



Serie axiale wandventilatoren voorzien van plastic waaiers. Uitgevoerd met een eenfasige motor (HCFB) of driefasige motor (HCFT), IP65 (1), klasse F isolatie (2), uitgerust met thermische beveiliging (3).

(1) Ø 800, 900 en 1000 modellen zijn IP55.

(2) Bedrijfstemperaturen van -40 °C tot 70 °C. Behalve modellen 4-710 geschikt voor gebruik in omgevingen tot +55°C en Ø 800 tot 1000 geschikt voor gebruik in omgevingen van -20 °C tot 40 °C.

(3) Behalve modellen 800 tot 1000.

#### Motoren

Afhankelijk van het beschikbare model met een- of driefasige motoren met 2, 4 of 6 polen. Bij alle motoren kan de snelheid worden gereguleerd door een transformator, behalve bij 2-polige en /4-630, 710, T/800, T/900 en T/1000. Bij driefasige modellen kan de snelheid worden geregeld door een frequentieregelaar.

Elektrische voeding:

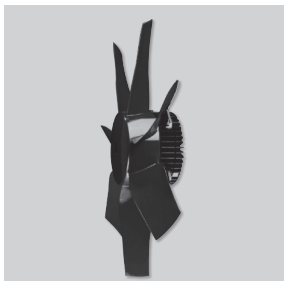
- Eenfasige 230 V-50Hz.  
[Condensator zit in aansluitdoos voor bedrading].
- Driefasige 230/400 V-50Hz of 400 V-50Hz.  
[Zie kaart met gegevens].

#### Op aanvraag:

Beschermend aanzuigrooster voor modellen Ø 800 tot 1000.



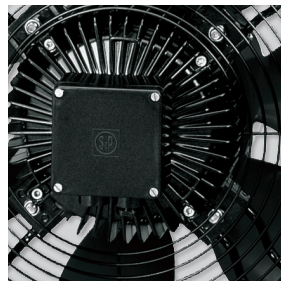
BESCHERMING



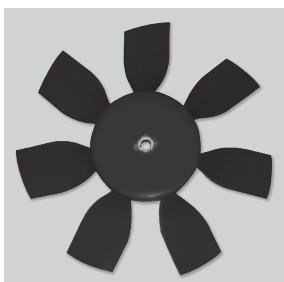
**Compact design.** Motor waaier combinatie



**Corrosiebestendigheid!**  
Montageplaat, motorsteun en beschermrooster, beschermd door kataforese grondlaag. Afwerking met zwarte polyester verflaag. Roestvrij stalen schroeven.



**Brandwerende aansluitdoos**  
Aansluitdoos met wartel PG-11.



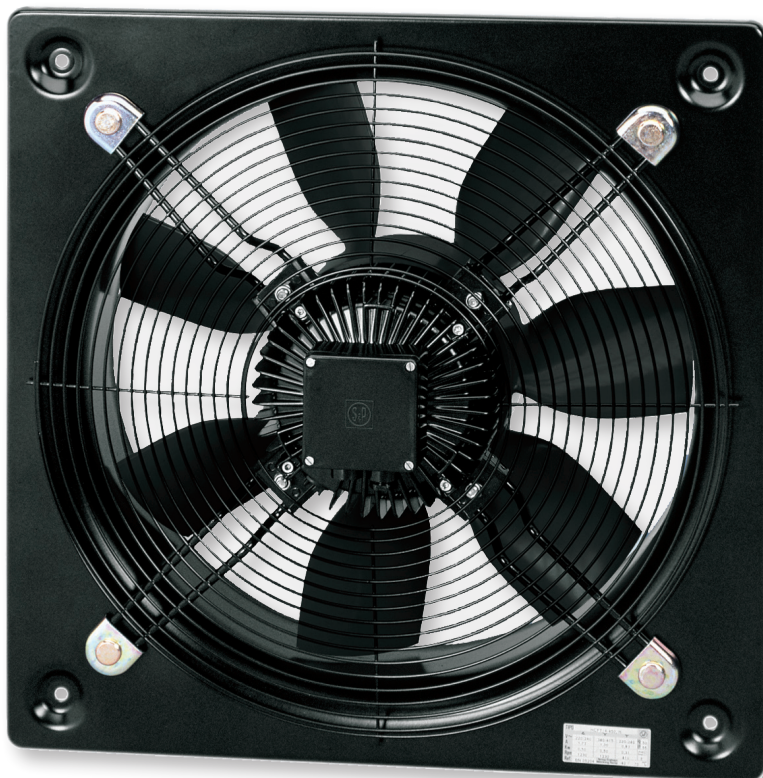
**Waaier dynamisch uitgebalanceerd** conform de ISO 1940 norm, waardoor deze trillingsvrij werken



**Groter diversiteit in waaiers.**  
Afhankelijk van de toepassing.



**Configuratie voor modellen Ø 800 tot 1000**  
Speciaal design van motor boven waaier, wat zorgt voor compactheid (IP55).



BESCHERMING

**Specifieke toepassingen**



Versies

Serie axiale wandventilatoren voorzien van aluminium waaiers en eenfasige motor (HCBB) of driefasige motor (HCBT), IP65 (1), klasse F isolatie (2), uitgerust met thermische beveiliging (3).

(1) Ø 800, 900 en 1000 modellen zijn IP55.

(2) Bedrijfstemperaturen van -40 °C tot 70 °C.

Behalve de modellen 4-710 geschikt voor gebruik in omgevingen tot +55°C en Ø 800, 900 en 1000 geschikt voor gebruik in omgevingen van -20 °C tot +40 °C.

(3) Behalve modellen 800 tot 1000.

#### Motoren

Afhankelijk van het model beschikbaar met een- of driefasige motoren met 4 of 6 polen. Bij alle motoren kan de snelheid worden gereguleerd door een transformator, behalve bij /4-630, B/710, T/4-710, T/800, T/900 en T/1000. Bij driefasige modellen kan de snelheid worden geregeld door een frequentieregelaar.

Elektrische voeding:

Eenfasige 230 V-50 Hz.

(Condensator zit in aansluitdoos voor bedrading).

Driefasige 230/400 V-50 Hz of 400 V-50 Hz.

(Zie kaart met gegevens).

#### Aanvullende informatie

Standaard richting lucht: formulier (A) configuratie. (Motor boven waaier).

#### Op aanvraag

Beschermend aanzuigrooster voor modellen Ø 800 tot 1000.

#### HCBT ATEX Versies

Op verzoek, explosieveilige versies conform ATEX norm, 3 fase modellen:

- Motoren IP55, Klasse F.

- ATEX vlamproef-gas

De standaardversie van de vuurvaste ATEX motor is niet voorzien van thermische beveiligingen.

In geval van gebruik met een frequentieomvormer moet een vuurvaste motor met een thermische beveiliging van het PTC-type worden besteld

Voor de modellen 800 tot 1000

⊗ II 2G Ex d IBB T4

⊗ II 2G Ex d IIB H2+T4 (met Ex d IIC T4)

- ATEX verhoogde veiligheid- gas

Behalve de modellen HCBT/ 4-250, HCBT/ 6-355, HCBT/ 6-400

Verkrijgbaar model HCBT/ 6-400 met 230/400 V motor

Verkrijgbaar modellen tot to HCBT-1000

⊗ II 2G Ex e II T3

- ATEX - Dust

De standaardversie van de ATEX motor voor stof is niet voorzien van thermische beveiligingen.

In geval van gebruik met een frequentieomvormer moet een ATEX motor voor stof met een thermische beveiliging van het PTC-type worden besteld

Voor de modellen 800 tot 1000

Brandbare stofdeeltjes en geleidende stof:

⊗ II 3D Ex tc IIIB T125°C

Geleidende stof:

⊗ II 3D Ex tc IIIC T125°C (met IP65 motor)

Bedrijfstemperaturen van ATEX versies:

Van -20 °C tot +55 °C:

modellen HCBT/4-315 tot HCBT/4-710

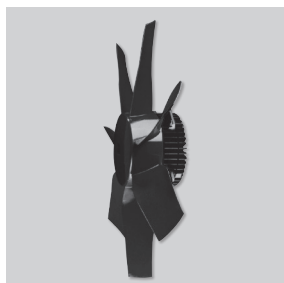
modellen HCBT/6-450 tot HCBT 6-710

- Van -20 °C tot +40 °C:

model HCBT/4-800 tot 1000

model HCBT/6-800 tot 1000

Voor selectie van HCBT ATEX raadpleeg Easyvent. Opm. De elektrische gegevens kunnen afwijken bij ATEX motoren.

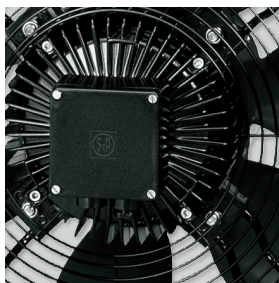


**Compact design Motor waaier combinatie**



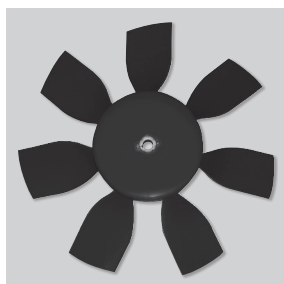
#### Corrosiebestendigheid

Montageplaat, motorsteun en beschermrooster, beschermd door kataforese grondlaag  
 Afwerking met zwarte polyester verflaag. Roestvrij stalen schroeven.



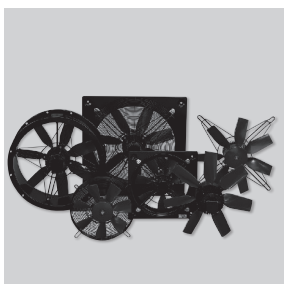
#### Brandwerende aansluitdoos

Aansluitdoos met wartel PG-11.



#### Waaier dynamisch uitgebalanceerd

Waaiers zijn dynamisch uitgebalanceerd, conform de ISO 1940 norm, waardoor deze trillingsvrij werken.



#### Groter diversiteit in waaiers. Afhankelijk van de toepassing.



#### Configuratie voor modellen Ø 800 tot 1000

Speciaal design van motor boven waaier, wat zorgt voor compactheid (IP55).



## TECHNISCHE GEGEVENS MET KUNSTSTOF WAAIERS (HCGB, HCFB, HCGT & HCFT) MET ALUMINIUM WAAIERS

Controleer vóór het tot stand brengen van een elektrische aansluiting of de spanning en de frequentie van het lichtnet overeenkomen met de technische gegevens op het typeplaatje.

| Model | Toerental<br>(r.p.m.) | Diameter<br>(mm) | Maximaal<br>opgenomen<br>vermogen<br>(W) | Maximale stroom<br>(A) |       | Geluids-<br>druk<br>(dB(A)) | Maximale<br>capaciteit<br>(m³/h) | Gewicht<br>(Kg) | Snelheidsregelaar |        | Frequentieregelaar |
|-------|-----------------------|------------------|------------------------------------------|------------------------|-------|-----------------------------|----------------------------------|-----------------|-------------------|--------|--------------------|
|       |                       |                  |                                          | 230 V                  | 400 V |                             |                                  |                 | REB               | SPTM** | FI                 |

### ENKELFASIG 2 POLEN

|              |      |     |     |     |   |    |       |   |   |   |   |
|--------------|------|-----|-----|-----|---|----|-------|---|---|---|---|
| HCGB/2-315/I | 2690 | 315 | 336 | 1,5 | – | 63 | 3.150 | 7 | – | – | – |
| HCGB/2-355/I | 2730 | 355 | 392 | 1,7 | – | 68 | 3.550 | 8 | – | – | – |

### ENKELFASIG 4 POLEN

|              |      |     |      |     |   |    |        |    |         |   |   |
|--------------|------|-----|------|-----|---|----|--------|----|---------|---|---|
| HCFB/4-250/H | 1380 | 250 | 77   | 0,3 | – | 49 | 1.090  | 5  | REB-1   | – | – |
| HCFB/4-315/H | 1340 | 315 | 125  | 0,6 | – | 55 | 2.220  | 7  | REB-1   | – | – |
| HCFB/4-355/H | 1415 | 355 | 168  | 0,7 | – | 59 | 3.470  | 8  | REB-2,5 | – | – |
| HCFB/4-400/H | 1420 | 400 | 271  | 1,2 | – | 62 | 4.920  | 9  | REB-2,5 | – | – |
| HCFB/4-450/H | 1380 | 450 | 471  | 2,0 | – | 65 | 6.830  | 13 | REB-2,5 | – | – |
| HCFB/4-500/H | 1400 | 500 | 671  | 2,9 | – | 68 | 9.140  | 16 | REB-5   | – | – |
| HCFB/4-560/H | 1410 | 560 | 1102 | 4,7 | – | 70 | 12.980 | 22 | –       | – | – |
| HCFB/4-630/H | 1380 | 630 | 1573 | 7,1 | – | 73 | 17.230 | 25 | –       | – | – |

### ENKELFASIG 6 POLEN

|              |     |     |     |     |   |    |        |    |         |   |   |
|--------------|-----|-----|-----|-----|---|----|--------|----|---------|---|---|
| HCFB/6-315/H | 990 | 315 | 80  | 0,4 | – | 45 | 1.620  | 7  | REB-1   | – | – |
| HCFB/6-355/H | 920 | 355 | 81  | 0,4 | – | 48 | 2.250  | 8  | REB-1   | – | – |
| HCFB/6-400/H | 885 | 400 | 100 | 0,4 | – | 51 | 2.980  | 9  | REB-1   | – | – |
| HCFB/6-450/H | 920 | 450 | 103 | 0,7 | – | 54 | 3.510  | 13 | REB-2,5 | – | – |
| HCFB/6-500/H | 920 | 500 | 224 | 1,0 | – | 57 | 6.030  | 16 | REB-2,5 | – | – |
| HCFB/6-560/H | 905 | 560 | 321 | 1,3 | – | 59 | 8.180  | 22 | REB-2,5 | – | – |
| HCFB/6-630/H | 915 | 630 | 469 | 2,0 | – | 62 | 11.000 | 25 | REB-5   | – | – |

### DRIEFASIG 2 POLEN

|              |      |     |     |      |      |    |       |   |   |   |                |
|--------------|------|-----|-----|------|------|----|-------|---|---|---|----------------|
| HCGT/2-315/L | 2630 | 315 | 461 | 1,4  | 0,81 | 68 | 3.790 | 7 | – | – | FI 0,75kW 2,2A |
| HCGT/2-355/I | 2570 | 355 | 497 | 1,46 | 0,85 | 71 | 4.490 | 8 | – | – | FI 0,75kW 2,2A |

### DRIEFASIG 4 POLEN

|                     |      |      |      |      |      |    |        |     |   |          |                |
|---------------------|------|------|------|------|------|----|--------|-----|---|----------|----------------|
| HCFT/4-250/H        | 1365 | 250  | 73   | 0,3  | 0,2  | 49 | 1.110  | 5   | – | SPTM 3-3 | FI 0,75kW 2,2A |
| HCFT/4-315/H        | 1340 | 315  | 124  | 0,5  | 0,3  | 55 | 2.170  | 7   | – | SPTM 3-3 | FI 0,75kW 2,2A |
| HCFT/4-355/H        | 1385 | 355  | 171  | 0,9  | 0,5  | 59 | 3.550  | 8   | – | SPTM 3-3 | FI 0,75kW 2,2A |
| HCFT/4-400/H        | 1370 | 400  | 250  | 1,0  | 0,6  | 62 | 4.790  | 9   | – | SPTM 3-3 | FI 0,75kW 2,2A |
| HCFT/4-450/H        | 1380 | 450  | 449  | 1,4  | 0,8  | 65 | 6.640  | 13  | – | SPTM 3-3 | FI 0,75kW 2,2A |
| HCFT/4-500/H        | 1460 | 500  | 767  | 3,5  | 2,0  | 68 | 9.750  | 16  | – | SPTM 3-3 | FI 0,75kW 2,2A |
| HCFT/4-560/H        | 1390 | 560  | 1051 | 3,8  | 2,2  | 70 | 12.500 | 22  | – | SPTM 3-5 | FI 0,75kW 2,2A |
| HCFT/4-630/H        | 1425 | 630  | 1582 | 5,0  | 2,9  | 73 | 17.900 | 25  | – | –        | FI 1,5kW 4,1A  |
| HCFT/4-710/H        | 1375 | 710  | 2413 | 7,4  | 4,3  | 74 | 22.140 | 27  | – | –        | FI 2,2kW 5,8A  |
| HCFT/4-800/L-X-1,5  | 1420 | 800  | 2308 | 6,6  | 3,8  | 78 | 22.780 | 37  | – | –        | FI 1,5kW 4,1A  |
| HCFT/4-800/H-X-3    | 1450 | 800  | 4344 | 12,5 | 7,2  | 84 | 33.410 | 52  | – | –        | FI 4,0kW 9,5A  |
| HCFT/4-900/L-X-3    | 1460 | 900  | 3845 | 11,3 | 6,5  | 82 | 25.550 | 61  | – | –        | FI 4,0kW 9,5A  |
| HCFT/4-900/H-X-5,5  | 1460 | 900  | 7090 |      | 12,3 | 87 | 45.550 | 95  | – | –        | FI 5,5kW 14A   |
| HCFT/4-1000/L-X-3   | 1440 | 1000 | 5098 | 14,2 | 8,2  | 86 | 38.800 | 67  | – | –        | FI 4,0kW 9,5A  |
| HCFT/4-1000/H-X-7,5 | 1470 | 1000 | 8228 |      | 13,7 | 93 | 53.000 | 100 | – | –        | FI 7,5kW 18A   |

### DRIEFASIG 6 POLEN

|                     |     |      |      |     |     |    |        |    |   |          |                |
|---------------------|-----|------|------|-----|-----|----|--------|----|---|----------|----------------|
| HCFT/6-355/H        | 925 | 355  | 83   | 0,3 | 0,2 | 48 | 2.260  | 8  | – | SPTM 3-3 | FI 0,75kW 2,2A |
| HCFT/6-400/H        | 880 | 400  | 107  | 0,5 | 0,3 | 51 | 3.070  | 9  | – | SPTM 3-3 | FI 0,75kW 2,2A |
| HCFT/6-450/H        | 910 | 450  | 146  | 0,5 | 0,3 | 54 | 4.440  | 13 | – | SPTM 3-3 | FI 0,75kW 2,2A |
| HCFT/6-500/H        | 920 | 500  | 240  | 1,0 | 0,6 | 57 | 6.350  | 16 | – | SPTM 3-3 | FI 0,75kW 2,2A |
| HCFT/6-560/H        | 925 | 560  | 337  | 1,2 | 0,7 | 59 | 8.320  | 22 | – | SPTM 3-3 | FI 0,75kW 2,2A |
| HCFT/6-630/H        | 920 | 630  | 534  | 2,1 | 1,2 | 62 | 11.400 | 25 | – | SPTM 3-3 | FI 0,75kW 2,2A |
| HCFT/6-710/H        | 955 | 710  | 888  | 4,5 | 2,6 | 65 | 16.260 | 27 | – | SPTM 3-5 | FI 1,5kW 4,1A  |
| HCFT/6-800/L-X-0,55 | 940 | 800  | 1042 | 3,5 | 2,0 | 73 | 18.310 | 31 | – | –        | FI 1,5kW 4,1A  |
| HCFT/6-800/H-X-0,75 | 945 | 800  | 1160 | 3,8 | 2,2 | 75 | 19.960 | 36 | – | –        | FI 1,5kW 4,1A  |
| HCFT/6-900/L-X-1,1  | 965 | 900  | 1266 | 4,7 | 2,7 | 74 | 23.160 | 53 | – | –        | FI 1,5kW 4,1A  |
| HCFT/6-900/H-X-1,5  | 955 | 900  | 2202 | 7,1 | 4,1 | 78 | 31.720 | 56 | – | –        | FI 1,5kW 4,1A  |
| HCFT/6-1000/L-X-1,1 | 940 | 1000 | 1749 | 5,7 | 3,3 | 79 | 28.970 | 54 | – | –        | FI 1,5kW 4,1A  |
| HCFT/6-1000/H-X-1,5 | 945 | 1000 | 2627 | 8,1 | 4,7 | 84 | 37.980 | 59 | – | –        | FI 2,2kW 5,8A  |

\* Geluidsdruk gemeten in vrije veld condities, op een afstand equivalent aan 3 maal de diameter van de waaier, met een minimum van 1,5 meter.

