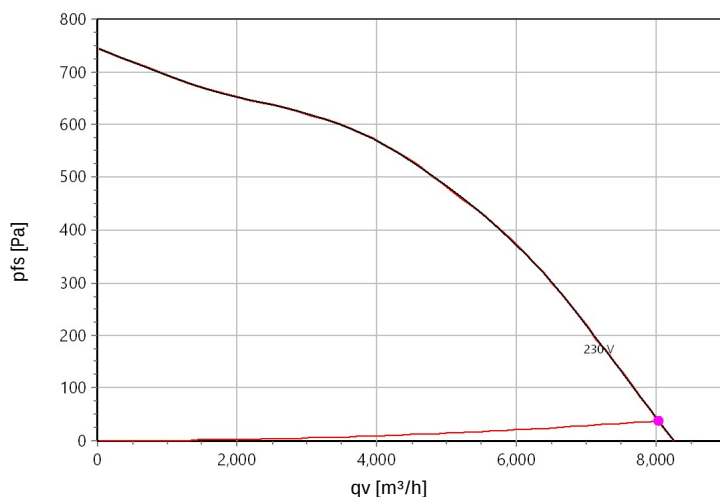


Type: **DHE 500-4 E.6HF**

Art.-No.: **A43-50000**



## Curve:



p: 1.15 kg/m³

## Operating Point:

|                       |      |       |
|-----------------------|------|-------|
| q <sub>v</sub>        | 8035 | m³/h  |
| p <sub>fs</sub>       | 38   | Pa    |
| p <sub>fd</sub>       | 10   | Pa    |
| η <sub>e,fs</sub>     | 8    | %     |
| η <sub>e,tot</sub>    | 9    | %     |
| P <sub>e</sub>        | 1.18 | kW    |
| I                     | 5.2  | A     |
| n                     | 1422 | r/min |
| L <sub>WA A,OUT</sub> | 83   | dB(A) |
| U                     | 230  | V     |
| v                     | 3.97 | m/s   |
| SFP                   | 529  | Ws/m³ |
| FEI                   | 0.61 |       |

## ErP-Data:

| (EU) Nr. 1253/2014      |      | (Lot6) |
|-------------------------|------|--------|
| q <sub>v</sub>          | 5004 | m³/h   |
| p <sub>fs</sub>         | 482  | Pa     |
| η <sub>e,fs</sub>       | 46.1 | %      |
| P <sub>e</sub>          | 1.45 | kW     |
| n                       | 1392 | r/min  |
| N                       | 44   |        |
| v                       | 2.47 | m/s    |
| η <sub>e,fs</sub> Lot11 | 53.6 | %      |

## Set point:

|                 |      |      |
|-----------------|------|------|
| q <sub>v</sub>  | 8065 | m³/h |
| p <sub>fs</sub> | 37.8 | Pa   |

## Nominal Data:

ΔI 39 %

| U [V] | f [Hz] | C [μF] | P <sub>e</sub> [kW] | I <sub>N</sub> [A] | n <sub>N</sub> [r/min] | t <sub>R</sub> [°C] | k <sub>10</sub> [m²/s/h] | I <sub>A</sub> / I <sub>N</sub> | IP    | m [kg] |
|-------|--------|--------|---------------------|--------------------|------------------------|---------------------|--------------------------|---------------------------------|-------|--------|
| 1~230 | 50     | 30     | 1.45                | 6.45               | 1390                   | -25 .. +40          | -                        | 3.4                             | IP 54 | 41     |

## Sound Data:

| Frequency                      | Σ  | 63Hz | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz | Distances                      | 1 m | 4 m |
|--------------------------------|----|------|-------|-------|-------|------|------|------|------|--------------------------------|-----|-----|
| L <sub>WA(A,in)</sub> [dB(A)]  | 77 | 47   | 62    | 69    | 71    | 71   | 70   | 66   | 61   | L <sub>pA(A,in)</sub> [dB(A)]  | 70  | 59  |
| L <sub>WA(A,out)</sub> [dB(A)] | 83 | 48   | 68    | 74    | 78    | 79   | 73   | 67   | 61   | L <sub>pA(A,out)</sub> [dB(A)] | 76  | 65  |

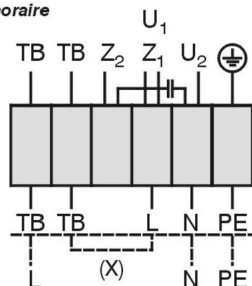
## Wiring Diagram:

Einphasenwechselstrommotor mit Betriebskondensator und Thermostatschalter. Bei Verwendung von RE Steuergeräten TB mit der Wicklung in Reihe schalten. Hierfür Brücke (x) einlegen und gestrichelt gezeichnete Anschlüsse belegen.

