 230/400          | 50                 | -                       | 125                     | 0,30                  | 3.100                | 1.440          | 79                      |
|                     | <b>400</b> | RPM_/400-4                               | 230              | 50                 | 6                       | 158                     | 0,70                  | 3.800                | 1.380          | 74                      |
|                     |            | RPT_/400-4                               | 230/400          | 50                 | -                       | 165                     | 0,40                  | 3.830                | 1.400          | 75                      |
|                     | <b>450</b> | RPM_/450-4                               | 230              | 50                 | 8                       | 225                     | 1,00                  | 5.600                | 1.390          | 75                      |
|                     |            | RPT_/450-4                               | 230/400          | 50                 | -                       | 250                     | 0,60                  | 5.850                | 1.430          | 76                      |
| RPM_/450-6          |            | 230                                      | 50               | 6                  | 135                     | 0,60                    | 3.800                 | 940                  | 68             |                         |
| RPT_/450-6          |            | 230/400                                  | 50               | -                  | 145                     | 0,35                    | 3.900                 | 970                  | 70             |                         |
| <b>500</b>          | RPM_/500-6 | 230                                      | 50               | 8                  | 150                     | 0,70                    | 5.200                 | 950                  | 66             |                         |
|                     | RPT_/500-6 | 230/400                                  | 50               | -                  | 175                     | 0,45                    | 5.350                 | 970                  | 68             |                         |
| <b>Innenläufer</b>  |            | <b>Innenläufer Internal Rotor Motor</b>  |                  |                    |                         |                         |                       |                      |                |                         |
|                     | <b>500</b> | M/500-4                                  | 230              | 50                 | 10                      | 700                     | 3,00                  | 9.700                | 1.400          | 77                      |
|                     |            | T/500-4                                  | 230/400          | 50                 | -                       | 600                     | 1,50                  | 9.900                | 1.405          | 78                      |
|                     |            | T/500-4- 1 VE                            | 400              | 50                 | -                       | 600                     | 1,50                  | 9.900                | 1.405          | 78                      |
|                     |            | T/500-4- 2 VE                            | 400              | 50                 | -                       | 450                     | 1,30                  | 8.720                | 1.220          | 75                      |
|                     | <b>630</b> | T/630-6-1 VE                             | 400              | 50                 | -                       | 1000                    | 3,10                  | 14.000               | 850            | 75                      |
|                     |            | T/630-6-2 VE                             | 400              | 50                 | -                       | 500                     | 2,60                  | 8.700                | 510            | 73                      |

Schutzklasse: Min. IP44  
 Ausführung der Motoren: In Übereinstimmung mit EN 60335-1  
 Mindestens Isolationsklasse: F  
 Die Wechsel- und Drehstrom-Ventilatoren sind über Spannungsänderung in der Drehzahl regulierbar

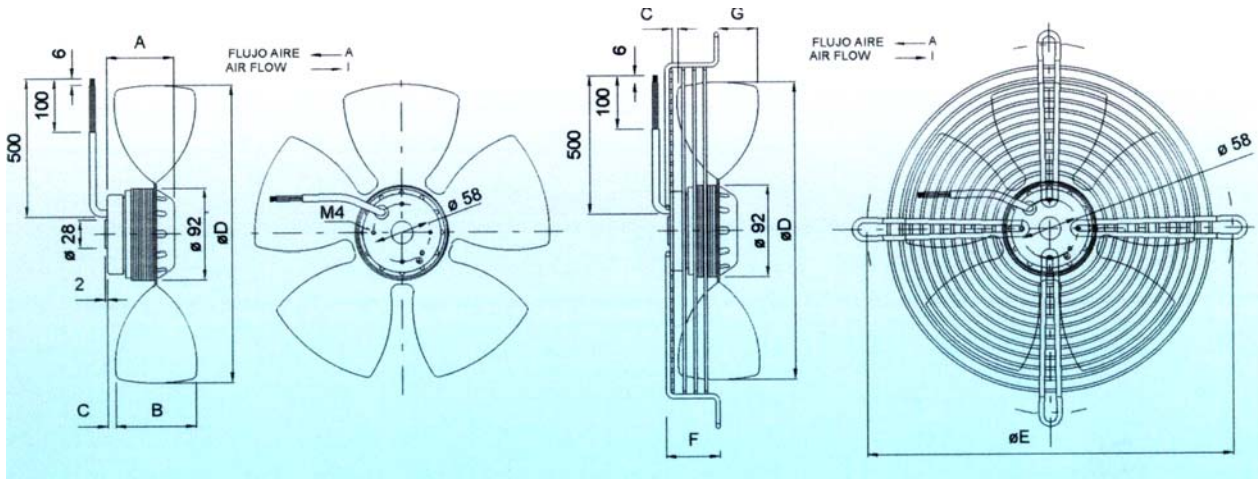
Lieferbar in unterschiedlichen Ausführung