\*\* De driefaseregelers (SPTM) of frequency regelaar (VFKB / VFTM) worden aanbevolen bij 400 V

### TECHNISCHE GEGEVENS MET KUNSTSTOF WAAIERS (HCBG, HCFB, HCGT & HCFT)

Controleer vóór het tot stand brengen van een elektrische aansluiting of de spanning en de frequentie van het lichtnet overeenkomen met de technische gegevens op het typeplaatje.

| Model               | Toerental<br>(r.p.m.) | Diameter<br>(mm) | Maximaal<br>opgeno-<br>men<br>vermogen<br>(W) | Maximale<br>stroom<br>(A) |       | Geluids-<br>druk<br>(dB(A)) | Maximale<br>capaciteit<br>(m³/h) | Gewicht<br>(Kg) | Snelheidsregelaar |          | Frequentieregelaar |
|---------------------|-----------------------|------------------|-----------------------------------------------|---------------------------|-------|-----------------------------|----------------------------------|-----------------|-------------------|----------|--------------------|
|                     |                       |                  |                                               | 230 V                     | 400 V |                             |                                  |                 | REB               | SPTM**   | FI                 |
| ENKELFASIG 4 POLEN  |                       |                  |                                               |                           |       |                             |                                  |                 |                   |          |                    |
| HCBB/4-250/H        | 1325                  | 250              | 84                                            | 0,4                       | –     | 49                          | 1.130                            | 5               | REB-1             | –        | –                  |
| HCBB/4-315/H        | 1235                  | 315              | 124                                           | 0,7                       | –     | 55                          | 2.220                            | 7               | REB-1             | –        | –                  |
| HCBB/4-355/H        | 1385                  | 355              | 193                                           | 0,9                       | –     | 59                          | 3.590                            | 8               | REB-2,5           | –        | –                  |
| HCBB/4-400/H        | 1360                  | 400              | 315                                           | 1,5                       | –     | 62                          | 4.830                            | 9               | REB-2,5           | –        | –                  |
| HCBB/4-450/H        | 1410                  | 450              | 626                                           | 2,8                       | –     | 65                          | 7.180                            | 13              | REB-5             | –        | –                  |
| HCBB/4-500/H        | 1370                  | 500              | 762                                           | 3,3                       | –     | 68                          | 8.850                            | 16              | REB-5             | –        | –                  |
| HCBB/4-560/H        | 1390                  | 560              | 1433                                          | 6,5                       | –     | 70                          | 13.400                           | 22              | REB-10            | –        | –                  |
| HCBB/4-630/H        | 1360                  | 630              | 1879                                          | 8,3                       | –     | 71                          | 16.720                           | 25              | –                 | –        | –                  |
| ENKELFASIG 6 POLEN  |                       |                  |                                               |                           |       |                             |                                  |                 |                   |          |                    |
| HCBB/6-355/H        | 900                   | 355              | 84                                            | 0,4                       | –     | 48                          | 2.230                            | 8               | REB-1             | –        | –                  |
| HCBB/6-400/H        | 845                   | 400              | 112                                           | 0,5                       | –     | 51                          | 3.010                            | 9               | REB-1             | –        | –                  |
| HCBB/6-450/H        | 935                   | 450              | 191                                           | 0,8                       | –     | 54                          | 4.400                            | 13              | REB-2,5           | –        | –                  |
| HCBB/6-500/H        | 915                   | 500              | 244                                           | 1,1                       | –     | 57                          | 5.620                            | 16              | REB-2,5           | –        | –                  |
| HCBB/6-560/H        | 930                   | 560              | 449                                           | 1,9                       | –     | 59                          | 8.950                            | 22              | REB-2,5           | –        | –                  |
| HCBB/6-630/H        | 915                   | 630              | 588                                           | 2,9                       | –     | 62                          | 10.950                           | 25              | REB-5             | –        | –                  |
| DRIEFASIG 4 POLEN   |                       |                  |                                               |                           |       |                             |                                  |                 |                   |          |                    |
| HCBT/4-250/H        | 1330                  | 250              | 81                                            | 0,3                       | 0,2   | 49                          | 1.120                            | 5               | –                 | SPTM 3-3 | FI 0,75kW 2,2A     |
| HCBT/4-315/H        | 1330                  | 315              | 125                                           | 0,5                       | 0,3   | 55                          | 2.380                            | 7               | –                 | SPTM 3-3 | FI 0,75kW 2,2A     |
| HCBT/4-355/H        | 1380                  | 355              | 181                                           | 0,8                       | 0,5   | 59                          | 3.530                            | 8               | –                 | SPTM 3-3 | FI 0,75kW 2,2A     |
| HCBT/4-400/H        | 1340                  | 400              | 283                                           | 1,2                       | 0,7   | 62                          | 5.020                            | 9               | –                 | SPTM 3-3 | FI 0,75kW 2,2A     |
| HCBT/4-450/H        | 1350                  | 450              | 547                                           | 1,7                       | 1,0   | 65                          | 6.800                            | 13              | –                 | SPTM 3-3 | FI 0,75kW 2,2A     |
| HCBT/4-500/H        | 1390                  | 500              | 809                                           | 2,7                       | 1,6   | 68                          | 9.140                            | 16              | –                 | SPTM 3-3 | FI 0,75kW 2,2A     |
| HCBT/4-560/H        | 1390                  | 560              | 1287                                          | 4,0                       | 2,3   | 70                          | 12.950                           | 22              | –                 | SPTM 3-3 | FI 1,5kW 4,1A      |
| HCBT/4-630/H        | 1385                  | 630              | 1736                                          | 5,4                       | 3,1   | 73                          | 16.840                           | 25              | –                 | –        | FI 1,5kW 4,1A      |
| HCBT/4-710/H        | 1350                  | 710              | 2554                                          | 7,6                       | 4,4   | 74                          | 22.400                           | 27              | –                 | –        | FI 2,2kW 5.8A      |
| HCBT/4-800/L-X-1,5  | 1410                  | 800              | 2632                                          | 7,3                       | 4,2   | 78                          | 23.290                           | 37              | –                 | –        | FI 2,2kW 5.8A      |
| HCBT/4-800/H-X-3    | 1440                  | 800              | 4595                                          | 12,8                      | 7,4   | 84                          | 33.100                           | 52              | –                 | –        | FI 4,0kW 9.5A      |
| HCBT/4-900/L-X-3    | 1450                  | 900              | 3909                                          | 12,0                      | 6,9   | 82                          | 34.270                           | 62              | –                 | –        | FI 4,0kW 9.5A      |
| HCBT/4-900/H-X-5,5  | 1455                  | 900              | 7893                                          |                           | 13,4  | 87                          | 46.270                           | 96              | –                 | –        | FI 5,5kW 14A       |
| HCBT/4-1000/L-X-3   | 1415                  | 1000             | 5048                                          | 14,2                      | 8,2   | 86                          | 39.910                           | 67              | –                 | –        | FI 4,0kW 9.5A      |
| HCBT/4-1000/H-X-7,5 | 1470                  | 1000             | 8675                                          |                           | 14,6  | 93                          | 53.700                           | 101             | –                 | –        | FI 2,2kW 5.8A      |
| DRIEFASIG 6 POLEN   |                       |                  |                                               |                           |       |                             |                                  |                 |                   |          |                    |
| HCBT/6-355/H        | 900                   | 355              | 91                                            | 0,3                       | 0,2   | 48                          | 2.270                            | 8               | –                 | SPTM 3-3 | FI 0,75kW 2,2A     |
| HCBT/6-400/H        | 840                   | 400              | 120                                           | 0,5                       | 0,3   | 51                          | 3.050                            | 9               | –                 | SPTM 3-3 | FI 0,75kW 2,2A     |
| HCBT/6-450/H        | 925                   | 450              | 198                                           | 0,9                       | 0,5   | 54                          | 4.620                            | 13              | –                 | SPTM 3-3 | FI 0,75kW 2,2A     |
| HCBT/6-500/H        | 905                   | 500              | 282                                           | 1,1                       | 0,6   | 57                          | 6.190                            | 16              | –                 | SPTM 3-3 | FI 0,75kW 2,2A     |
| HCBT/6-560/H        | 895                   | 560              | 401                                           | 1,4                       | 0,8   | 59                          | 8.650                            | 22              | –                 | SPTM 3-3 | FI 0,75kW 2,2A     |
| HCBT/6-630/H        | 910                   | 630              | 596                                           | 2,3                       | 1,3   | 62                          | 10.950                           | 25              | –                 | SPTM 3-3 | FI 0,75kW 2,2A     |
| HCBT/6-710/H        | 950                   | 710              | 953                                           | 4,7                       | 2,7   | 65                          | 15.350                           | 27              | –                 | SPTM 3-5 | FI 1,5kW 4,1A      |
| HCBT/6-800/L-X-0,55 | 940                   | 800              | 1025                                          | 3,3                       | 1,9   | 73                          | 17.600                           | 31              | –                 | –        | FI 1,5kW 4,1A      |
| HCBT/6-800/H-X-0,75 | 935                   | 800              | 1309                                          | 4,2                       | 2,4   | 75                          | 20.630                           | 36              | –                 | –        | FI 1,5kW 4,1A      |
| HCBT/6-900/L-X-1,1  | 960                   | 900              | 1341                                          | 4,8                       | 2,8   | 74                          | 23.700                           | 54              | –                 | –        | FI 1,5kW 4,1A      |
| HCBT/6-900/H-X-1,5  | 955                   | 900              | 2289                                          | 7,3                       | 4,2   | 78                          | 32.300                           | 57              | –                 | –        | FI 2,2kW 5.8A      |
| HCBT/6-1000/L-X-1,1 | 940                   | 1000             | 1855                                          | 5,9                       | 3,4   | 79                          | 28.810                           | 56              | –                 | –        | FI 1,5kW 4,1A      |
| HCBT/6-1000/H-X-1.5 | 940                   | 1000             | 2392                                          | 7,7                       | 4,4   | 83                          | 34.300                           | 60              | –                 | –        | FI 2,2kW 5.8A      |

\* Geluiddruk gemeten in vrije veld condities, op een afstand equivalent aan 3 maal de diameter van de waaier, met een minimum van 1,5 meter.

\*\* De driefaseregelaars (SPTM-2) of frequency regelaar (VFKB / VFTM) worden aanbevolen bij 400 V.



## TYPEVERKLARING

| H | C | F | T | / | 4 | - | 4 | 0 | 0 | / | H | A |  |  |  |  |  |  |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|---|
| 1 | 2 | 3 | 4 |   | 5 |   | 6 |   |   |   | 7 | 8 |  |  |  |  |  |  | 9 |

**1 - H:** Axiale muurventilator.

**2 - C:** Serie letter.

**3 -** Soort waaier:

**F:** Ø 250-Ø 630 Kunststof waaier met vaste schoepen.

Ø 710 - Ø 1000 Waaier met aluminium naaf + verstelbare kunststof schoepen.

**G:** Kunststof waaier met verstelbare schoepen.

**B:** Ø 250-Ø 400 Aluminium waaier met vaste schoepen Ø 450 - Ø 1000 Aluminium waaier met verstelbare schoepen.

**4 -** Spanning:

**B:** Enkelfasig.

**T:** Driefasig.

**5 -** Aantal polen:

**2:** [ca. 2900 tpm - 50 Hz]

**4:** [ca. 1400 tpm - 50 Hz]

**6:** [ca. 900 tpm - 50 Hz]

**6 -** Nominale waaierdiameter: (mm)

**7 -** Schoephoek.

**H:** Hoog.

**B:** Laag.

**8 -** Luchtrichting:

**A:** Motor-Waaier.

**9 -** Speciale modellen:

**X:** Steun zonder beschermrooster.

**L:** Speciaal voor buitenmontage.

**C:** Condensgaten.

**EX:** Explosieveilige uitvoeringen overeenkomstig ATEX richtlijn voor 3 fase ventilatoren:

-EXE: Verhoogde bescherming

⚡ II2G EExeIIT3

-EXD: Vlambestendig voor 800 en 1000 modellen. ⚡ II2G EExdIIBT5 of EExdIICT4

**G:** Verhoogde corrosiebescherming voor toepassing op landbouwbedrijven.

**TF:** met roestwerende Teflon coating.

## TOEPASSING - ELEKTRISCHE AANSLUITING



| Spanning                                  | Motor voeding | Aansluiting        | Toerental |
|-------------------------------------------|---------------|--------------------|-----------|
| <b>ENKELFASE</b><br>220V 50Hz, 240V 50Hz  | 230V 50Hz     | See wiring diagram | Hoog      |
| <b>DRIEFASE</b><br>220V 50Hz<br>240V 50Hz | 230/400V 50Hz |                    | Hoog      |
|                                           |               |                    | Laag*     |
| <b>DRIEFASE</b><br>380V 50Hz<br>415V 50Hz | 230/400V 50Hz |                    | Hoog      |
|                                           | 400V 50Hz     |                    | Hoog      |
|                                           |               |                    | Laag*     |

\* Van 450 tot 630 mm diameter.

## GELUIDSDRUK GEGEVENS

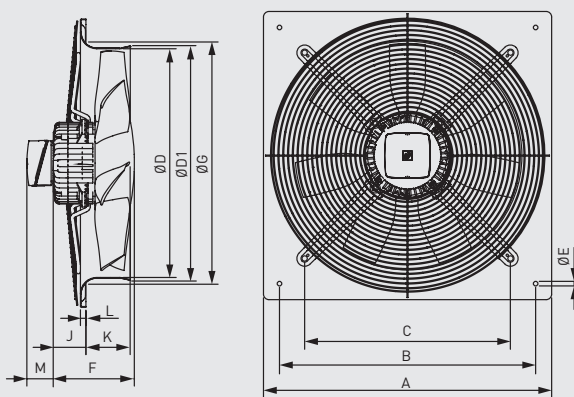
Geluidsdruckspectra in dB(A) per frequentieband in Hz: Het geluidniveau dat in de technische tabellen van de S&P-ventilatoren wordt weergegeven, komt in het algemeen overeen met een druk in dB(A), gemeten in het vrije veld op een afstand die equivalent is met drie keer de waaier diameter met een minimum van 1,5 m bij de waaierventilatoren, en op een afstand van 1,5 m bij de andere ventilatoren, behalve anders vermeld.

| Model      | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | LwA |
|------------|----|-----|-----|-----|------|------|------|------|-----|
| HCGB/2-315 | 50 | 61  | 68  | 70  | 72   | 69   | 64   | 58   | 77  |
| HCGT/2-315 | 55 | 66  | 73  | 75  | 77   | 74   | 69   | 63   | 82  |
| HCGB/2-355 | 55 | 66  | 73  | 75  | 77   | 74   | 69   | 63   | 82  |
| HCGT/2-355 | 55 | 70  | 69  | 77  | 82   | 78   | 73   | 66   | 85  |

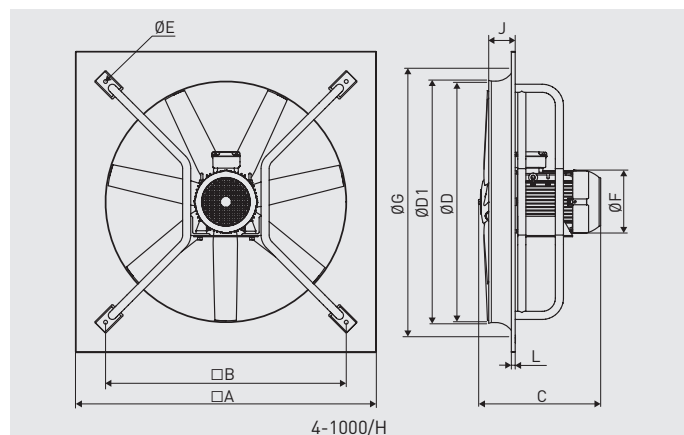
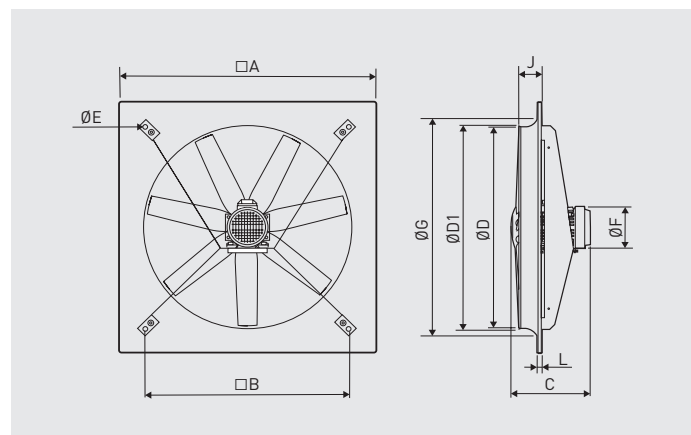
| Model     | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | LwA |
|-----------|----|-----|-----|-----|------|------|------|------|-----|
| /4-250/H  | 31 | 45  | 52  | 57  | 58   | 57   | 52   | 44   | 63  |
| /4-315/H  | 42 | 53  | 60  | 62  | 64   | 61   | 56   | 50   | 69  |
| /4-355/H  | 43 | 58  | 57  | 65  | 70   | 66   | 61   | 54   | 73  |
| /4-400/H  | 48 | 61  | 62  | 68  | 73   | 69   | 66   | 57   | 76  |
| /4-450/H  | 46 | 65  | 62  | 68  | 75   | 74   | 69   | 62   | 79  |
| /4-500/H  | 49 | 68  | 68  | 74  | 78   | 76   | 72   | 65   | 82  |
| /4-560/H  | 57 | 70  | 74  | 78  | 80   | 78   | 74   | 67   | 85  |
| /4-630/H  | 57 | 72  | 76  | 81  | 85   | 82   | 79   | 72   | 89  |
| /4-710/H  | 58 | 75  | 83  | 85  | 87   | 85   | 81   | 72   | 92  |
| /4-800/L  | 58 | 77  | 87  | 93  | 93   | 89   | 83   | 76   | 97  |
| /4-800/H  | 64 | 83  | 93  | 99  | 99   | 95   | 89   | 82   | 103 |
| /4-900/L  | 59 | 81  | 91  | 97  | 98   | 94   | 88   | 80   | 102 |
| /4-900/H  | 64 | 86  | 96  | 102 | 103  | 99   | 93   | 85   | 107 |
| /4-1000/L | 62 | 85  | 95  | 101 | 102  | 98   | 93   | 84   | 106 |
| /4-1000/H | 69 | 92  | 102 | 107 | 109  | 105  | 100  | 90   | 113 |

| Model     | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | LwA |
|-----------|----|-----|-----|-----|------|------|------|------|-----|
| /6-315/H  | 32 | 43  | 50  | 52  | 54   | 51   | 46   | 40   | 59  |
| /6-355/H  | 32 | 47  | 46  | 54  | 59   | 55   | 50   | 43   | 62  |
| /6-400/H  | 37 | 50  | 51  | 57  | 62   | 58   | 55   | 46   | 65  |
| /6-450/H  | 35 | 54  | 51  | 57  | 64   | 63   | 58   | 51   | 68  |
| /6-500/H  | 38 | 57  | 57  | 63  | 67   | 65   | 61   | 54   | 71  |
| /6-560/H  | 46 | 59  | 63  | 67  | 69   | 67   | 63   | 56   | 74  |
| /6-630/H  | 46 | 61  | 65  | 70  | 74   | 71   | 68   | 61   | 78  |
| /6-710/H  | 49 | 66  | 74  | 76  | 78   | 76   | 72   | 63   | 83  |
| /6-800/L  | 52 | 71  | 81  | 87  | 87   | 83   | 77   | 70   | 91  |
| /6-800/H  | 54 | 73  | 83  | 89  | 89   | 85   | 79   | 72   | 93  |
| /6-900/L  | 51 | 73  | 83  | 89  | 90   | 86   | 80   | 72   | 94  |
| /6-900/H  | 55 | 77  | 87  | 93  | 94   | 90   | 84   | 76   | 98  |
| /6-1000/L | 56 | 78  | 89  | 94  | 96   | 92   | 86   | 77   | 100 |
| /6-1000/H | 60 | 83  | 93  | 99  | 100  | 96   | 91   | 82   | 104 |

AFMETINGEN (mm)

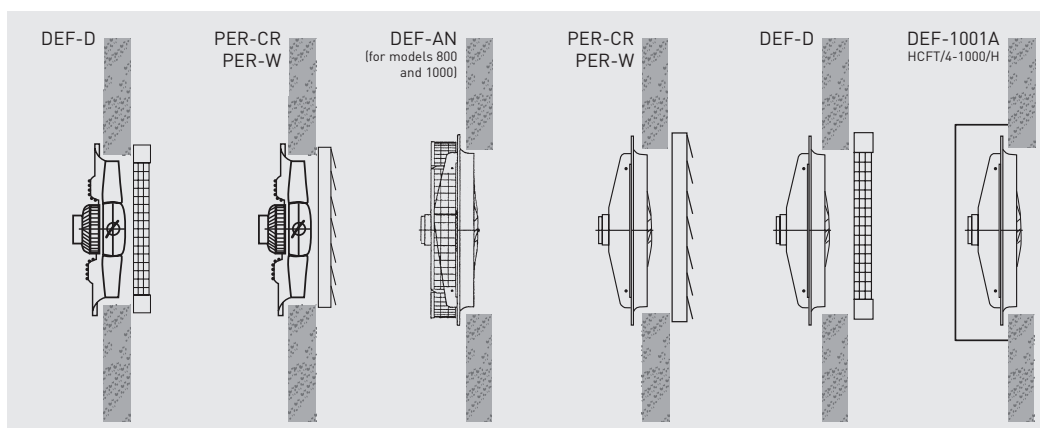
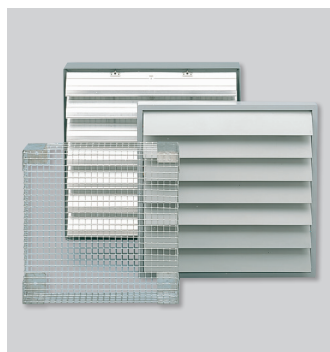


| Model |  |  |  |  |  |  | F            |       |       |  | J            |       |      | K    | L    | M      |       |
|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|-------|-------|-----------------------------------------------------------------------------------|--------------|-------|------|------|------|--------|-------|
|       | A                                                                                 | B                                                                                 | C                                                                                 | D                                                                                 | D1                                                                                | E                                                                                 | Aantal polen |       |       |                                                                                   | Aantal polen |       |      |      |      | Drief. | Eenf. |
|       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | /2           | /4    | /6    |                                                                                   | /2           | /4    | /6   |      |      |        |       |
| 250   | 315                                                                               | 260                                                                               | 220                                                                               | 254                                                                               | 261                                                                               | 10                                                                                |              | 122   |       | 294                                                                               |              | 59    |      | 53   | 12   | 60     | 65    |
| 315   | 400                                                                               | 330                                                                               | 280                                                                               | 315                                                                               | 320                                                                               | 10                                                                                | 129          | 122   | 122   | 329                                                                               | 45           | 32    | 32   | 68   | 12   | 60     | 65    |
| 355   | 450                                                                               | 380                                                                               | 315                                                                               | 355                                                                               | 363                                                                               | 10                                                                                | 129          | 129   | 129   | 371                                                                               | 45           | 45    | 45   | 75   | 12   | 60     | 65    |
| 400   | 500                                                                               | 420                                                                               | 355                                                                               | 400                                                                               | 410                                                                               | 10                                                                                |              | 129   | 129   | 422                                                                               |              | 40,5  | 40,5 | 78   | 12   | 60     | 65    |
| 450   | 560                                                                               | 480                                                                               | 400                                                                               | 450                                                                               | 457                                                                               | 10                                                                                |              | 150   | 150   | 476                                                                               |              | 48    | 48   | 91   | 12   | 60     | 65    |
| 500   | 630                                                                               | 560                                                                               | 450                                                                               | 500                                                                               | 512                                                                               | 10                                                                                |              | 150   | 150   | 536                                                                               |              | 44,5  | 44,5 | 97   | 12   | 60     | 65    |
| 560   | 710                                                                               | 630                                                                               | 510                                                                               | 560                                                                               | 570                                                                               | 10                                                                                |              | 218,5 | 150   | 596                                                                               |              | 110,5 | 42   | 98,5 | 12   | 60     | 65    |
| 630   | 800                                                                               | 710                                                                               | 580                                                                               | 630                                                                               | 640                                                                               | 12                                                                                |              | 218,5 | 150   | 674                                                                               |              | 110,5 | 41   | 103  | 12   | 60     | 65    |
| 710   | 900                                                                               | 800                                                                               | 636                                                                               | 710                                                                               | 720                                                                               | 12                                                                                |              | 220   | 218,5 | 733                                                                               |              | 114   | 134  | 91,5 | 16,5 | 60     | 65    |



| Modelo   | A    | B    | Ø D  | Ø D1 | Ø E | J   | Ø G  | C   |     |     |     | Ø F |     |     |     |
|----------|------|------|------|------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
|          |      |      |      |      |     |     |      | /4  |     | /6  |     | /4  |     | /6  |     |
|          |      |      |      |      |     |     |      | L   | H   | L   | H   | L   | H   | L   | H   |
| 800      | 1000 | 800  | 800  | 810  | 18  | 92  | 926  | 363 | 442 | 318 | 363 | 180 | 200 | 160 | 180 |
| 900      | 1120 | 900  | 900  | 910  | 18  | 120 | 1060 | 442 | 512 | 400 | 400 | 200 | 280 | 200 | 200 |
| 1000     | 1250 | 1000 | 1000 | 1010 | 18  | 110 | 1154 | 442 | -   | 345 | 400 | 200 | -   | 200 | 200 |
| 4-1000/H | 1250 | 1000 | 1000 | 1010 | 16  | 110 | 1154 | -   | 512 | -   | -   | -   | 280 | -   | -   |