Single phase A.C. motor with operating capacitor and thermostatic switch. Thermostatic switch wired in series with windings if RE controllers are used. Insert bridge (x) and wire connections shown as dash-line on the drawing.

Moteur monophasé avec condensateur permanent et interrupteur thermostatique branché en série avec le bobinage en cas de branchement avec des régulateurs RE. Mettre un pont (x) et brancher toutes les connexions dessinées en hachuré.

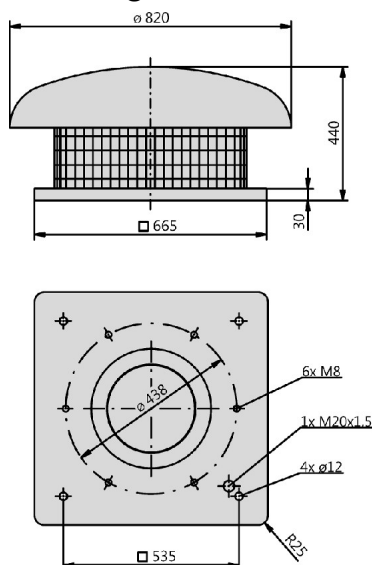
Rechtslauf  
clockwise  
rotation horaire

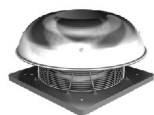


U<sub>1</sub> braun / brown / brun  
U<sub>2</sub> blau / blue / bleu  
Z<sub>1</sub> schwarz / black / noir  
Z<sub>2</sub> orange / orange / orange  
  
TB weiß / white / blanc  
PE gelb-grün / yellow-green / jaune-vert

01.024

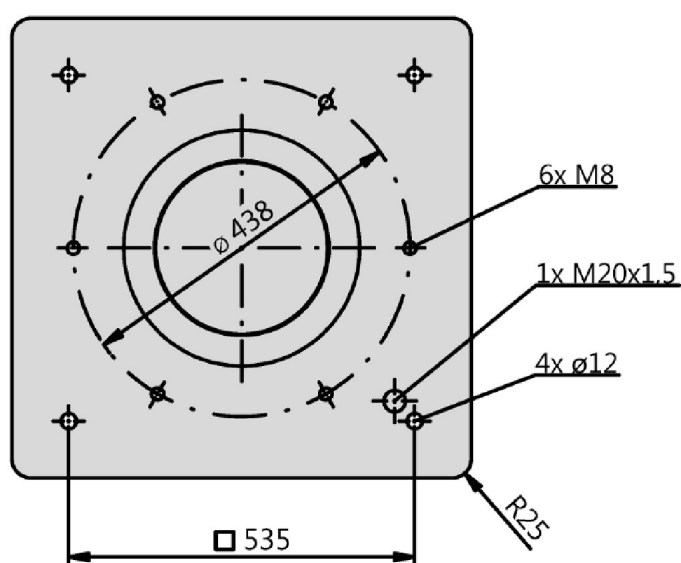
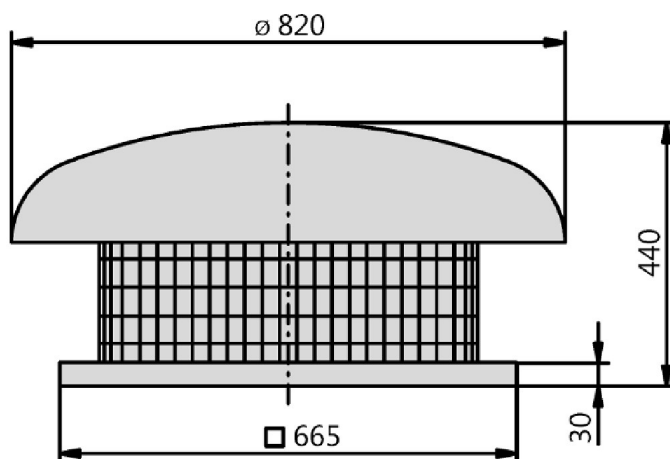
## Drawing:

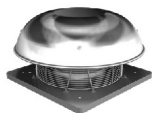




Type: **DHE 500-4 E.6HF**

Art.-No.: A43-50000





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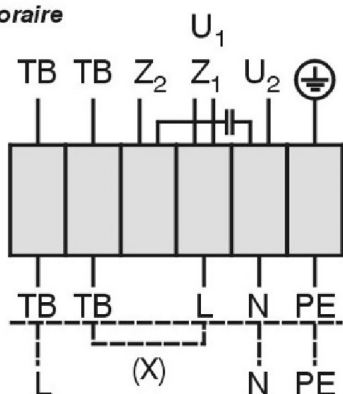


Einphasenwechselstrommotor mit Betriebskondensator und Thermostatschalter.  
 Bei Verwendung von RE Steuergeräten TB mit der Wicklung in Reihe schalten.  
 Hierfür Brücke (x) einlegen und gestrichelt gezeichnete Anschlüsse belegen.

**Single phase A.C. motor with operating capacitor and thermostatic switch.**  
**Thermostatic switch wired in series with windings if RE controllers are used.**  
**Insert bridge (x) and wire connections shown as dash-line on the drawing.**

**Moteur monophasé avec condensateur permanent et interrupteur thermo-**  
**statique branché en série avec le bobinage en cas de branchement avec des**  
**régulateurs RE. Mettre un pont (x) et brancher toutes les connexions**  
**dessinées en hachuré.**

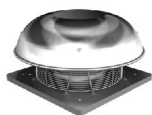
Rechtslauf  
 clockwise  
 rotation horaire



U<sub>1</sub> braun / brown / brun  
 U<sub>2</sub> blau / blue / bleu  
 Z<sub>1</sub> schwarz / black / noir  
 Z<sub>2</sub> orange / orange / orange  
  