Ausführung R –mit Schutzgitter  
 Ausführung F-ohne Schutzgitter  
 Lüfrichtung über Motor saugend = **A**  
 Lüfrichtung über Motor drückend = **I**  
 Bestellbeispiel: **RPTA/450-4**  
**FPMI/350-4**

*Safety: Min. IP44  
 Motors are manufactured according to EN 60335-1  
 Insulation class: min. F  
 The speed of the fan motors can be regulated by variation of the Voltage*

## Axial Ventilatoren Axial Fans

Serie RP 4 polig Ø 250-300-350 mm  
Serie RP 4 Poles Ø 250-300-350 mm



## Technische Daten Technical Data

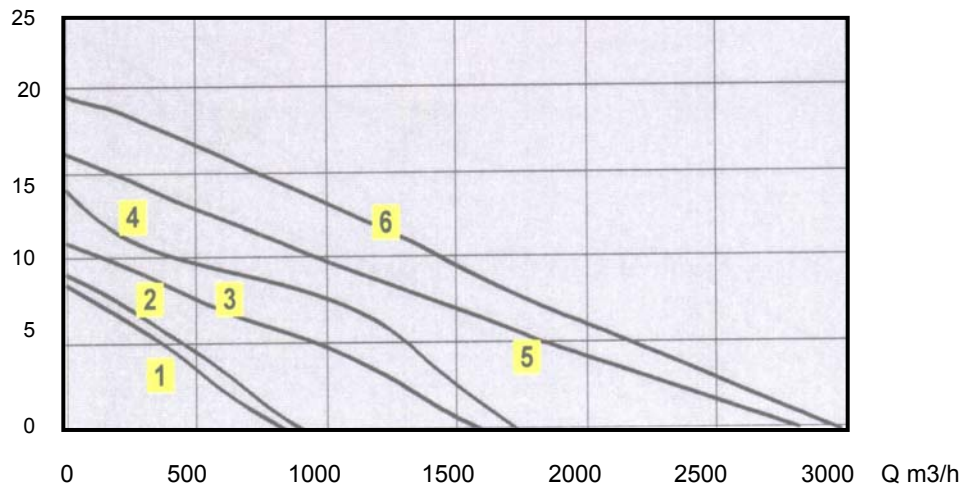
| Type       | Kurven Nr.<br>No curve | Spannung<br>Voltage<br>V | Frequenz<br>Frequency<br>Hz | Kondensator<br>Capacitor<br>µF | Leistungsaufnahme<br>Input<br>W | Stromaufnahme<br>Current<br>A | Luftmenge<br>Air Volume<br>m³/h | Drehzahl<br>Speed<br>rpm | Schallpegel<br>Noise level<br>dBA |
|------------|------------------------|--------------------------|-----------------------------|--------------------------------|---------------------------------|-------------------------------|---------------------------------|--------------------------|-----------------------------------|
| RPM_/250-4 | 1                      | 230                      | 50                          | 2                              | 80                              | 0,40                          | 910                             | 1.400                    | 68                                |
| RPT_/250-4 | 2                      | 230/400                  | 50                          | -                              | 75                              | 0,18                          | 930                             | 1.440                    | 70                                |
| RPM_/300-4 | 3                      | 230                      | 50                          | 2                              | 98                              | 0,45                          | 1.680                           | 1.380                    | 76                                |
| RPT_/300-4 | 4                      | 230/400                  | 50                          | -                              | 85                              | 0,20                          | 1.730                           | 1.400                    | 76                                |
| RPM_/350-4 | 5                      | 230                      | 50                          | 4                              | 135                             | 0,60                          | 2.850                           | 1.420                    | 79                                |
| RPT_/350-4 | 6                      | 230/400                  | 50                          | -                              | 125                             | 0,30                          | 3.100                           | 1.440                    | 79                                |