## MONTAGE ACCESSOIRES



| Model HCFB/HCFT<br>HCBB/HCBT | Beschermroosters |             | Zelfsluitende jaloeziekleppen |             |              |
|------------------------------|------------------|-------------|-------------------------------|-------------|--------------|
|                              | Uitblaas         | Aanzuig     | Kunststof                     | Aluminium   | ATEX versie* |
| 250                          | DEF-250 D        | -           | PER-250 W                     | PER-250 CR  | PER-315 Ex   |
| 315                          | DEF-325 D        | -           | PER-355 W                     | PER-355 CR  | PER-315 Ex   |
| 355                          | DEF-375 D        | -           | PER-355 W                     | PER-355 CR  | PER-355 Ex   |
| 400                          | DEF-450 D        | -           | PER-400 W                     | PER-400 CR  | PER-400 Ex   |
| 450                          | DEF-450 D        | -           | PER-450 W                     | PER-450 CR  | PER-450 Ex   |
| 500                          | DEF-525 D        | -           | PER-500 W                     | PER-500 CR  | PER-500 Ex   |
| 560                          | DEF-630 D        | -           | PER-560 W                     | PER-630 CR  | PER-560 Ex   |
| 630                          | DEF-630 D        | -           | PER-630 W                     | PER-630 CR  | PER-630 Ex   |
| 710                          | DEF-800 D        | -           | PER-710 W                     | PER-710 CR  | PER-710 Ex   |
| 800                          | DEF-800 D        | DEF-800 AN  | PER-800 W                     | PER-800 CR  | -            |
| /4-900/H                     | DEF-1000 D       | DEF-900 AN  | PER-1000 W                    | PER-1000 CR | -            |
| /4-900/L                     | DEF-1000 D       | DEF-901 AN  | PER-1000 W                    | PER-1000 CR | -            |
| /6-900                       | DEF-1000 D       | DEF-901 AN  | PER-1000 W                    | PER-1000 CR | -            |
| 1000                         | DEF-1000 D       | DEF-1000 AN | PER-1000 W                    | PER-1000 CR | -            |
| 4-1000 / H                   | DEF-1000 D       | DEF-1001 AN | PER-1000 W                    | PER-1000 CR | -            |

\* Alleen te gebruiken in combinatie met HCBT ex. versie. Voor meer informatie zie montagesaccessoires.

## ELEKTRISCHE ACCESSOIRES



**REB-1N / REB-2,5N**  
Enkelfasige elektronische toerenregelaars.



**REB-5**  
**REB-10**  
Enkelfasige elektronische toerentalregelaar.



**SPTM**  
Transformatorregelaars enkelfasig en driefasig.



**COM D/S**  
Ster / Driehoek-schakelaar.



**FI IP20**  
Programmeerbare frequentieregelaar IP20, in te bouwen in regelkast. Standaard voorzien van EMC-filter.



**FI IP66**  
Programmeerbare frequentieregelaar IP66, hoeft niet in regelkast gemonteerd te worden. Standaard voorzien van EMC-filter.



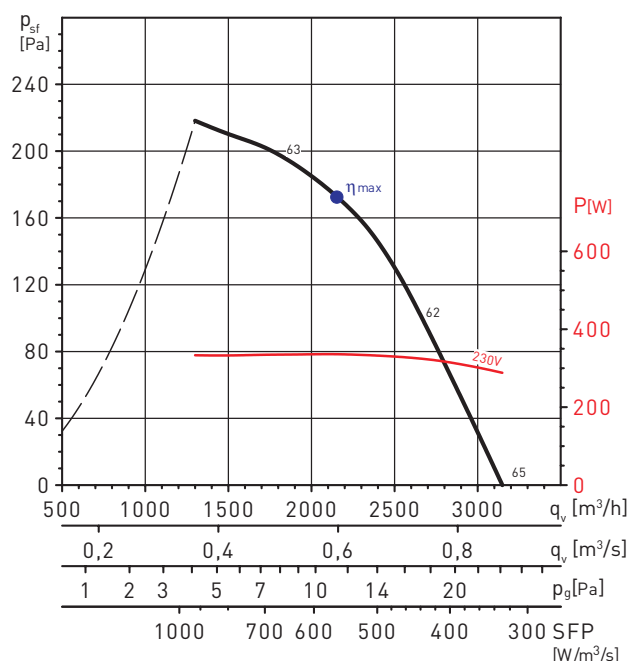
## GRAFIEKEN - HCFB/HCFT - HCBB/HCBT

- $q_v$ : Luchtvolume in  $m^3/h$  en  $m^3/s$ .
- $p_{sf}$ : Statische druk in Pa.
- $p_g$ : Veiligheidsrooster drukverlies in Pa.
- SFP: Specifiek vermogen  $W/m^3/s$ .
- P: Ogenomen vermogen in W.
- Meet categorie: A.
- Efficiency categorie: statisch.
- Ventilator rendement zonder toeren regeling.
- Ventilator getest zonder rooster.
- Luchtstroom data in overeenstemming met ISO 5801.
- Geluidsdruk  $L_p(A)$  gemeten in vrije veld conditie op een afstand gelijk aan 3x de diameter met een minimum van 1,5 m.

Selecteer de luchtcapaciteit in de grafiek, rechts van de stippellijn.

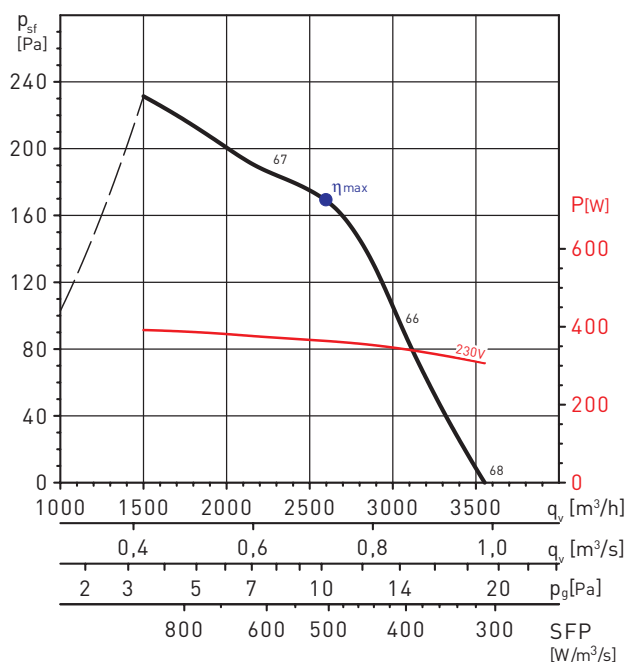
|                             |                                               |
|-----------------------------|-----------------------------------------------|
| <b>MC</b>                   | Maatvoering categorie                         |
| <b>EC</b>                   | Rendements categorie                          |
| <b>VSD</b>                  | Snelheidsregeling: geleverd bij de ventilator |
| <b>SR</b>                   | Specifieke ratio                              |
| <b><math>\eta</math>[%]</b> | Totaal rendement                              |
| <b>N</b>                    | Rendement                                     |
| <b>[kW]</b>                 | Opgenomen vermogen                            |
| <b>[m<sup>3</sup>/h]</b>    | Lucht volume                                  |
| <b>[Pa]</b>                 | Statische druk                                |
| <b>[RPM]</b>                | Snelheid                                      |

HCGB/2-315/L



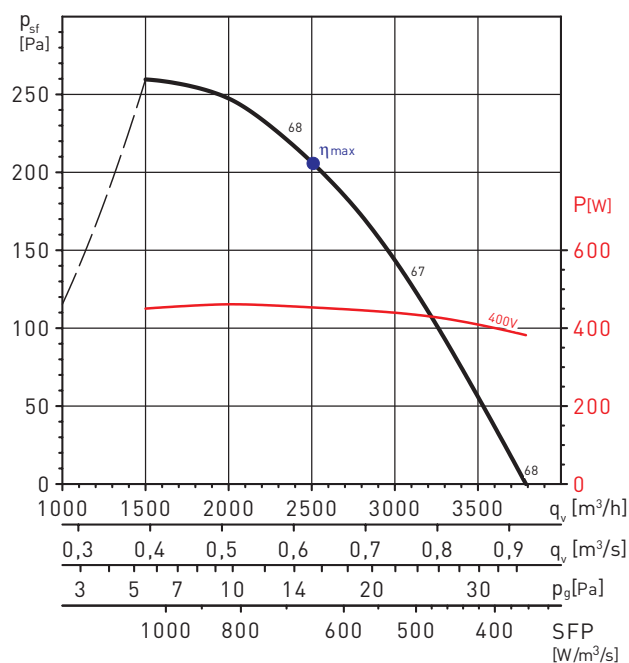
| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m <sup>3</sup> /h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|---------------------|------|-------|
| A  | Static | No  | 1  | 30,8       | 40,1 | 0,336 | 2106                | 177  | 2597  |

HCGB/2-355/J



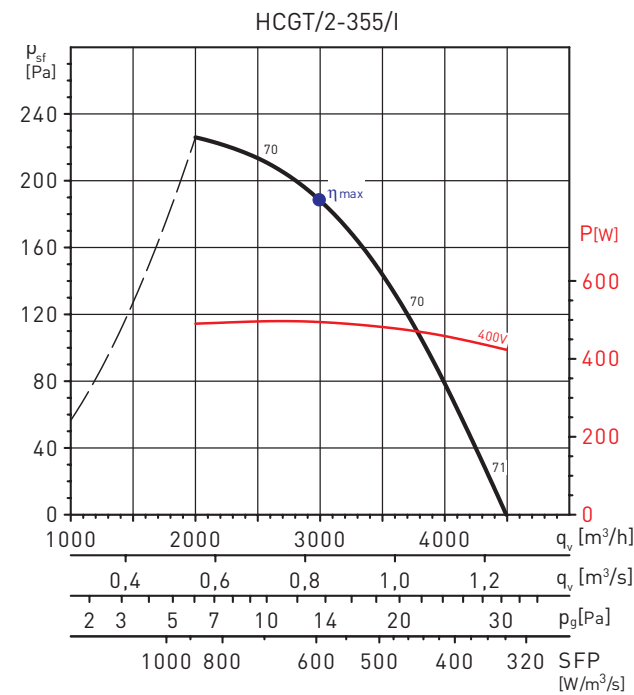
| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m <sup>3</sup> /h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|---------------------|------|-------|
| A  | Static | No  | 1  | 33,8       | 42,9 | 0,364 | 2597                | 169  | 2590  |

HCGB/2-315/L

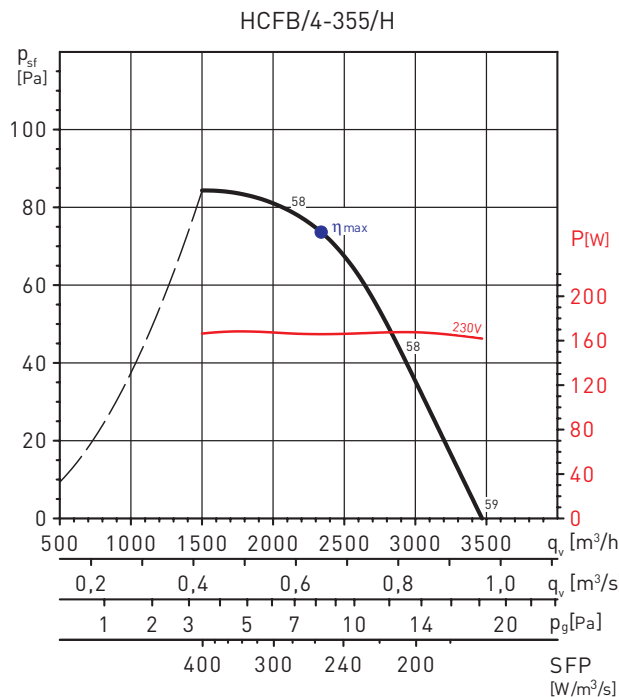
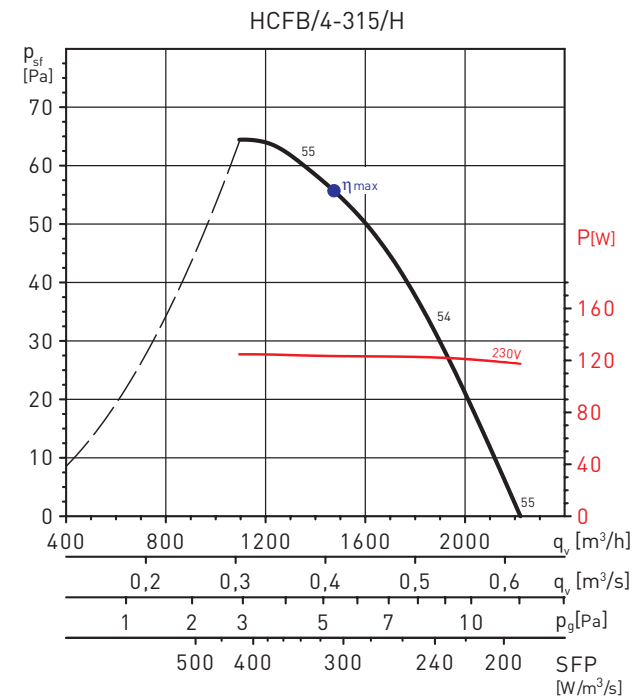
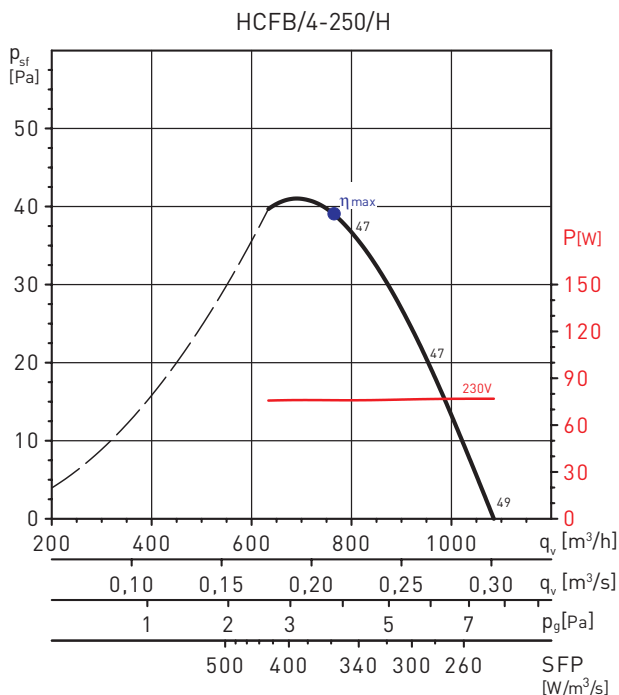


| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m <sup>3</sup> /h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|---------------------|------|-------|
| A  | Static | No  | 1  | 31,7       | 40,2 | 0,455 | 2440                | 212  | 2543  |

GRAFIEKEN - 2 POLEN



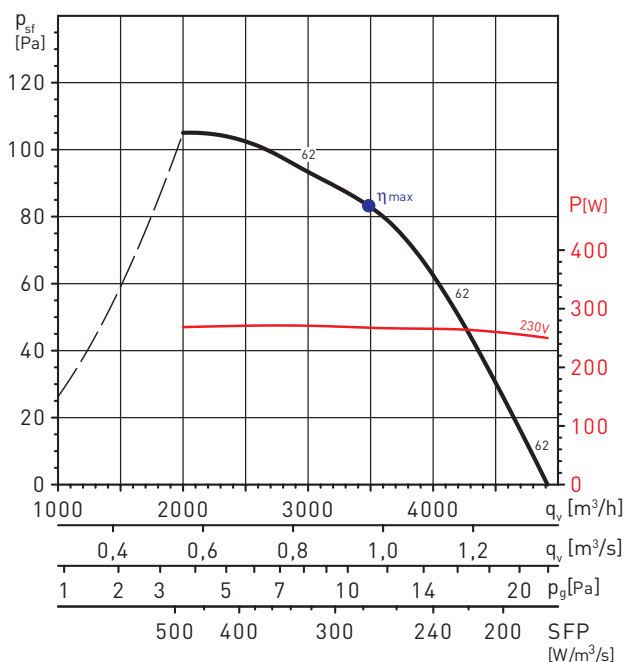
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 31,7 | 40,0 | 0,495 | 2997   | 188  | 2454  |



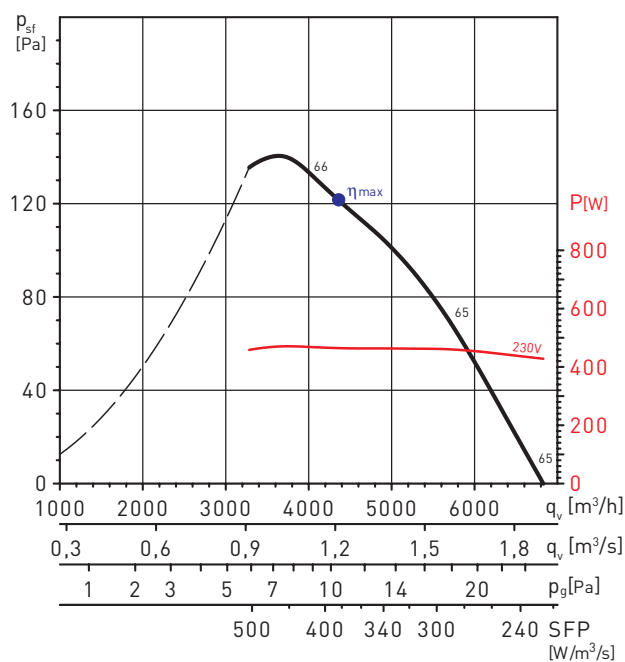
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 28,8 | 40,1 | 0,166 | 2339   | 74   | 1406  |