 TB weiß / white / blanc  
 PE gelb-grün  
 yellow-green  
 jaune-vert

TK3-20010

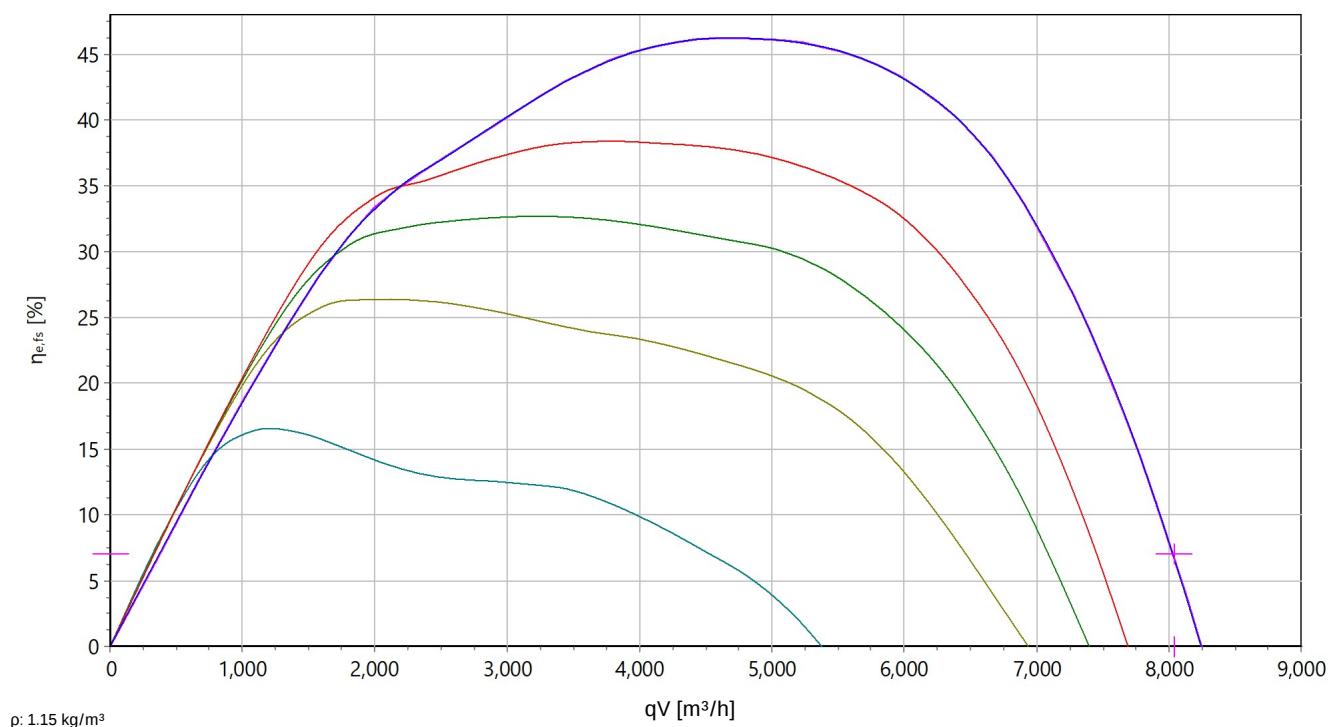
01.024



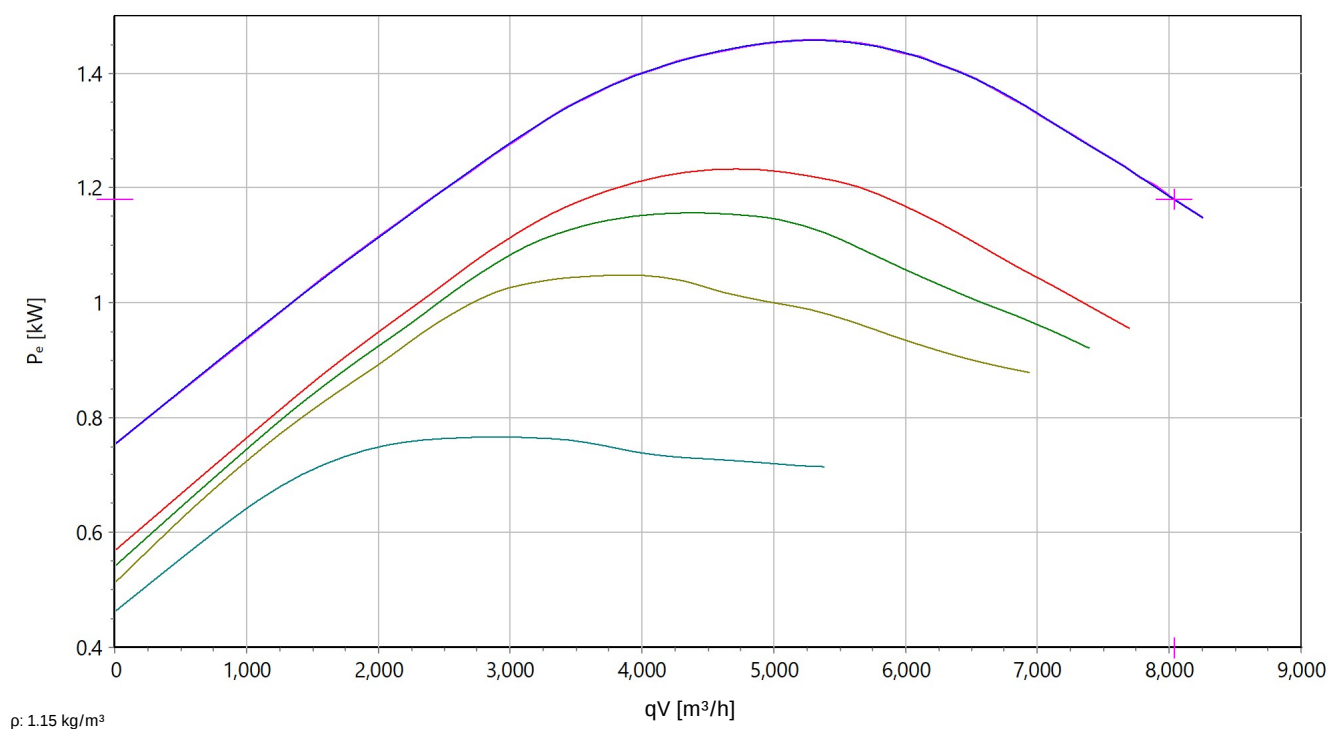
Type: **DHE 500-4 E.6HF**  
 Art.-No.: **A43-50000**

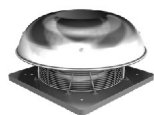


### stat. Efficiency



### Input power





Type: **DHE 500-4 E.6HF**  
 Art.-No.: A43-50000



## Sound power