## Abmessungen (mm) Dimensions (mm)

| A  | B  | C  | D   | E   | F  | G  |
|----|----|----|-----|-----|----|----|
| 67 | 55 | 20 | 250 | 300 | 50 | 25 |
| 67 | 55 | 20 | 250 | 300 | 50 | 25 |
| 67 | 60 | 20 | 300 | 360 | 55 | 25 |
| 67 | 60 | 20 | 300 | 360 | 55 | 25 |
| 95 | 65 | 30 | 350 | 422 | 80 | 15 |
| 95 | 65 | 30 | 350 | 422 | 80 | 15 |

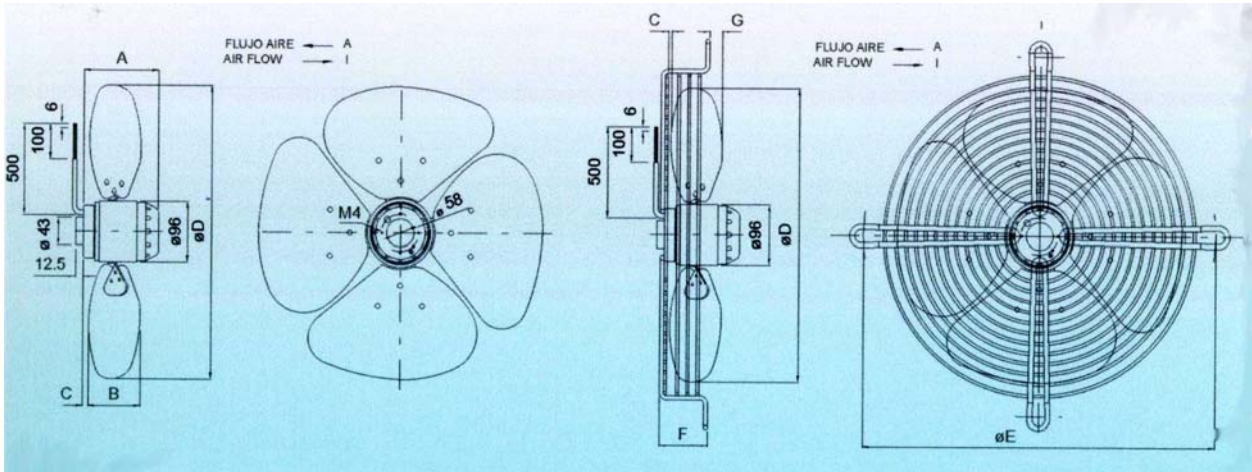
## Leistungskurven Performance Curves

P (mmWS)  
P (mmWG)  
(1mmWS=9.81Pa)



## Axial Ventilatoren Axial Fans

Serie RP 4 polig Ø 400-450 mm  
Serie RP 4 Poles Ø 400-450 mm



### Technische Daten Technical Data

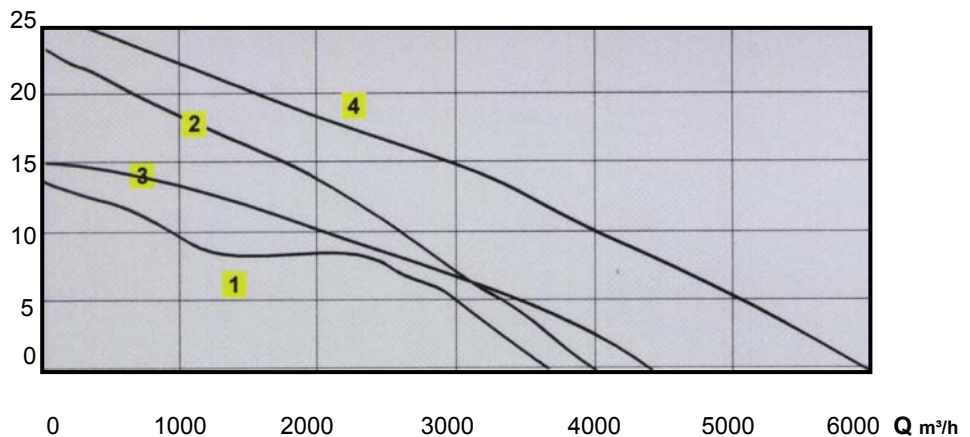
| Typ/Type   | Kurven Nr.<br>No curve | Spannung<br>Voltage | Frequenz<br>Frequency | Kondensator<br>Capacitor | Leistungsaufnahme<br>Input | Stromaufnahme<br>Current | Claudal<br>Air Volume | Drehzahl<br>Speed | Schallpegel<br>Noise level |
|------------|------------------------|---------------------|-----------------------|--------------------------|----------------------------|--------------------------|-----------------------|-------------------|----------------------------|
|            |                        | V                   | Hz                    | µF                       | W                          | A                        | m³/h                  | rpm               | dBA                        |
| RPM_/400-4 | 1                      | 230                 | 50                    | 6                        | 158                        | 0,70                     | 3.800                 | 1.380             | 74                         |
| RPT_/400-4 | 2                      | 230/400             | 50                    | -                        | 165                        | 0,40                     | 3.830                 | 1.400             | 75                         |
| RPM_/450-4 | 3                      | 230                 | 50                    | 8                        | 225                        | 1,00                     | 5600                  | 1.390             | 75                         |
| RPT_/450-4 | 4                      | 230/400             | 50                    | -                        | 250                        | 0,60                     | 5850                  | 1.430             | 76                         |