GRAFIEKEN - 4 POLEN

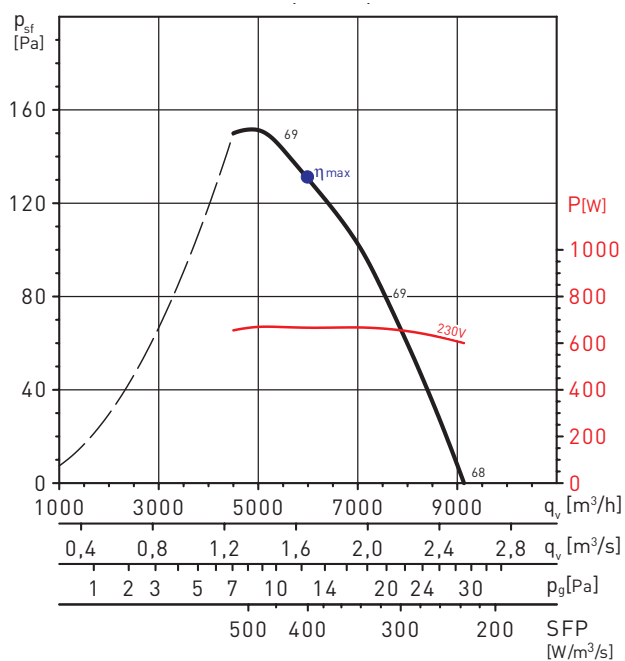
HCFCB/4-400/H



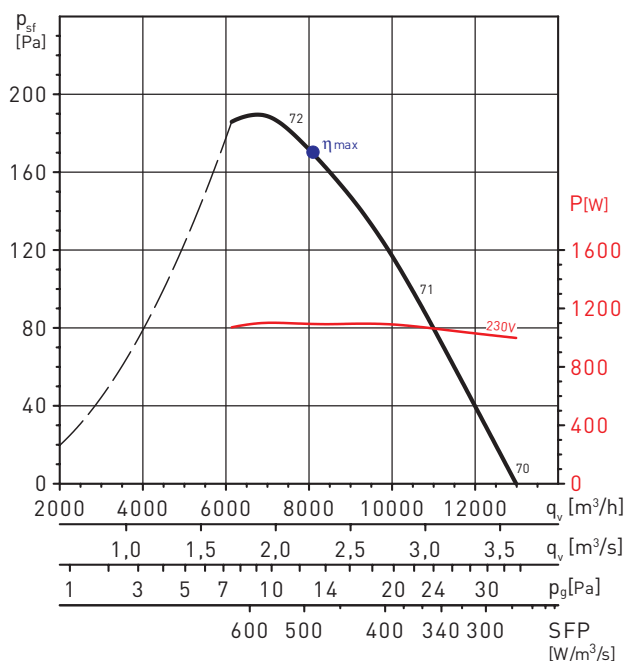
HCFCB/4-450/H



HCFCB/4-500/H

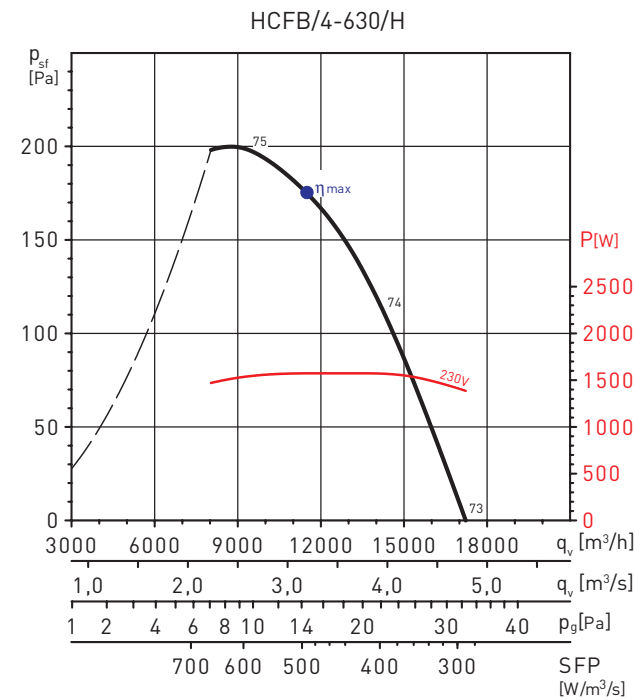


HCFCB/4-560/H

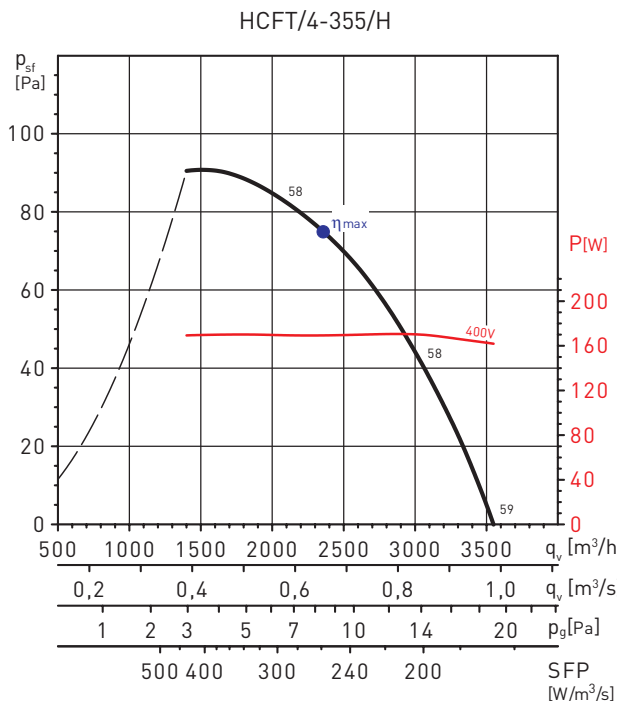
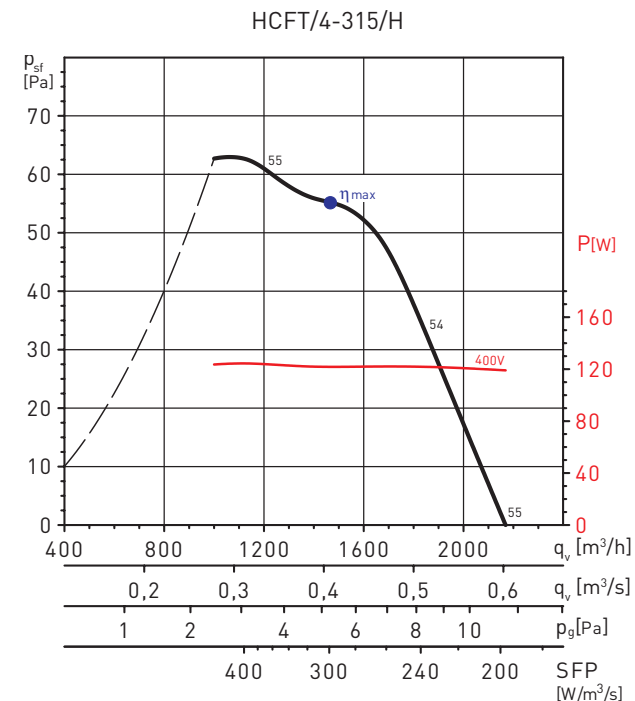
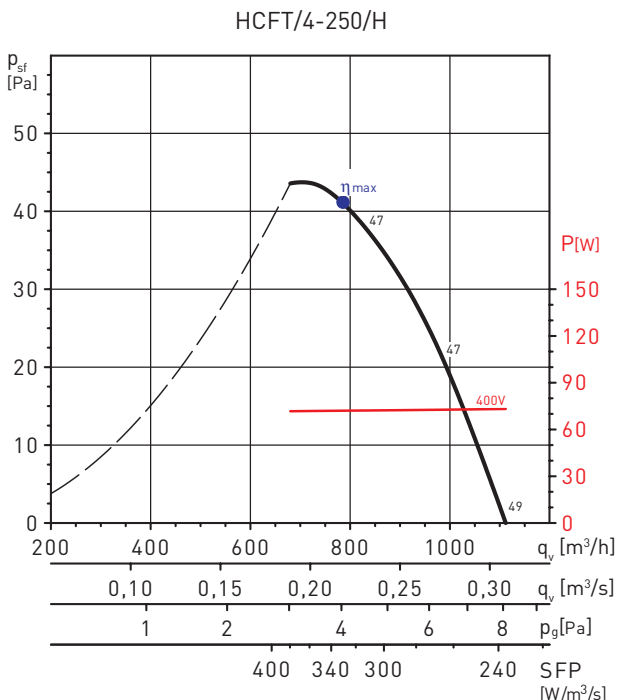




GRAFIEKEN - 4 POLEN



| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 35,5 | 40,6 | 1,573 | 11483  | 175  | 1345  |

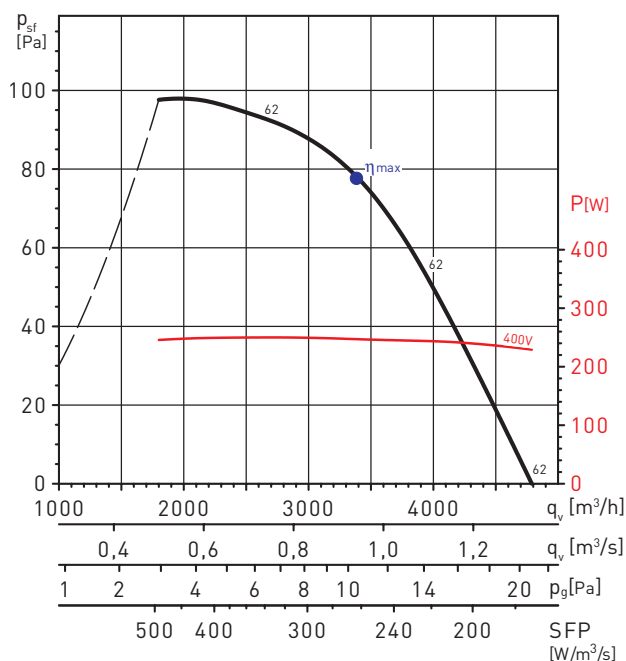


| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 29,0 | 40,2 | 0,169 | 2331   | 76   | 1379  |

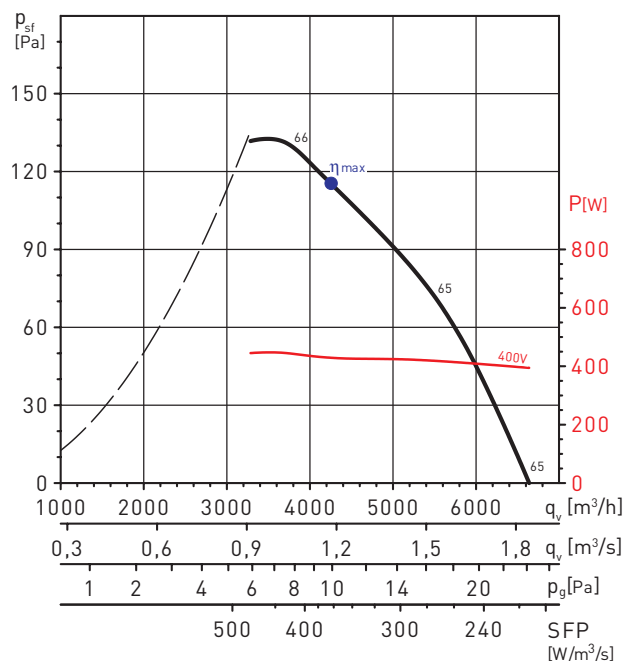


GRAFIEKEN - 4 POLEN

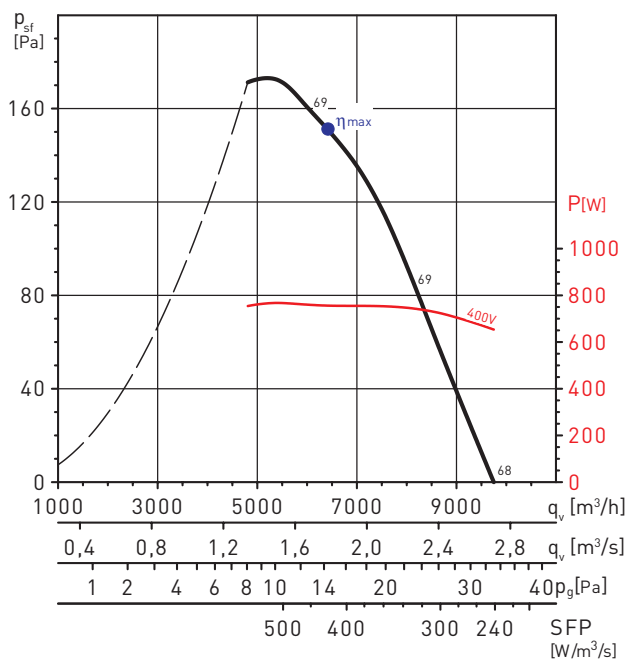
HCFT/4-400/H



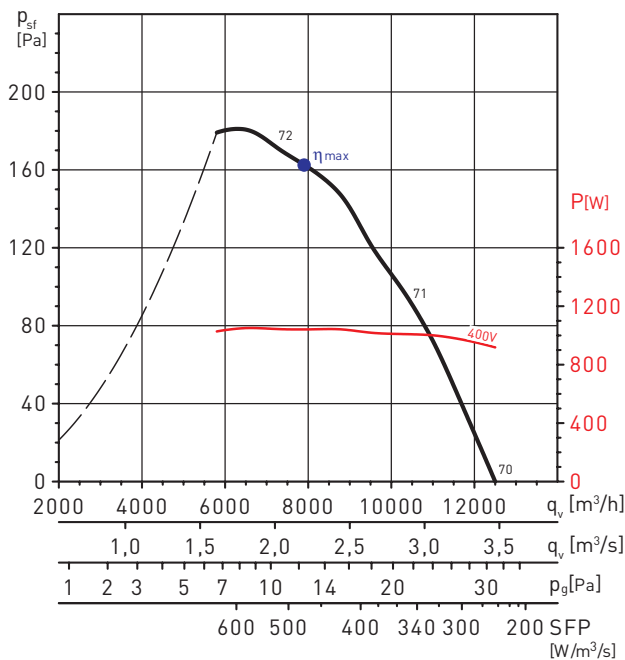
HCFT/4-450/H



HCFT/4-500/H

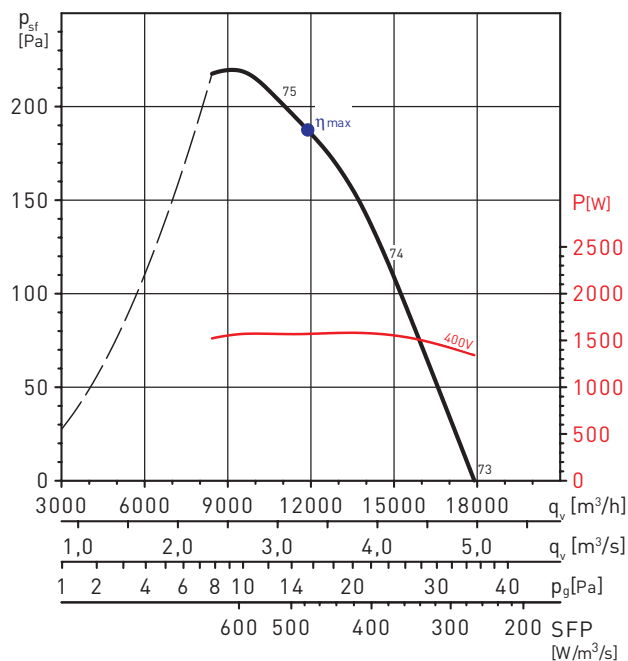


HCFT/4-560/H



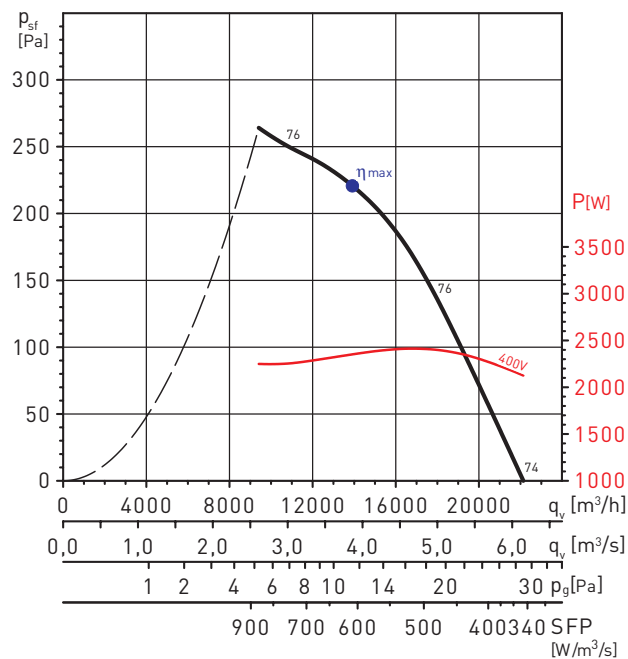
## GRAFIEKEN - 4 POLEN

HCFT/4-630/H



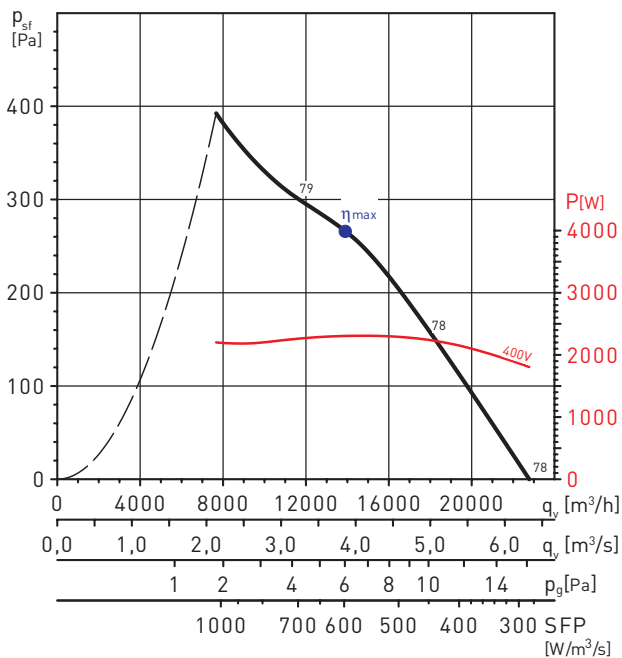
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 39,5 | 44,6 | 1,569 | 11760  | 189  | 1404  |

HCFT/4-710/H



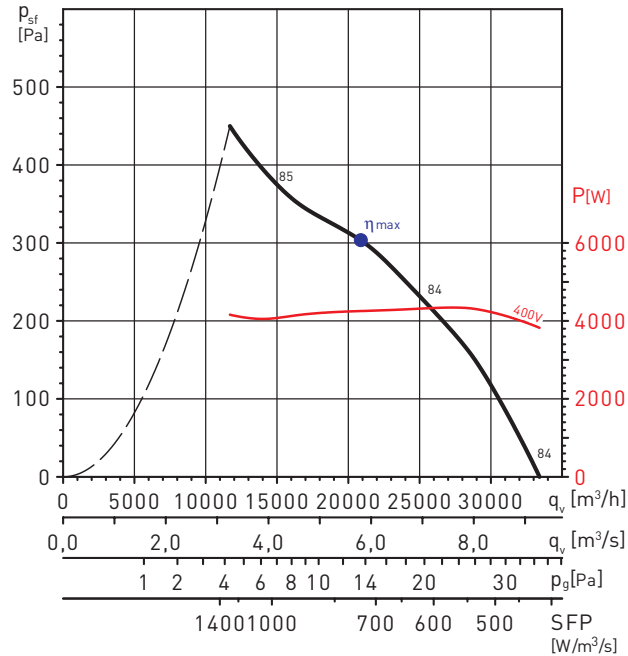
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 36,3 | 40,3 | 2,352 | 13929  | 221  | 1354  |

HCFT/4-800/L



| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 44,7 | 48,7 | 2,305 | 13900  | 266  | 1392  |

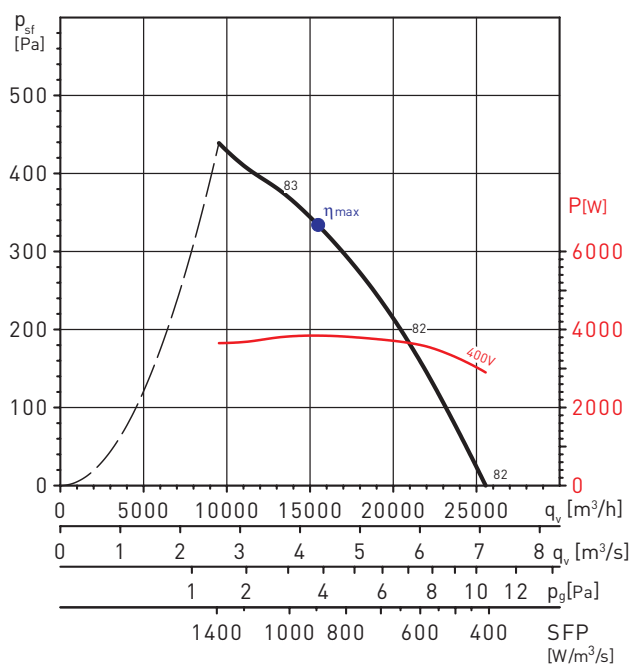
HCFT/4-800/H



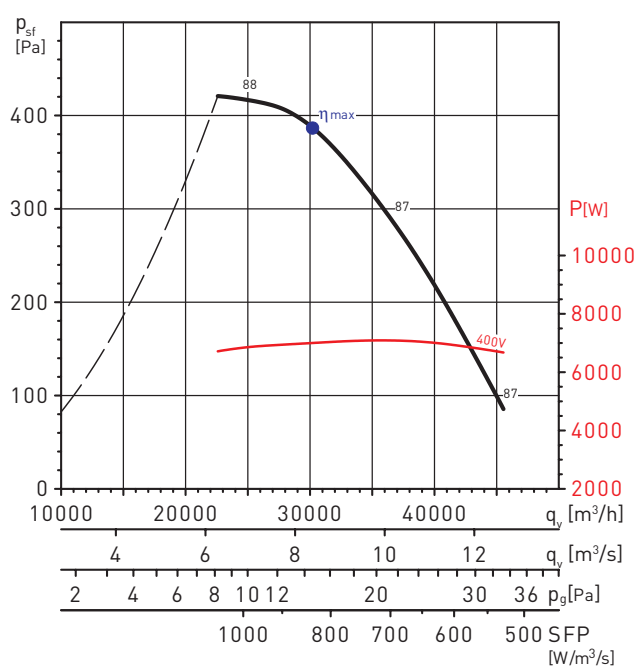
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 41,4 | 43,8 | 4,253 | 20873  | 304  | 1435  |