### Abmessungen (mm) Dimensions (mm)

| A   | B   | C  | D   | E   | F  | G  |
|-----|-----|----|-----|-----|----|----|
| 102 | 110 | 30 | 400 | 508 | 75 | 65 |
| 102 | 110 | 30 | 400 | 508 | 75 | 65 |
| 120 | 115 | 40 | 450 | 534 | 75 | 80 |
| 120 | 115 | 40 | 450 | 534 | 75 | 80 |

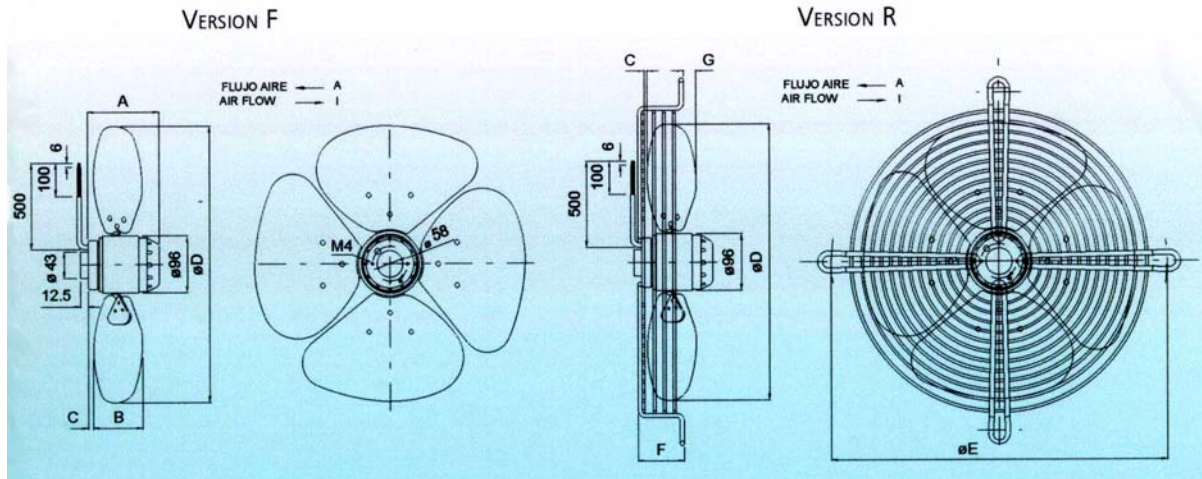
### Leistungskurven Performance Curves

P (mmWS)  
P (mmWG)  
(1mmWS=9.81Pa)



# Axial Ventilatoren Axial Fans

Serie RP 6 polig Ø 450 - 500 mm  
Serie RP 6 Poles Ø 450 – 500 mm



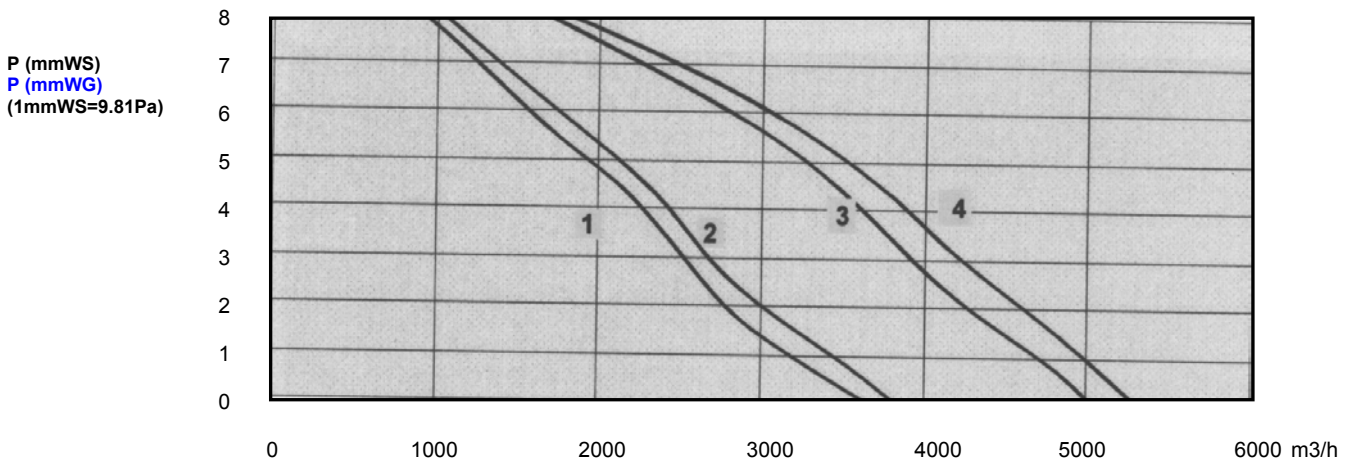
## Technische Daten Technical Data

| Type       | Kurven Nr.<br>No curve | Spannung<br>Voltage | Frequenz<br>Frequency | Kondensator<br>Capacitor | Leistungsaufnahme<br>Input | Stromaufnahme<br>Current | Luftmenge<br>Air Volume | Drehzahl<br>Speed | Schallpegel<br>Noise level |
|------------|------------------------|---------------------|-----------------------|--------------------------|----------------------------|--------------------------|-------------------------|-------------------|----------------------------|
|            |                        | V                   | Hz                    | µF                       | W                          | A                        | m³/h                    | rpm               | dBA                        |
| RPM_/450-6 | 1                      | 230                 | 50                    | 6                        | 135                        | 0,60                     | 3.800                   | 940               | 68                         |
| RPT_/450-6 | 2                      | 230/400             | 50                    | -                        | 145                        | 0,35                     | 3.900                   | 970               | 70                         |
| RPM_/500-6 | 3                      | 230                 | 50                    | 8                        | 150                        | 0,70                     | 5200                    | 950               | 66                         |
| RPT_/500-6 | 4                      | 230/400             | 50                    |                          | 175                        | 0,45                     | 5350                    | 970               | 68                         |

## Abmessungen (mm) Dimensions (mm)

| A   | B   | C  | D   | E   | F  | G  |
|-----|-----|----|-----|-----|----|----|
| 120 | 115 | 40 | 450 | 534 | 75 | 80 |
| 120 | 115 | 40 | 450 | 534 | 75 | 80 |
| 120 | 127 | 19 | 500 | 588 | 80 | 66 |
| 120 | 127 | 19 | 500 | 588 | 80 | 66 |