GRAFIEKEN - 4 POLEN

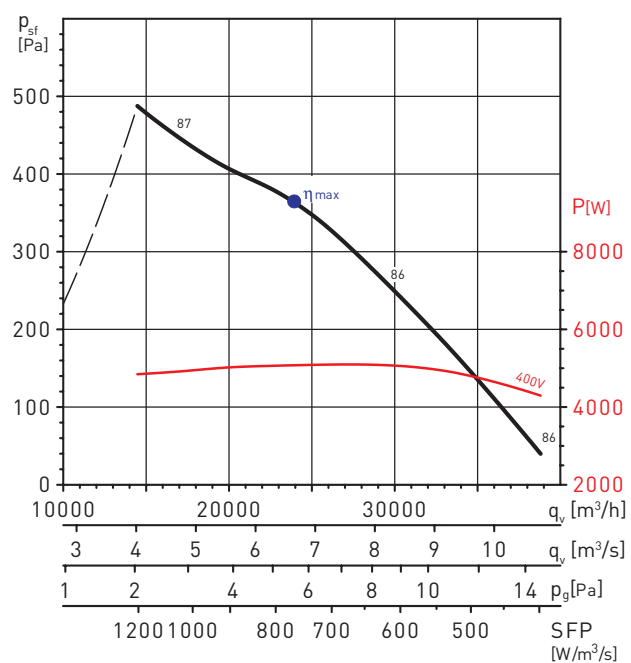
HCFT/4-900/L



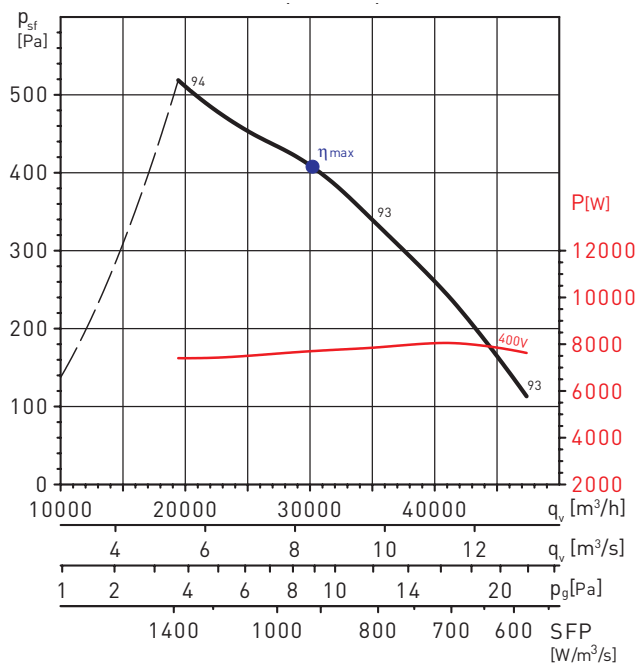
HCFT/4-900/H



HCFT/4-1000/L

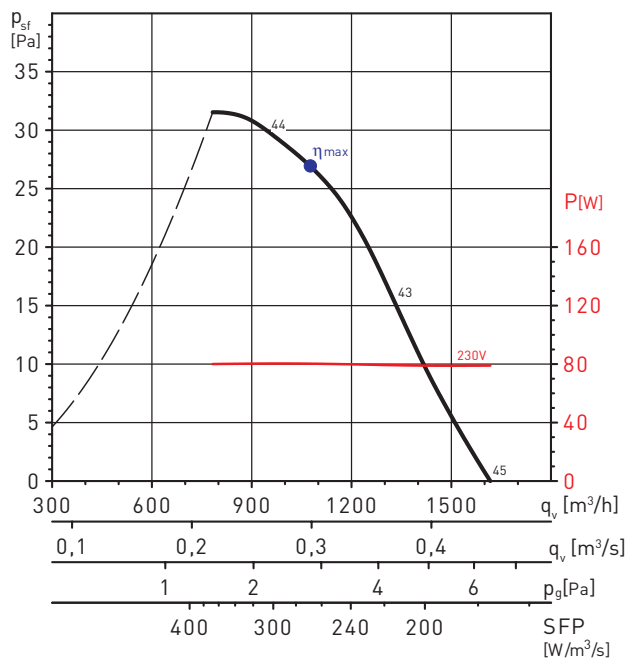


HCFT/4-1000/H

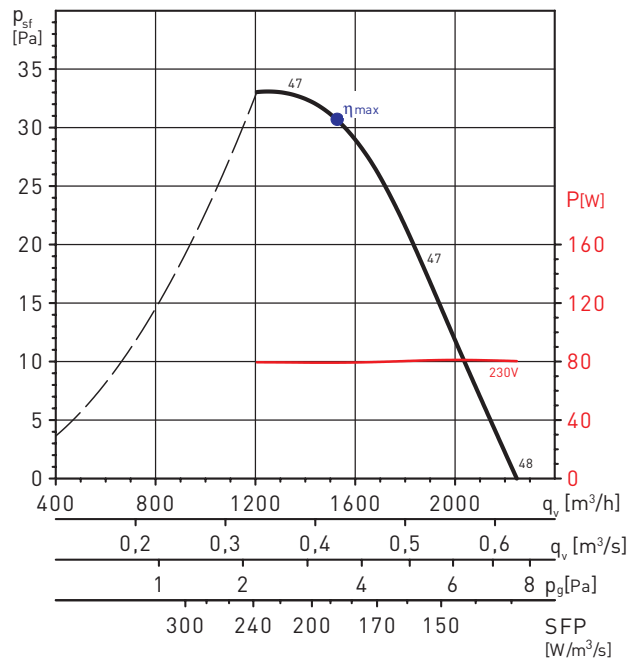


GRAFIEKEN - 6 POLEN

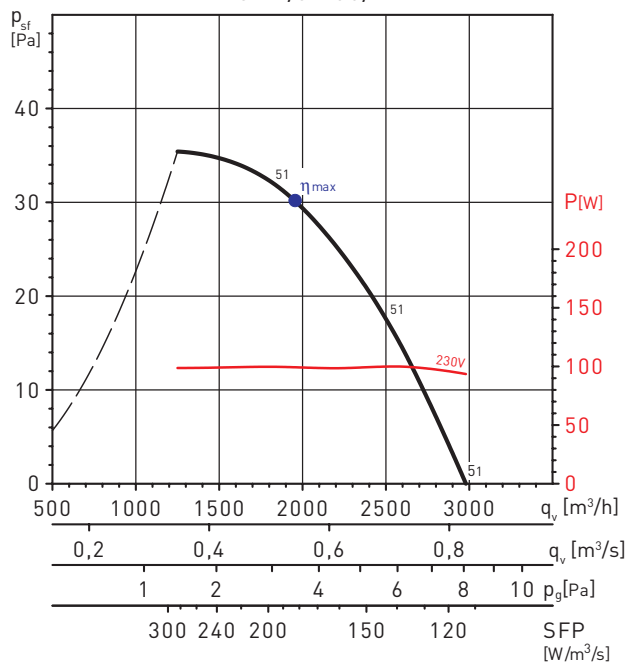
HCFB/6-315/H



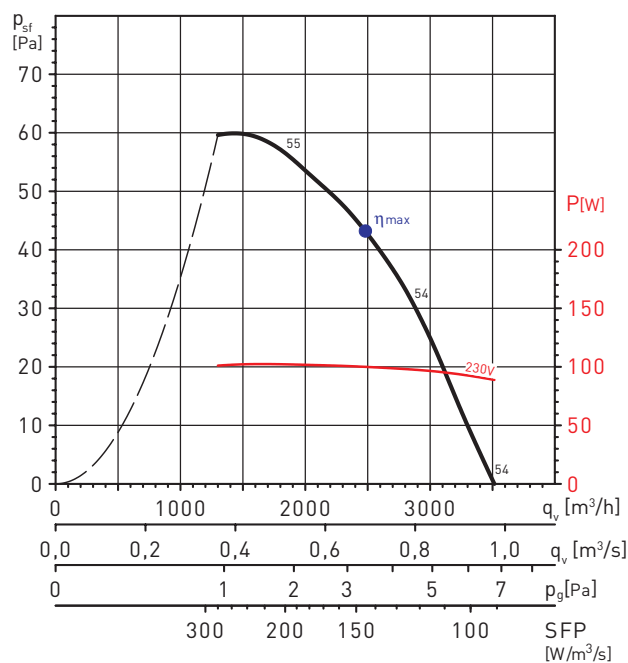
HCFB/6-355/H



HCFB/6-400/H



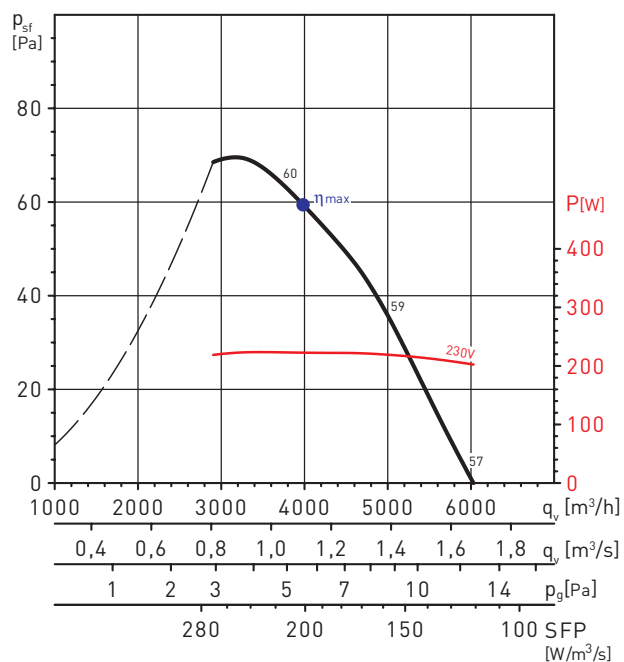
HCFB/6-450/H



| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 30,2       | 42,8 | 0,101 | 2327   | 47   | 885   |

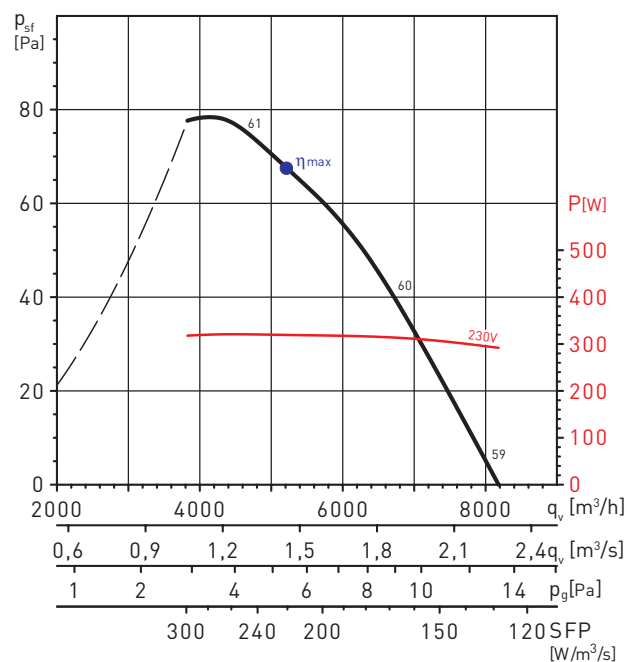
GRAFIEKEN - 6 POLEN

HCFB/6-500/H



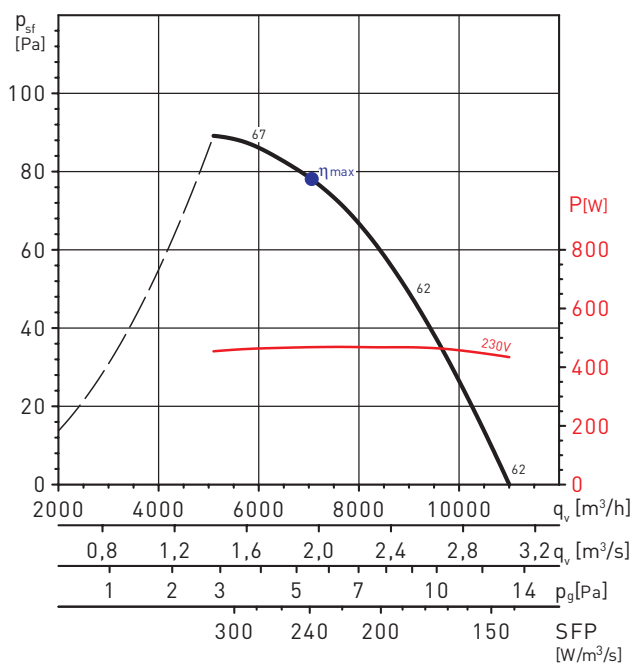
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 29,7 | 40,1 | 0,223 | 3783   | 63   | 904   |

HCFB/6-560/H



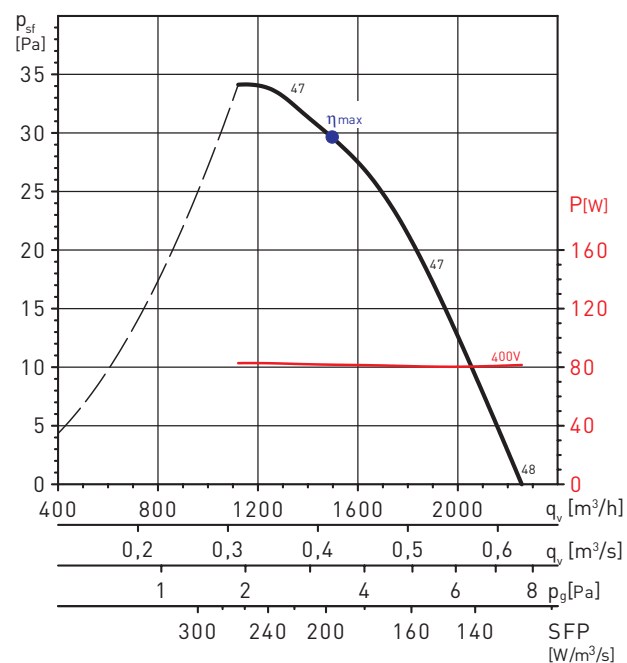
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 30,7 | 40,2 | 0,319 | 5214   | 68   | 880   |

HCFB/6-630/H



| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 32,7 | 41,1 | 0,469 | 7230   | 76   | 899   |

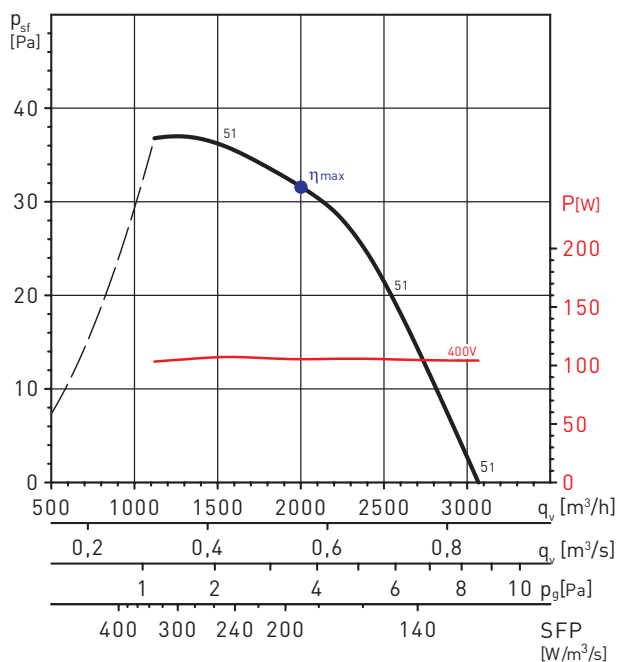
HCFT/6-355/H



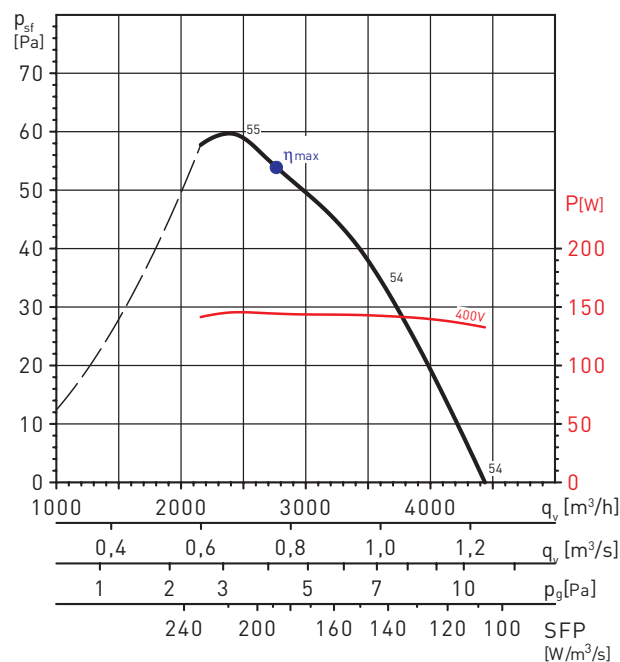


GRAFIEKEN - 6 POLEN

HCFT/6-400/H

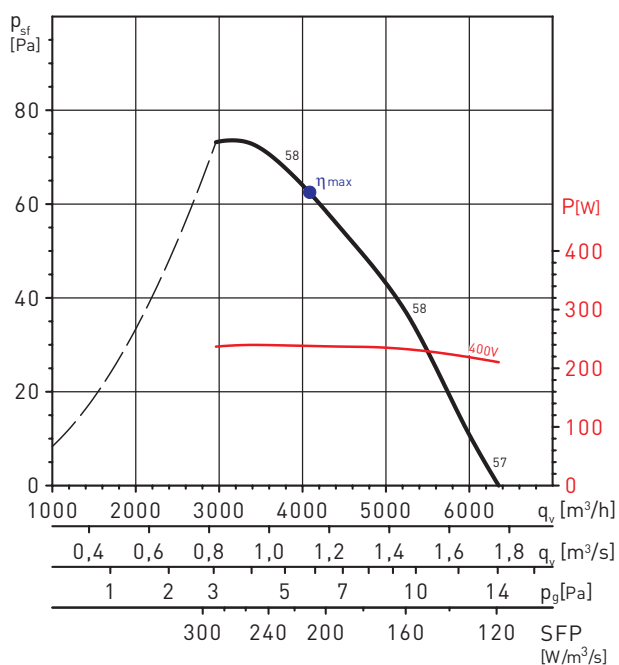


HCFT/6-450/H



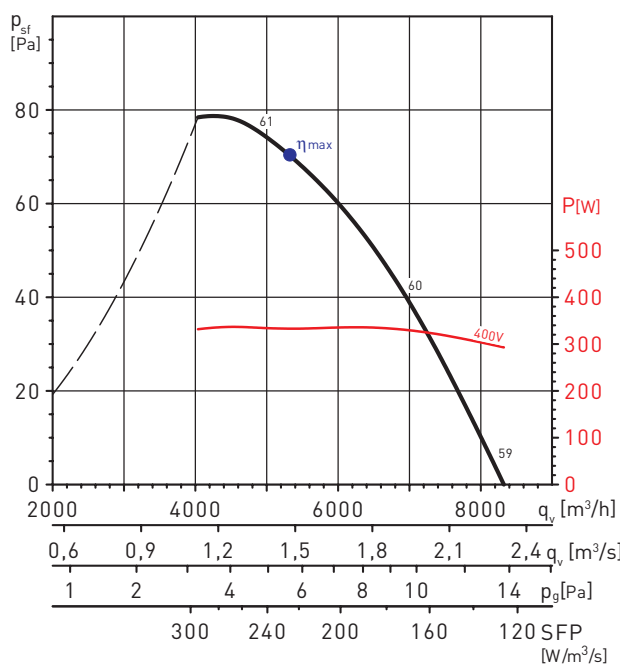
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 28,8 | 40,4 | 0,144 | 2920   | 51   | 897   |

HCFT/6-500/H



| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 29,9 | 40,2 | 0,239 | 3900   | 66   | 903   |

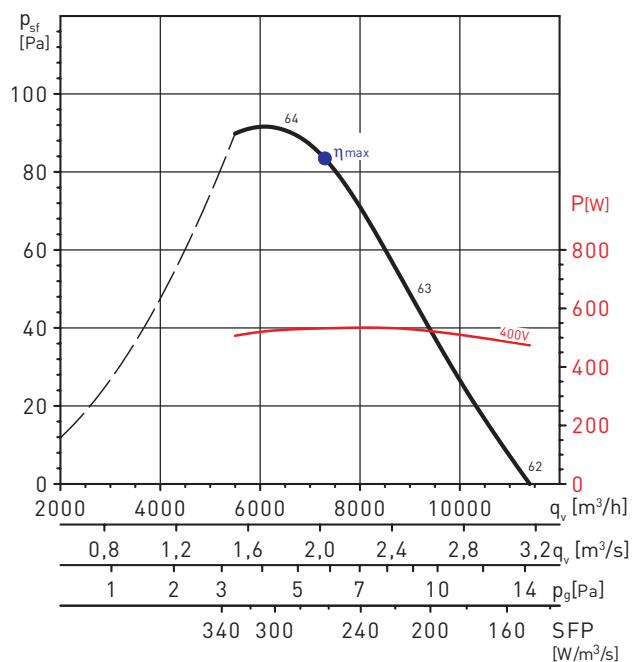
HCFT/6-560/H



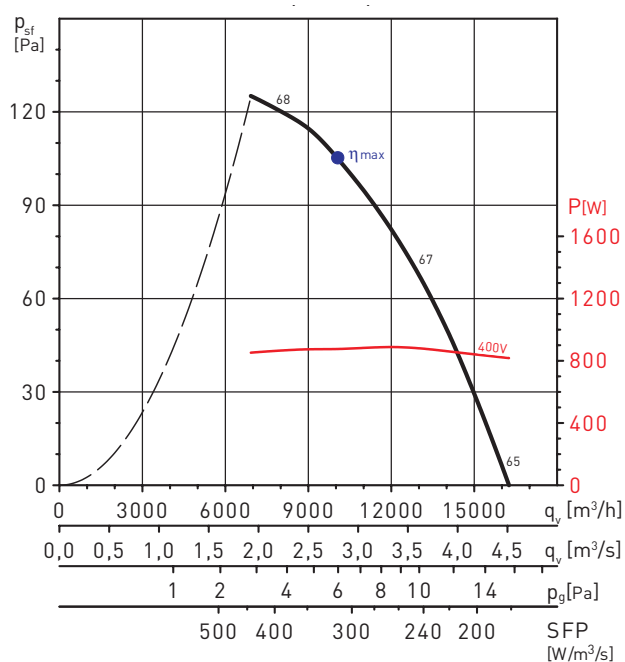
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 31,2 | 40,5 | 0,333 | 5333   | 70   | 905   |

GRAFIEKEN - 6 POLEN

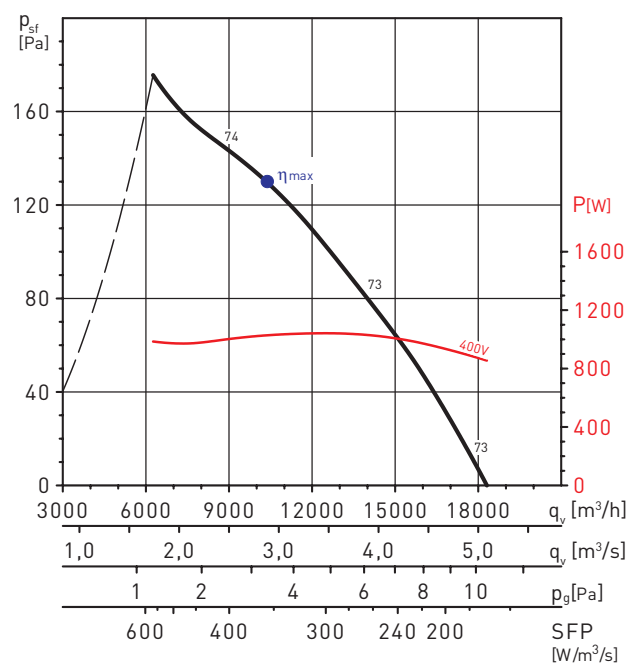
HCFT/6-630/H



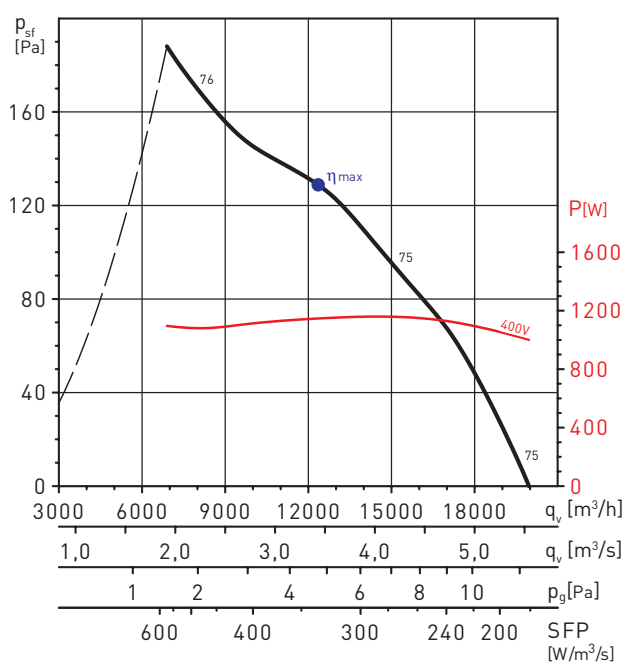
HCFT/6-710/H



HCFT/6-800/L

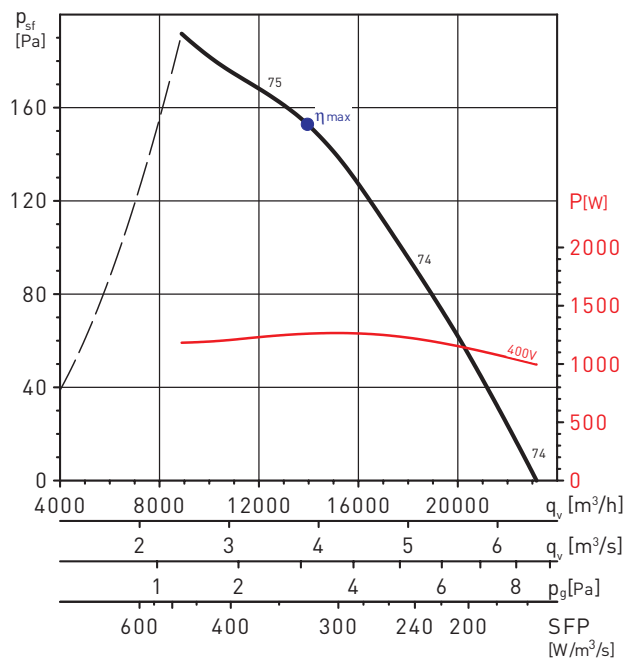


HCFT/6-800/H



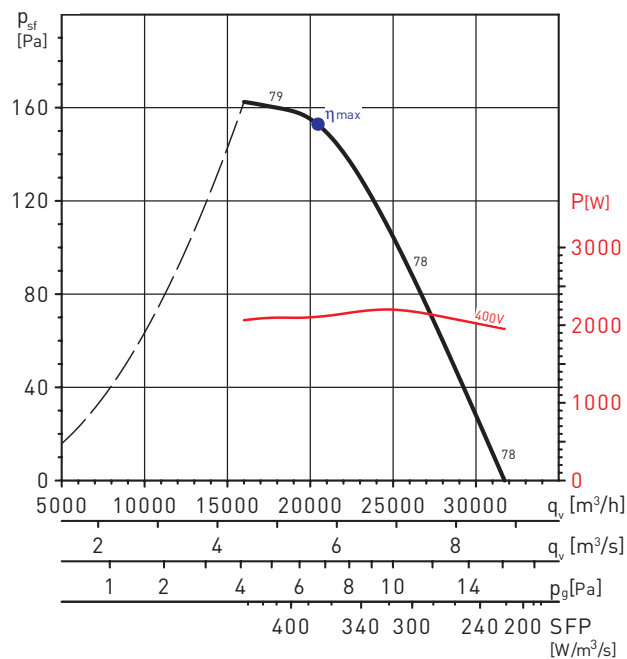
## GRAFIEKEN - 6 POLEN

HCFT/6-900/L



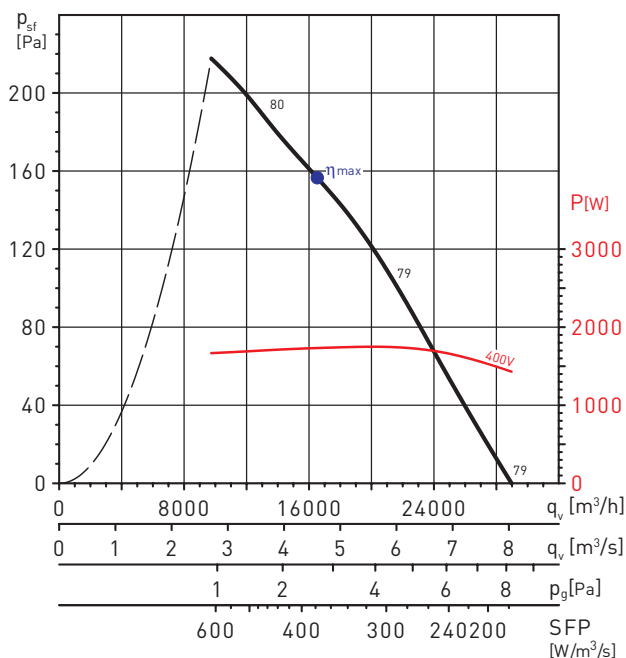
| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 47,1       | 52,8 | 1,260 | 13960  | 153  | 954   |

HCFT/6-900/H



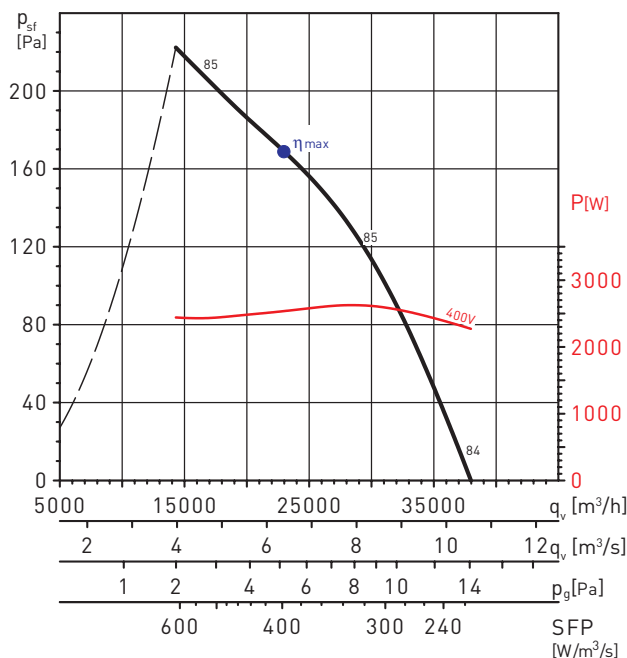
| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 41,2       | 45,5 | 2,107 | 20461  | 153  | 947   |

HCFT/6-1000/L



| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 41,6       | 46,4 | 1,733 | 16522  | 157  | 926   |

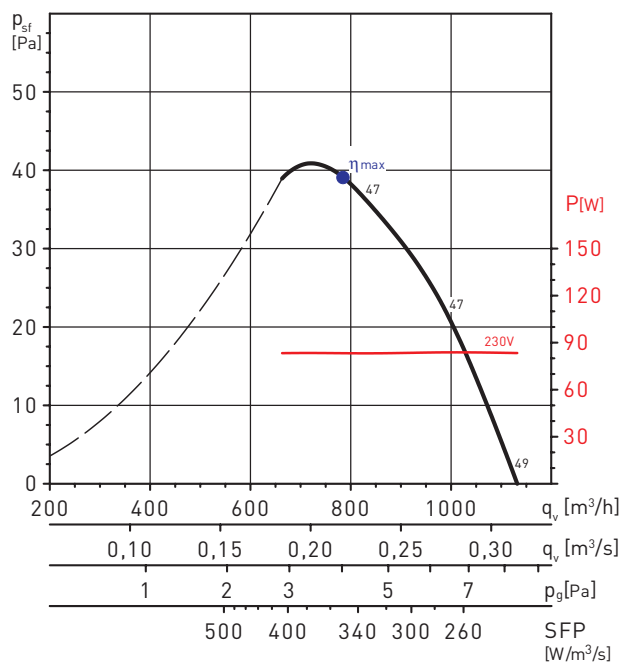
HCFT/6-1000/H



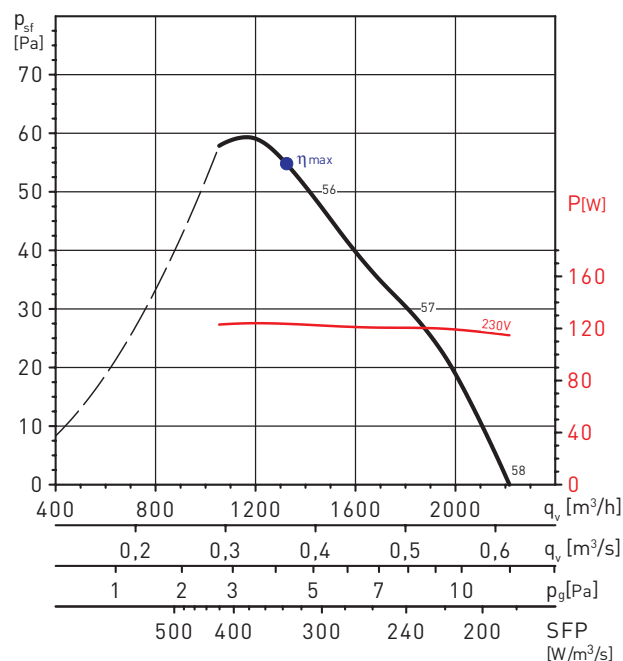
| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 42,6       | 46,4 | 2,536 | 22959  | 169  | 931   |

GRAFIEKEN - 6 POLEN

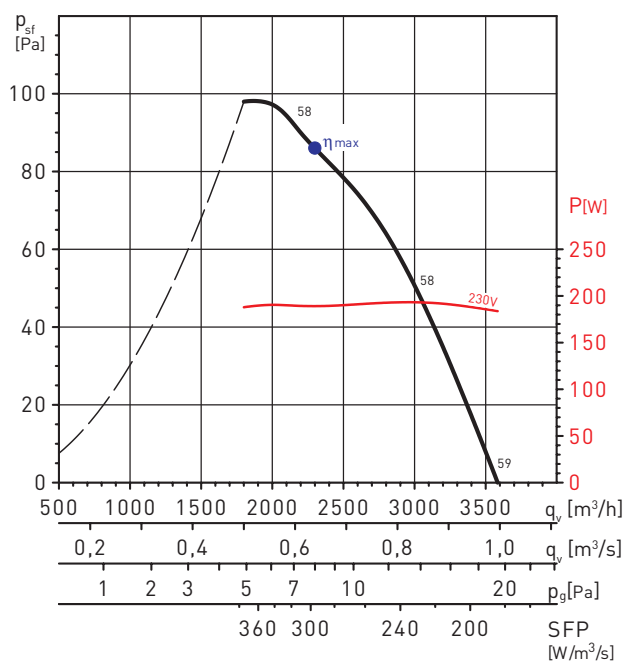
HCBB/4-250/H



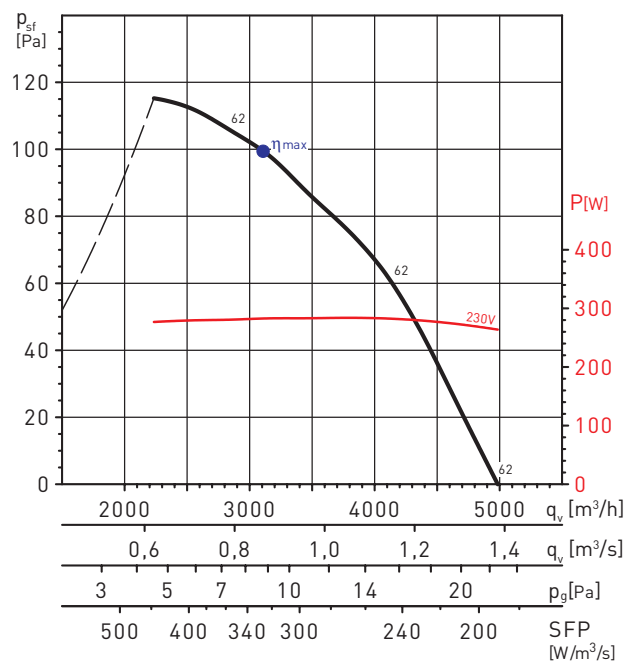
HCBB/4-315/H



HCBB/4-355/H



HCBB/4-400/H

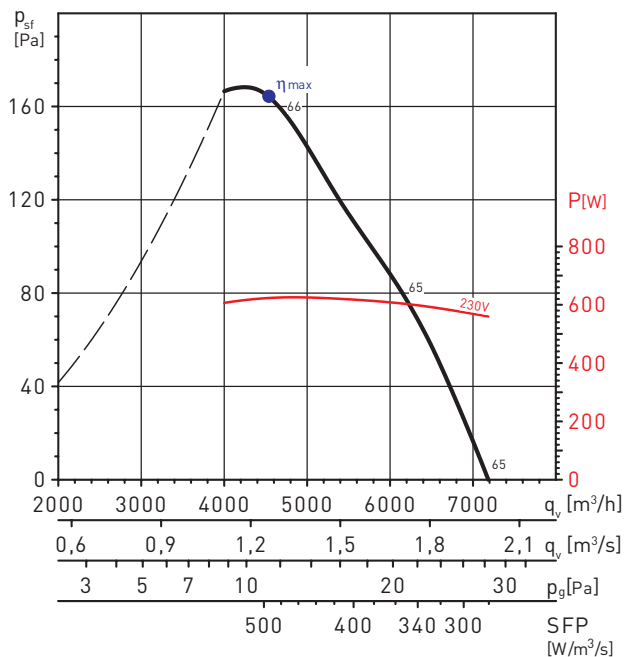


| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 29,1       | 40,0 | 0,189 | 2300   | 86   | 1377  |

| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 30,4       | 40,2 | 0,283 | 3107   | 100  | 1327  |

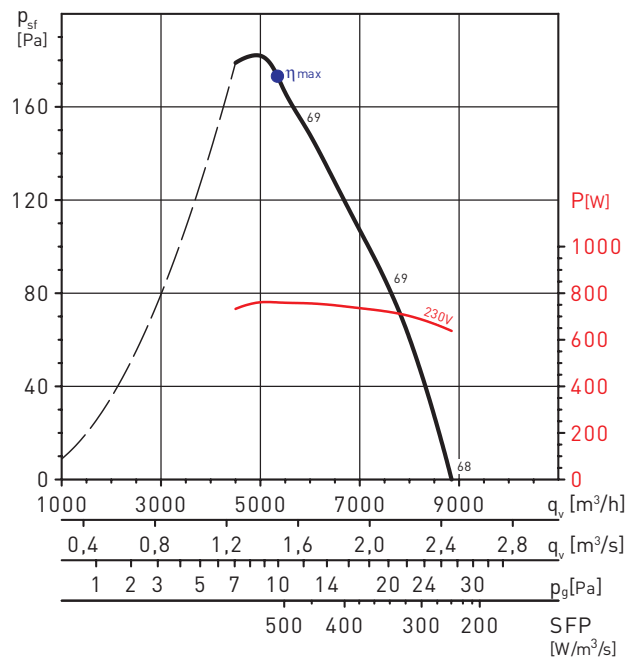
GRAFIEKEN - 4 POLEN

HCBB/4-450/H



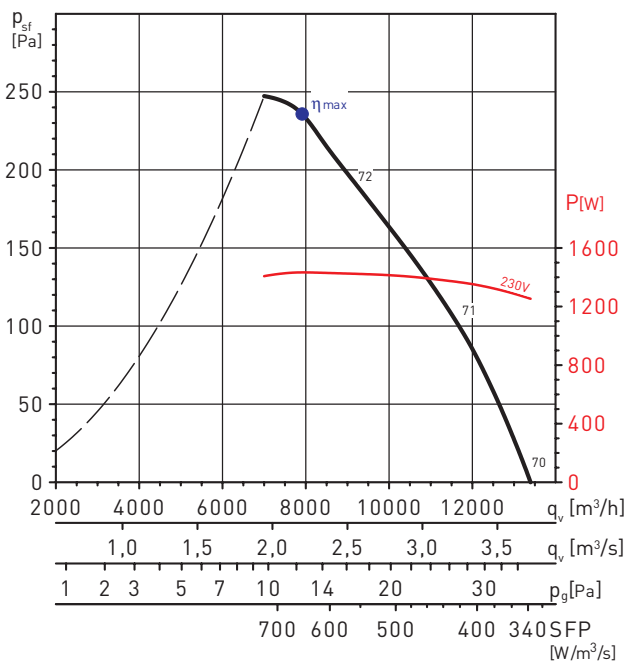
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 33,2 | 40,8 | 0,623 | 4538   | 164  | 1390  |

HCBB/4-500/H



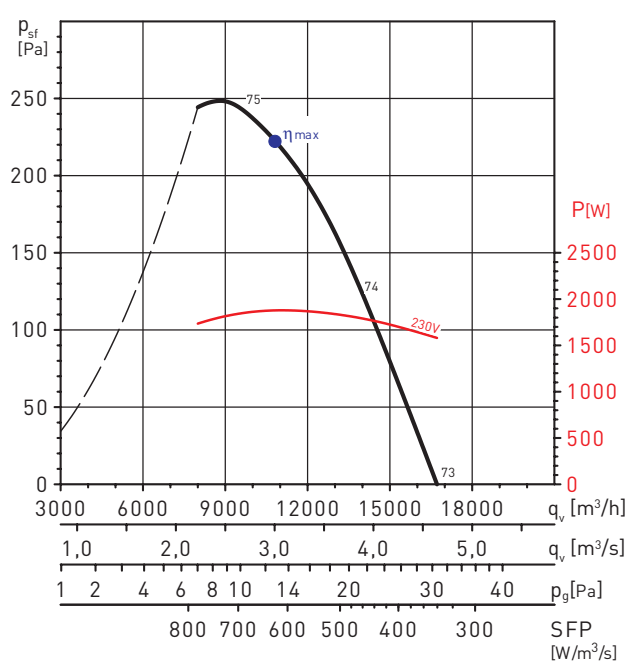
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 33,6 | 40,7 | 0,760 | 5336   | 172  | 1322  |