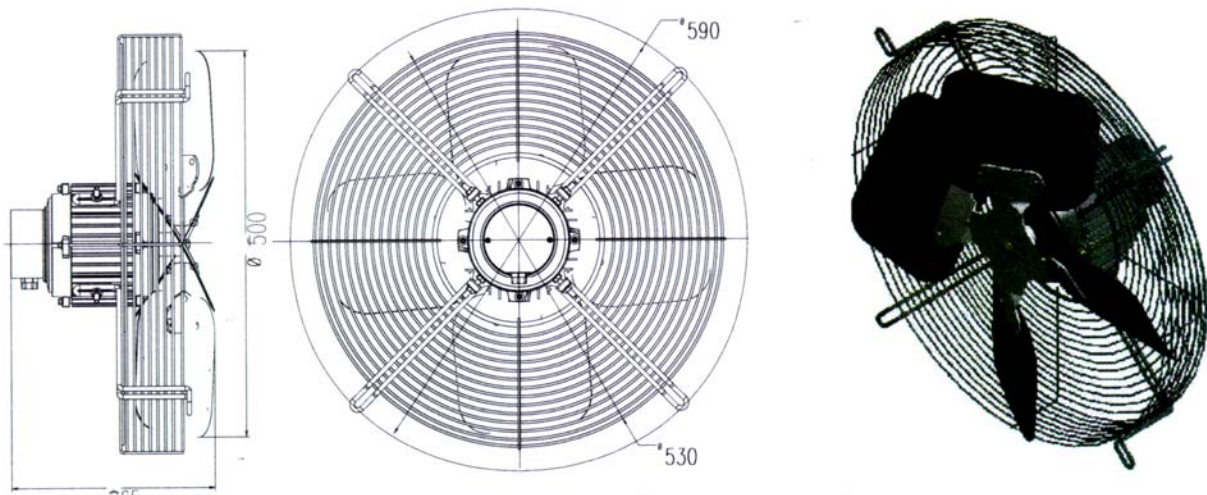
## Leistungskurven Performance Curves



**Axialventilatoren**  
**Axial Fans**

Serie IR 4-polig 4 Flügel- ø 500 mm

Serie IR 4 Pole 4 Blades- ø 500 mm

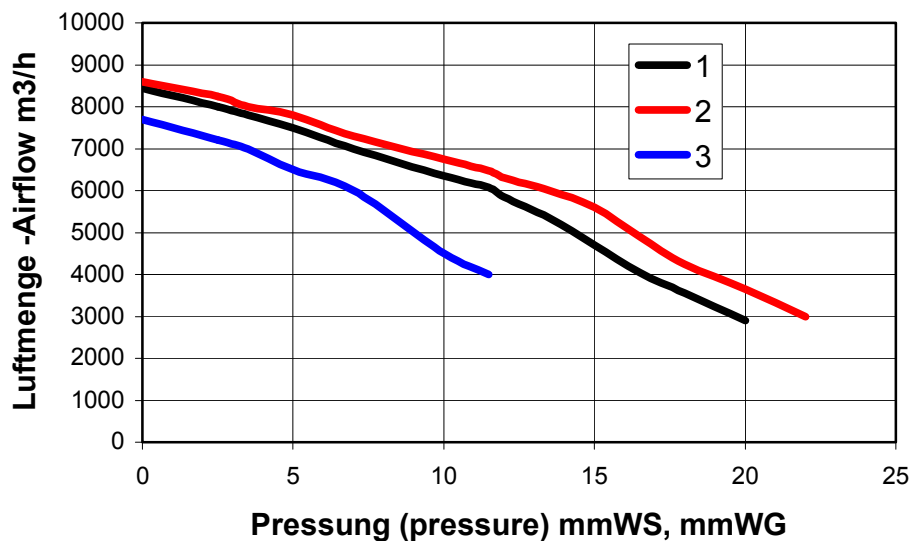


**Technische Daten**  
**Technical Data**

| Modell/Type                | Kurve Nr.<br>No. curve | Spannung<br>Voltage<br>V | Frequenz<br>Frequency<br>Hz | E- Kondensator<br>Capacitor<br>mfd | Leistungsaufn<br>Input<br>W | Stromaufn<br>Current<br>A | Luftmenge<br>Air Volume<br>m³/h | Drehzahl<br>Speed<br>min-1 | Schallpegel<br>Noise Level<br>dBA |
|----------------------------|------------------------|--------------------------|-----------------------------|------------------------------------|-----------------------------|---------------------------|---------------------------------|----------------------------|-----------------------------------|
| M/500 4                    | 1                      | 230                      | 50                          | 10                                 | 570                         | 2,48                      | 8500                            | 1300                       | 79                                |
| T/500-4                    | 2                      | 230/400                  | 50                          | -                                  | 525                         | 1,40                      | 8700                            | 1405                       | 80                                |
| T/500-4 1 <sup>st</sup> VE | 2                      | 400                      | 50                          | -                                  | 525                         | 1,40                      | 8700                            | 1405                       | 80                                |
| T500-4 2 <sup>nd</sup> VE  | 3                      | 400                      | 50                          | -                                  | 410                         | 1,22                      | 7600                            | 1220                       | 77                                |