HCBB/4-560/H



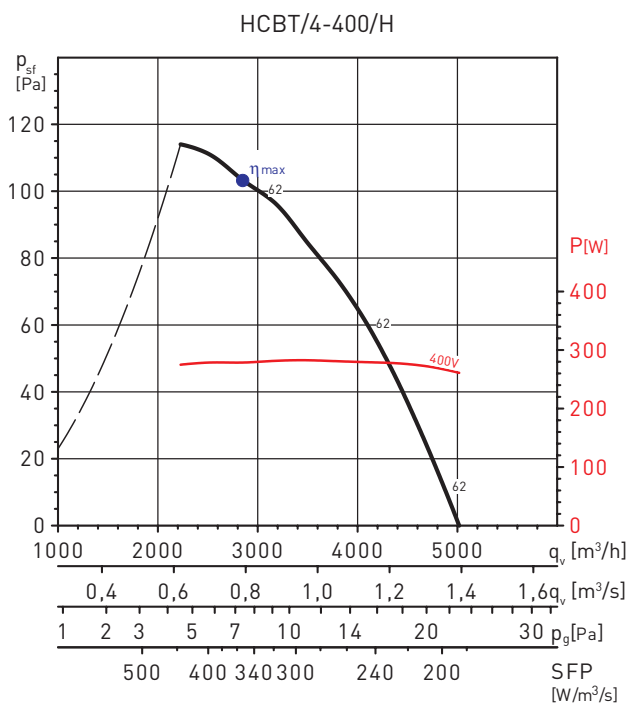
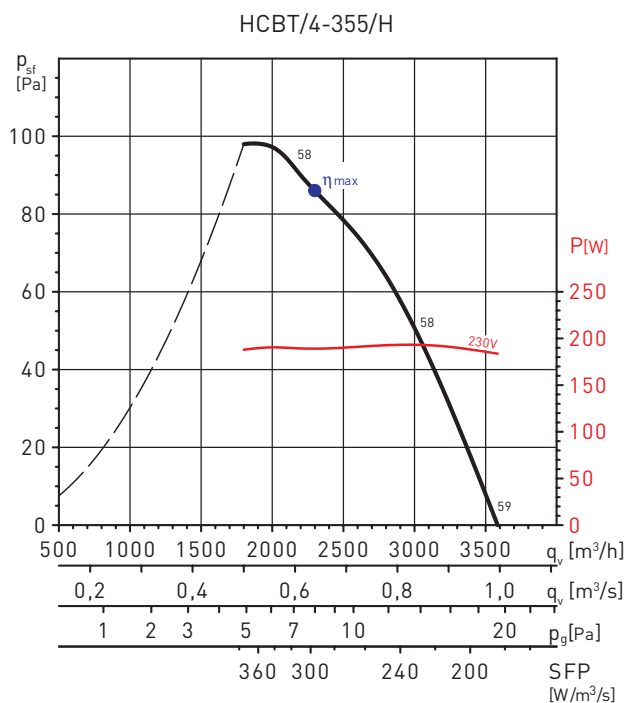
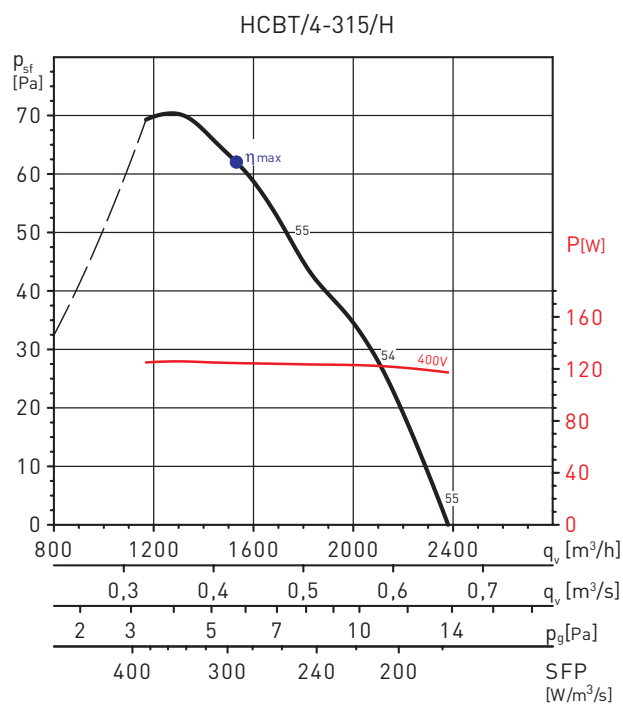
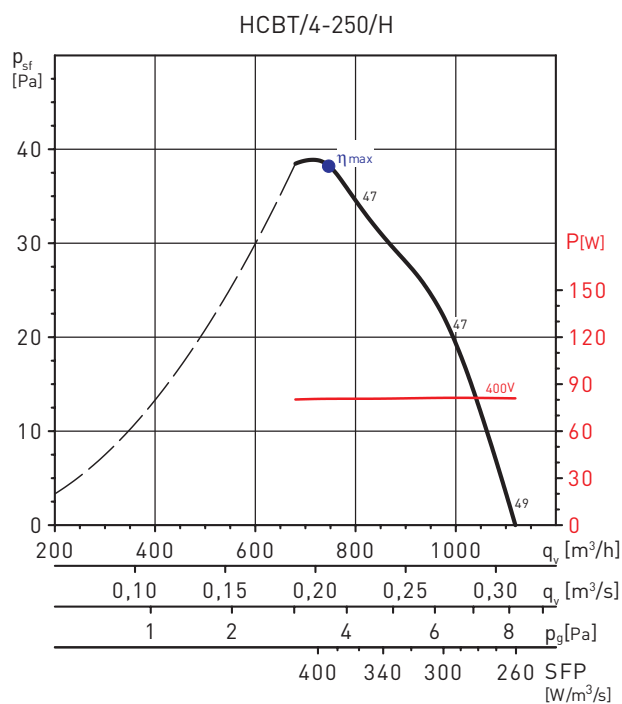
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 36,0 | 41,3 | 1,433 | 7896   | 235  | 1367  |

HCBB/4-630/H



| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 35,6 | 40,2 | 1,878 | 10817  | 223  | 1305  |

GRAFIEKEN - 4 POLEN

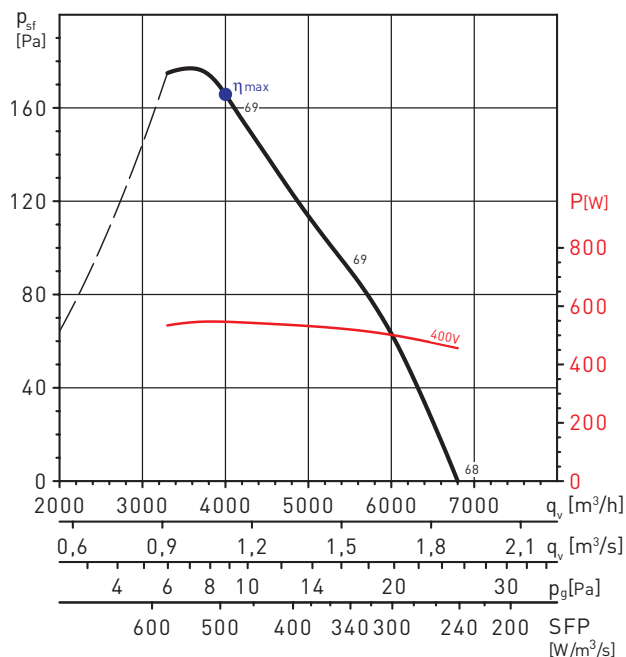


| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [ $m^3/h$ ] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|-------------|------|-------|
| A  | Static | No  | 1  | 29,0       | 40,0 | 0,179 | 2163        | 86   | 1372  |

| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [ $m^3/h$ ] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|-------------|------|-------|
| A  | Static | No  | 1  | 30,2       | 40,0 | 0,281 | 3127        | 98   | 1332  |

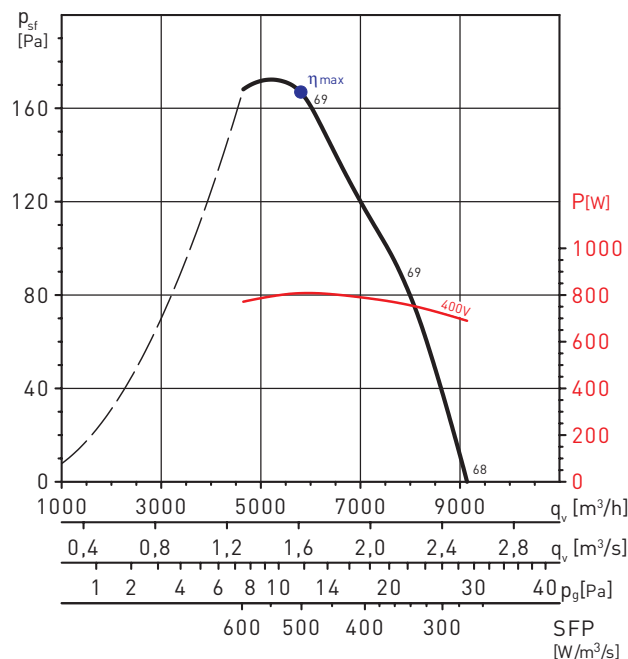
GRAFIEKEN - 4 POLEN

HCBT/4-450/H



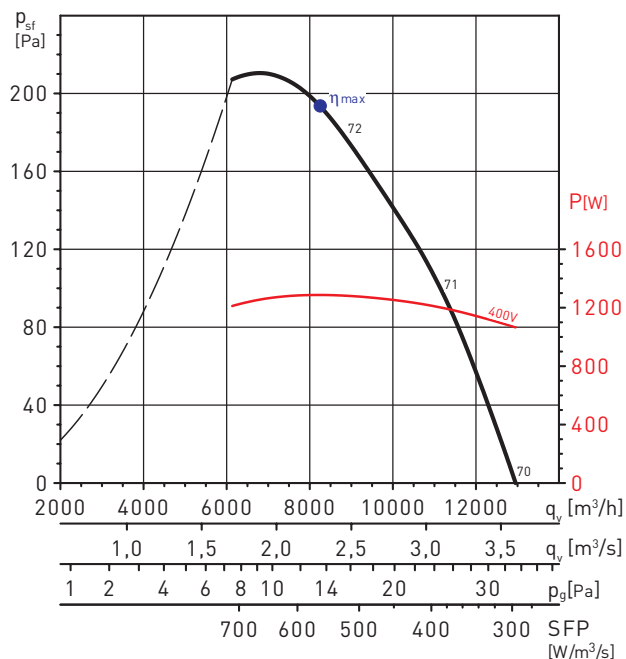
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 33,6 | 41,3 | 0,605 | 4179   | 175  | 1391  |

HCBT/4-500/H



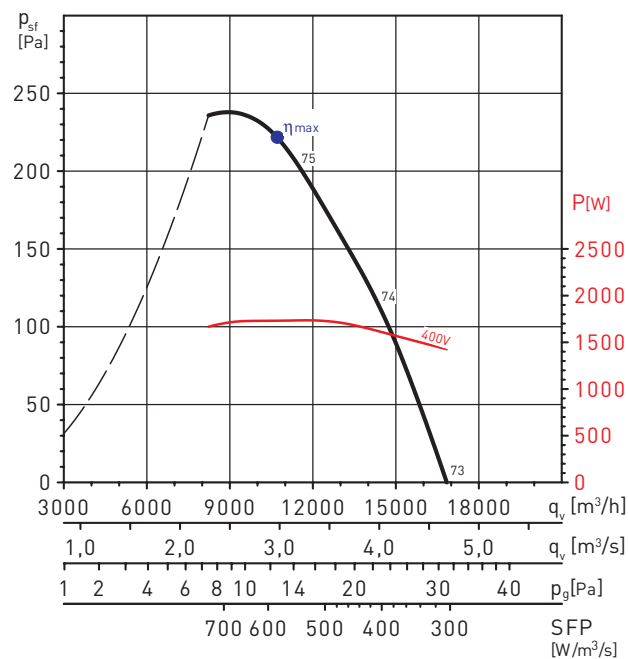
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 33,1 | 40,0 | 0,808 | 5793   | 167  | 1357  |

HCBT/4-560/H



| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 34,4 | 40,0 | 1,287 | 8244   | 194  | 1349  |

HCBT/4-630/H

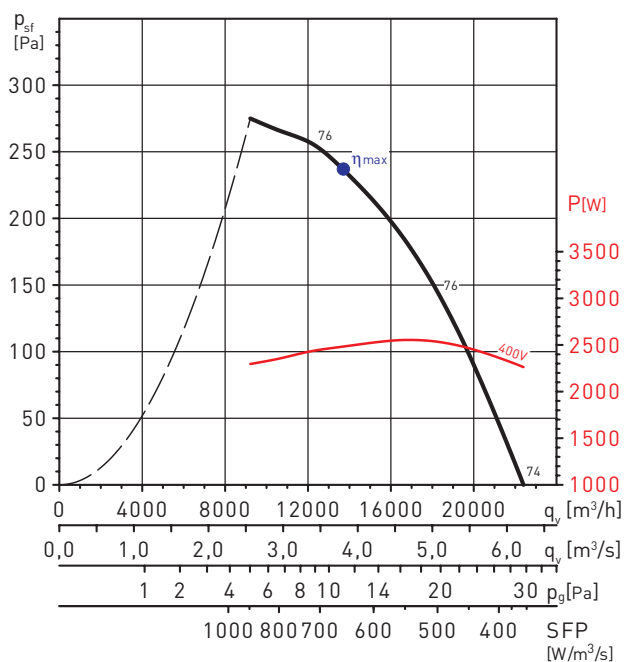


| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 38,1 | 42,9 | 1,731 | 10708  | 222  | 1355  |



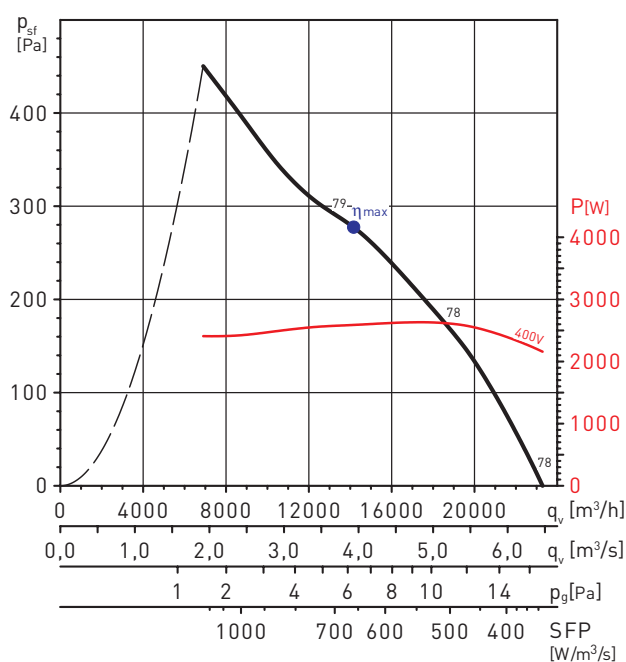
GRAFIEKEN - 4 POLEN

HCBT/4-710/H



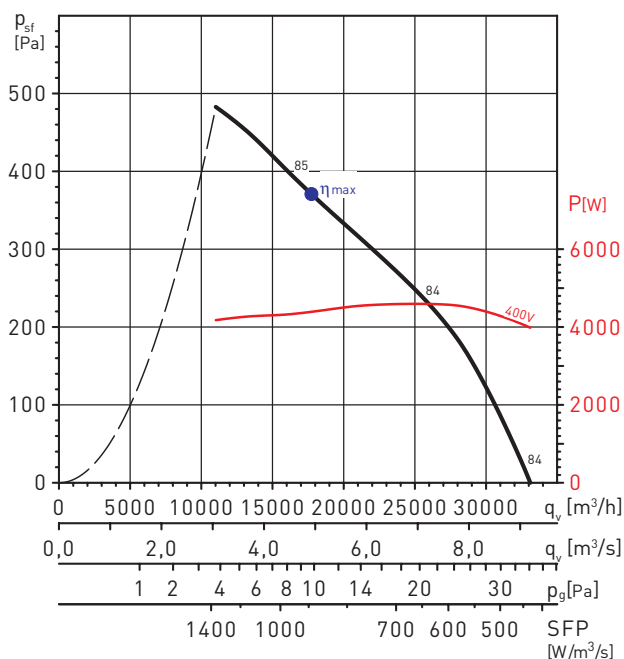
| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 36,3       | 40,1 | 2,483 | 13700  | 237  | 1326  |

HCBT/4-800/L



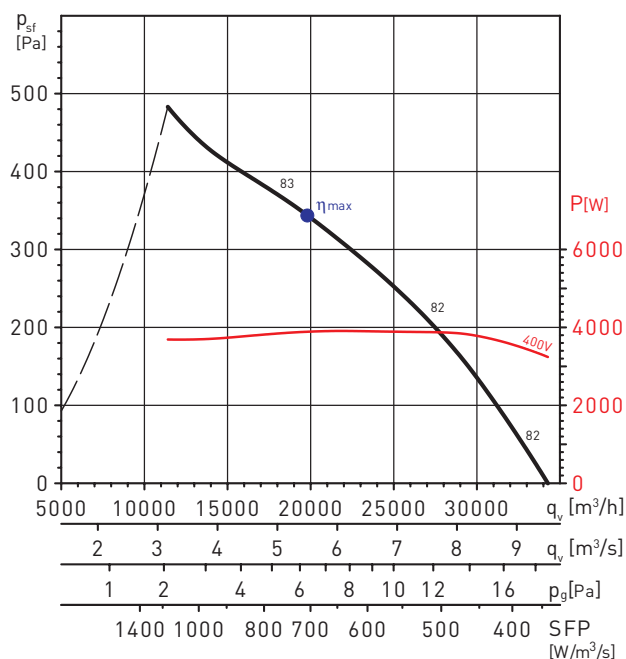
| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 42,2       | 45,9 | 2,589 | 14152  | 278  | 1376  |

HCBT/4-800/H



| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 41,7       | 44,0 | 4,389 | 17734  | 371  | 1431  |

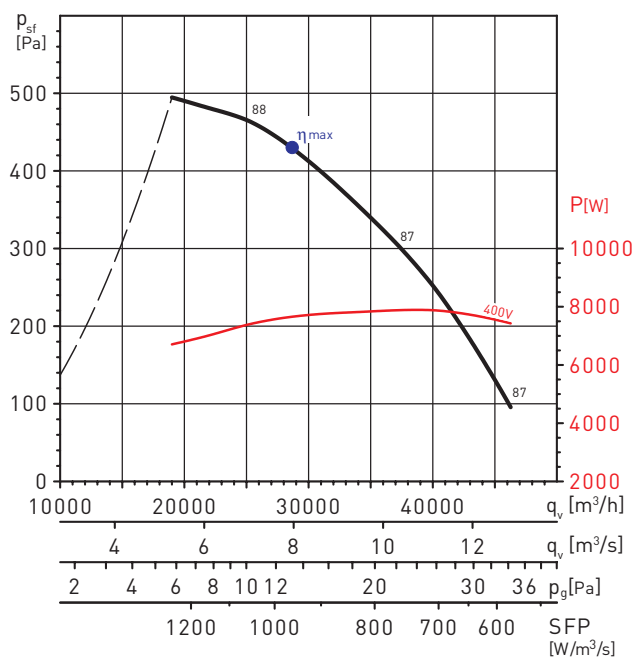
HCBT/4-900/L



| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 48,6       | 51,2 | 3,889 | 19789  | 344  | 1436  |

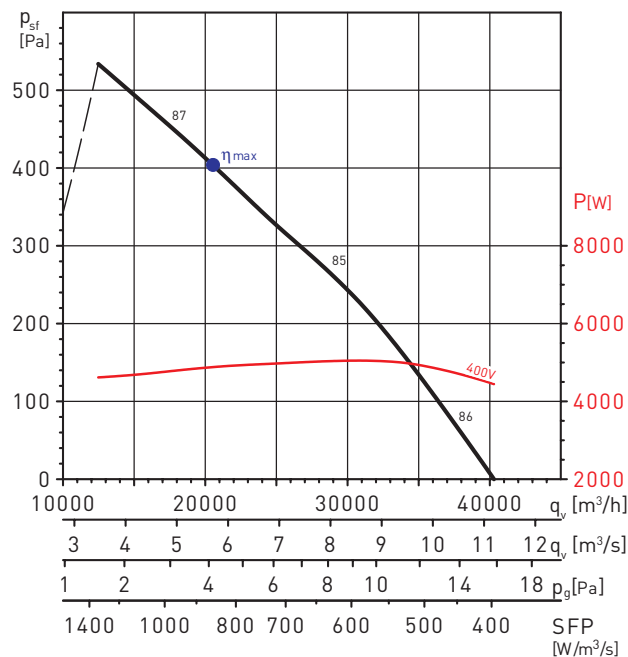
## GRAFIEKEN - 4 POLEN

HCBT/4-900/H



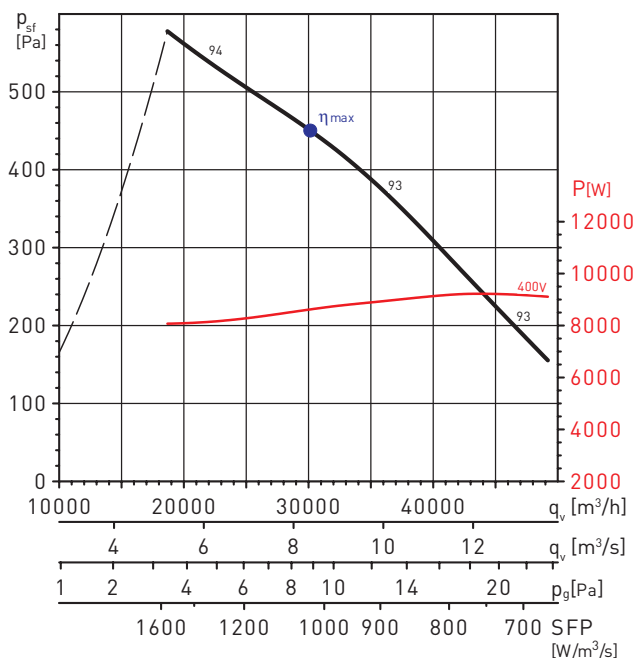
| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 44,7       | 45,5 | 7,657 | 28654  | 430  | 1446  |

HCBT/4-1000/L



| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 47,2       | 49,2 | 4,883 | 20544  | 404  | 1402  |