**Leistungskurven**  
**Performance Curves**

mmWS  
mmWG  
1 mmWS=9,81Pa



**Axialventilatoren**  
**Axial Fans**

Serie IR 4- polig- 6 Blatt- Ø 500 mm  
Serie IR 4 Poles- 6 Blades- Ø 500 mm

**500 mm mit 6 Blättern**  
**500 mm in 6 Blades**

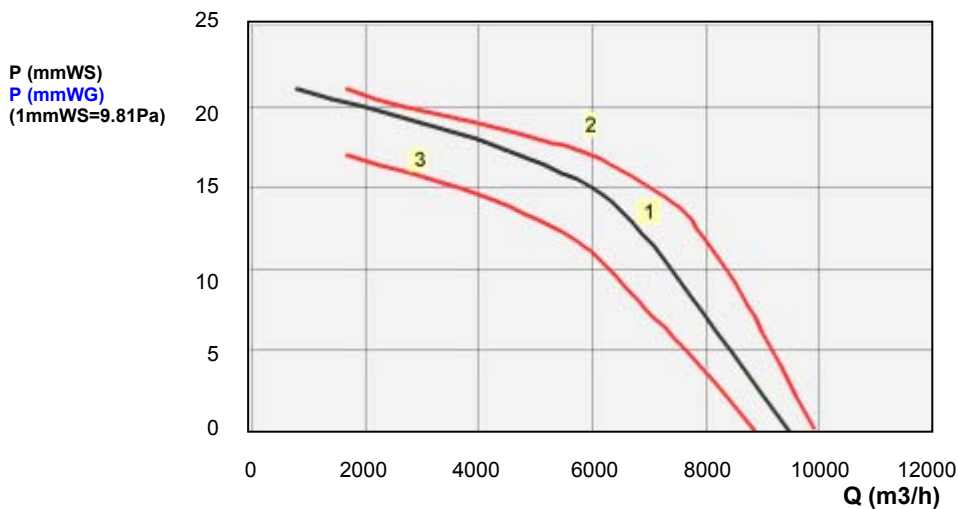


**Reduzierter  
Schallpegel  
Durch 6 Blatt  
Ausführung**

**Technische Daten**  
**Technical Data**

| Modell/Type                 | Kurven Nr.<br>No. Curve | Spannung<br>Voltage<br>V | Frequenz<br>Frequency<br>Hz | E-Kondensator<br>Capacitor<br>µF | Leistungsaufnahme<br>Input<br>W | Stromaufnahme<br>Current<br>A | Luftmenge<br>Air Volume<br>m³/h | Drehzahl<br>Speed<br>rpm | Schallpegel<br>Noise Level<br>dBA |
|-----------------------------|-------------------------|--------------------------|-----------------------------|----------------------------------|---------------------------------|-------------------------------|---------------------------------|--------------------------|-----------------------------------|
| M/500-4                     | 1                       | 230                      | 50                          | 10                               | 700                             | 3,00                          | 9.700                           | 1.400                    | 77                                |
| T/500-4                     | 2                       | 230/400                  | 50                          | -                                | 600                             | 1,50                          | 9.900                           | 1.405                    | 78                                |
| T/500-4- 1st VE             | 2                       | 400                      | 50                          | -                                | 600                             | 1,50                          | 9.900                           | 1.405                    | 78                                |
| T/500-4- 2 <sup>nd</sup> VE | 3                       | 400                      | 50                          | -                                | 450                             | 1,30                          | 8.721                           | 1.220                    | 75                                |

**Leistungskurven**  
**Performance Curves**



**Axialventilatoren**  
**Axial Fans**

Serie IR, 6 polig, Flügel Ø 630 mm  
Serie IR 6 Poles Blades Ø 630mm

**630 mm Flügel mit 6 Blättern**  
**630 mm in 6 blades**



**Technische Daten**  
**Technical Data**

| Type           | Kurven Nr.<br>No. Curve | Spannung<br>Voltage | Frequenz<br>Frequency | E- Kondensator<br>Capacitor | Leistungsaufnahme<br>Input | Stromaufnahme<br>Current | Luftmenge<br>Air Volume | Drehzahl<br>Speed | Schallpegel<br>Noise Level |
|----------------|-------------------------|---------------------|-----------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-------------------|----------------------------|
|                |                         | V                   | Hz                    | µF                          | W                          | A                        | m³/h                    | rpm               | dBA                        |
| T/630-6-1st VE | 1                       | 400                 | 50                    | -                           | 1000                       | 3,10                     | 14000                   | 850               | 75                         |
| T/630-6-2nd VE | 2                       | 400                 | 50                    | -                           | 500                        | 2,60                     | 8700                    | 510               | 73                         |

**Leistungskurven**  
**Performance Curves**