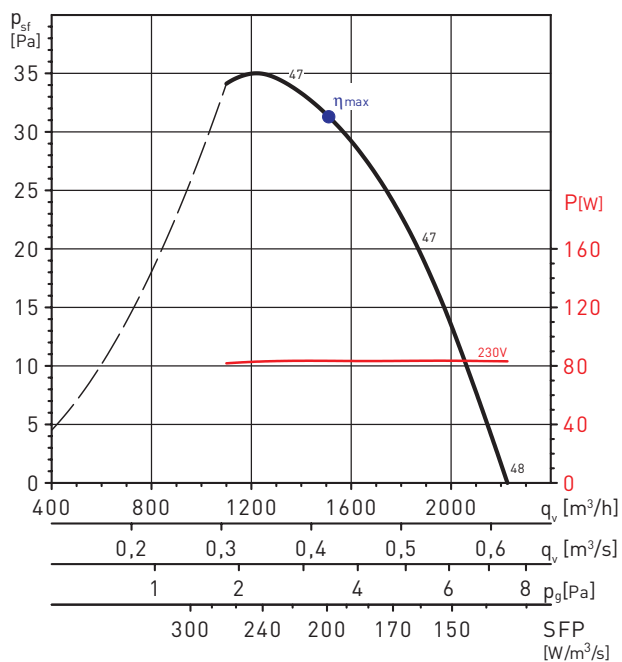
HCBT/4-1000/H



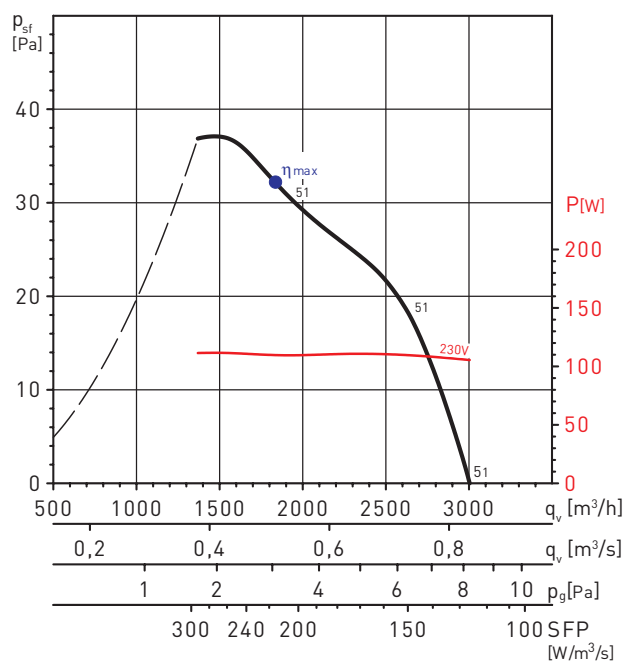
| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 43,7       | 44,1 | 8,620 | 30113  | 451  | 1437  |

GRAFIEKEN - 6 POLEN

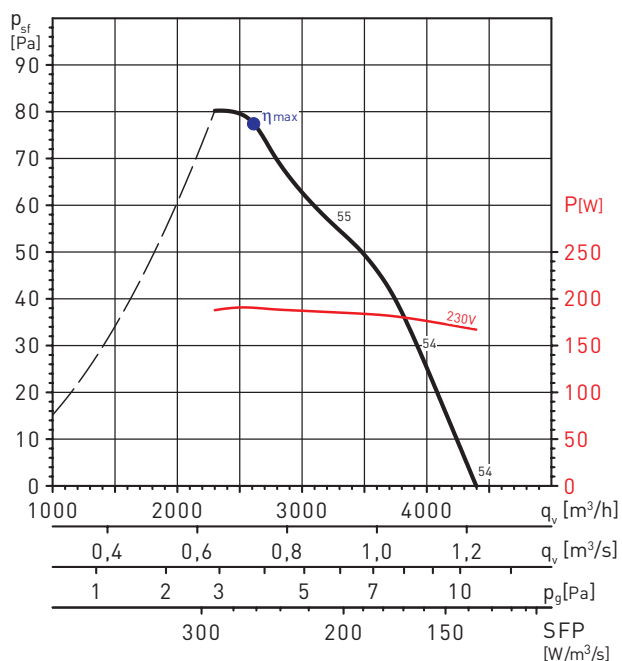
HCBB/6-355/H



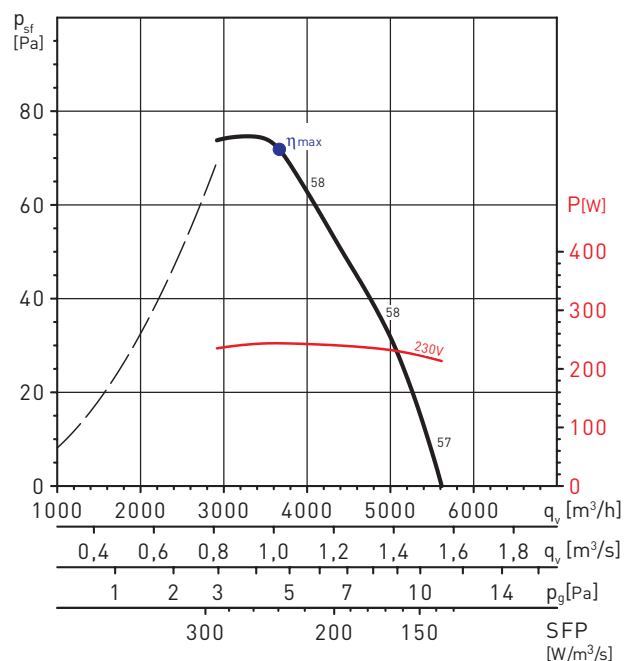
HCBB/6-400/H



HCBB/6-450/H



HCBB/6-500/H

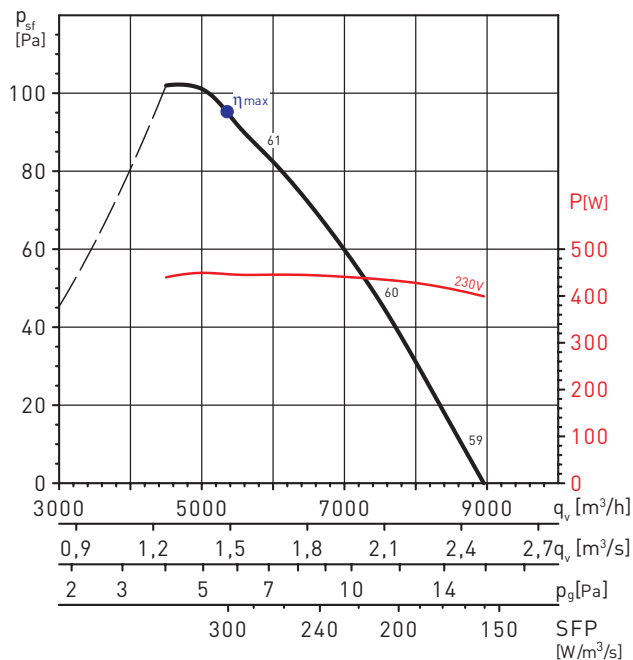


| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 29,3 | 40,2 | 0,190 | 2604   | 77   | 908   |

| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 29,9 | 40,1 | 0,244 | 3660   | 72   | 886   |

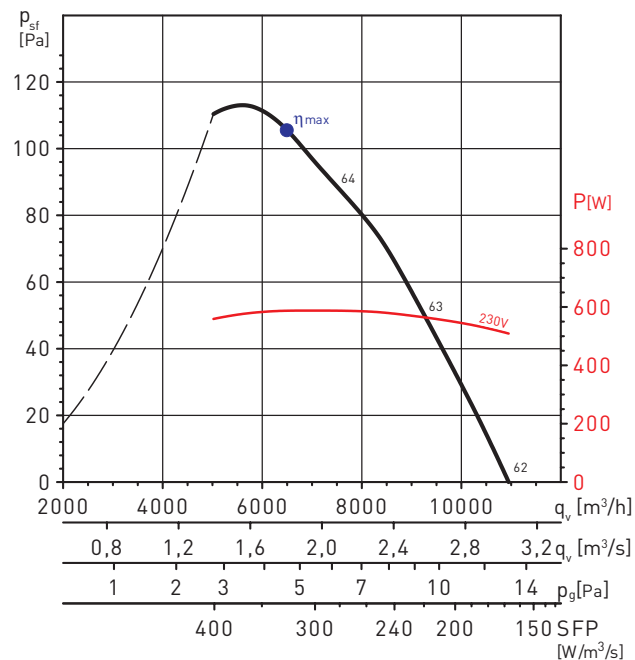
GRAFIEKEN - 6 POLEN

HCBB/6-560/H



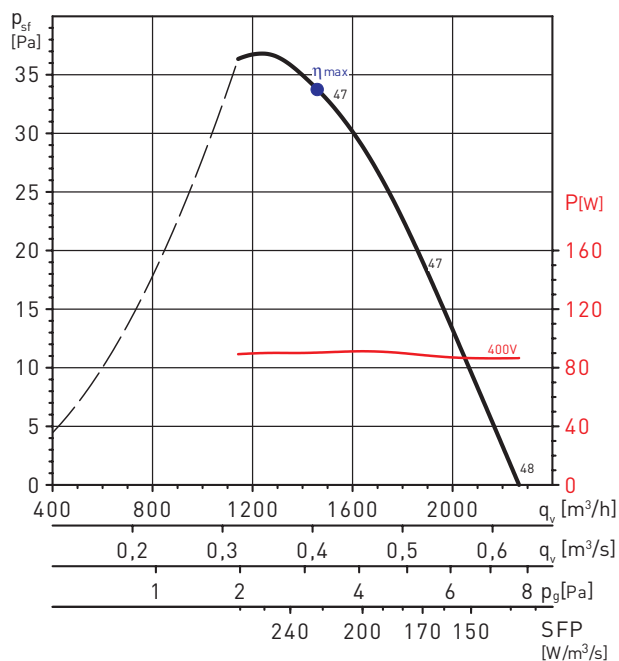
| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 31,6       | 40,1 | 0,447 | 5347   | 95   | 903   |

HCBB/6-630/H

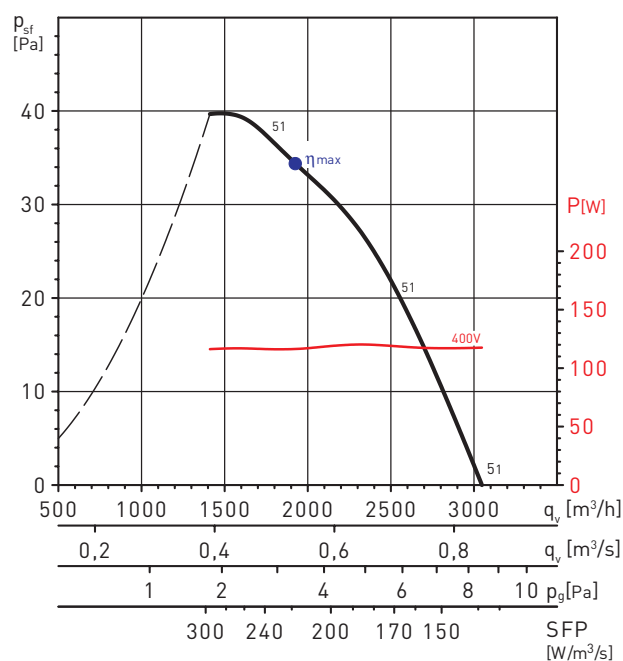


| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 32,4       | 40,2 | 0,587 | 6492   | 106  | 888   |

HCBT/6-355/H

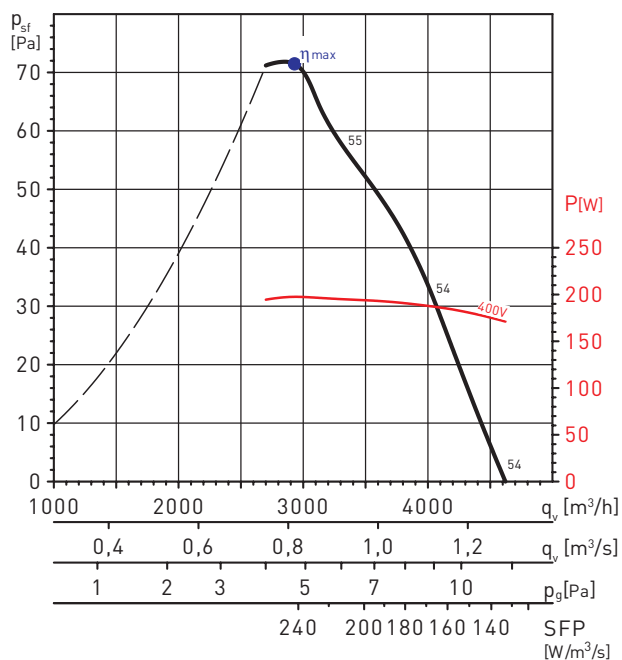


HCBT/6-400/H



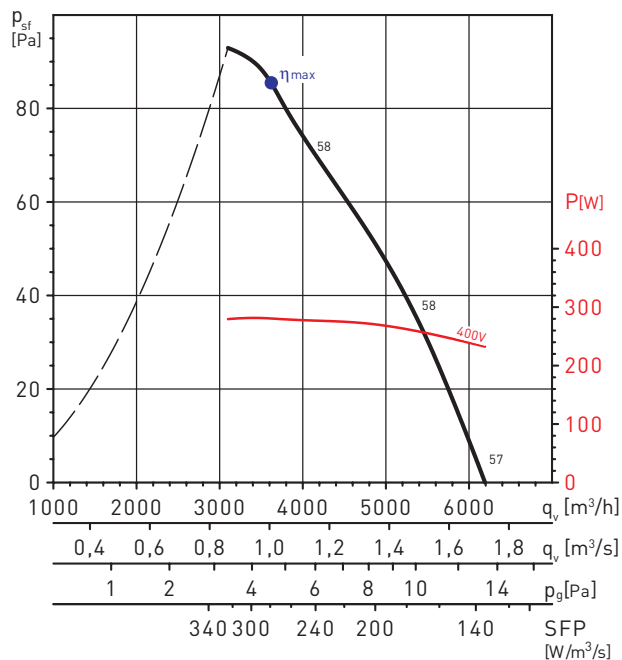
GRAFIEKEN - 6 POLEN

HCBT/6-450/H



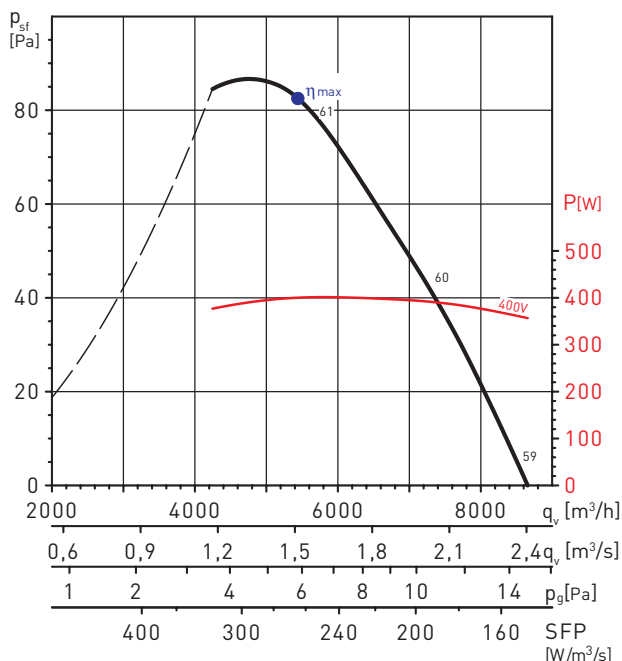
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 29,3 | 40,1 | 0,198 | 2925   | 71   | 904   |

HCBT/6-500/H



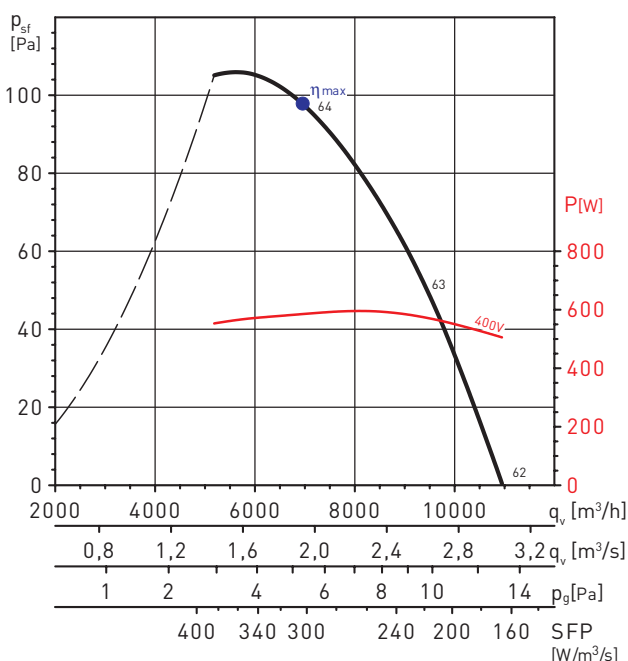
| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 30,3 | 40,1 | 0,281 | 3613   | 85   | 874   |

HCBT/6-560/H



| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 31,2 | 40,0 | 0,400 | 5444   | 83   | 876   |

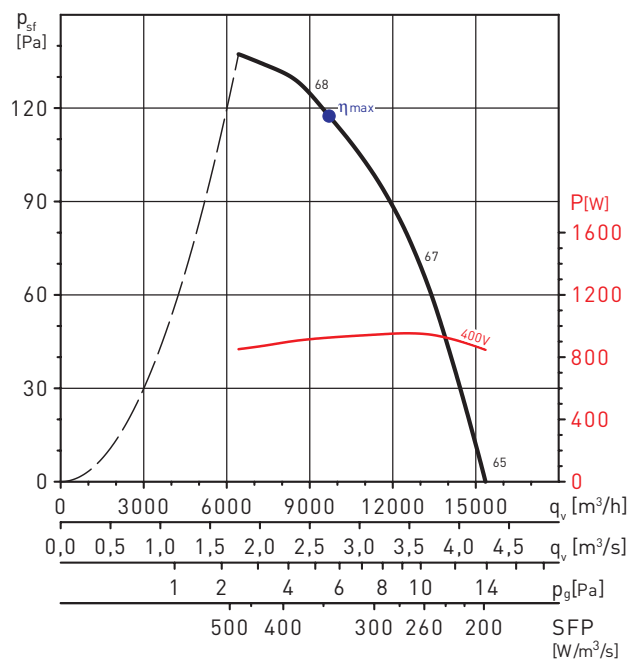
HCBT/6-630/H



| MC | EC     | VSD | SR | η[%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 32,3 | 40,1 | 0,585 | 6954   | 98   | 889   |

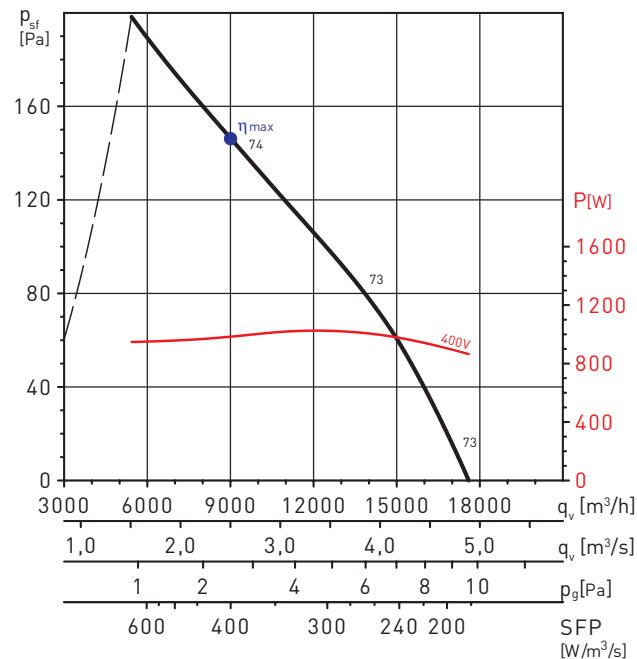
## GRAFIEKEN - 6 POLEN

HCBT/6-710/H



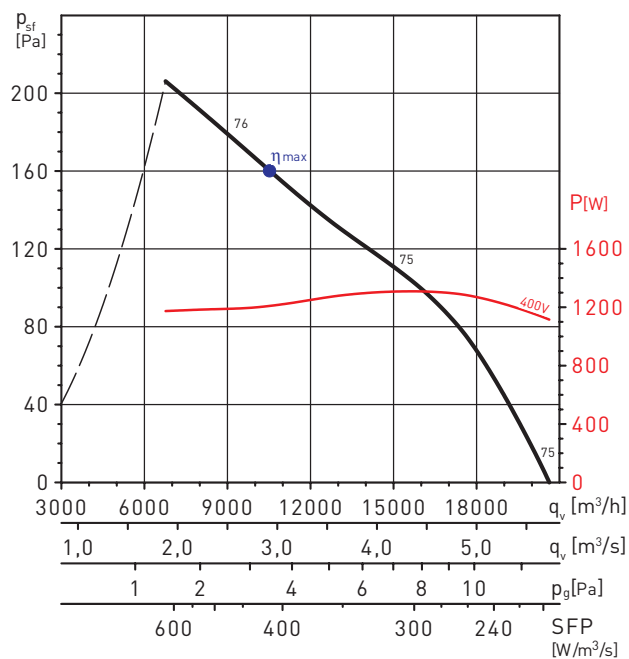
| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 34,2       | 40,7 | 0,926 | 9683   | 118  | 946   |

HCBT/6-800/L



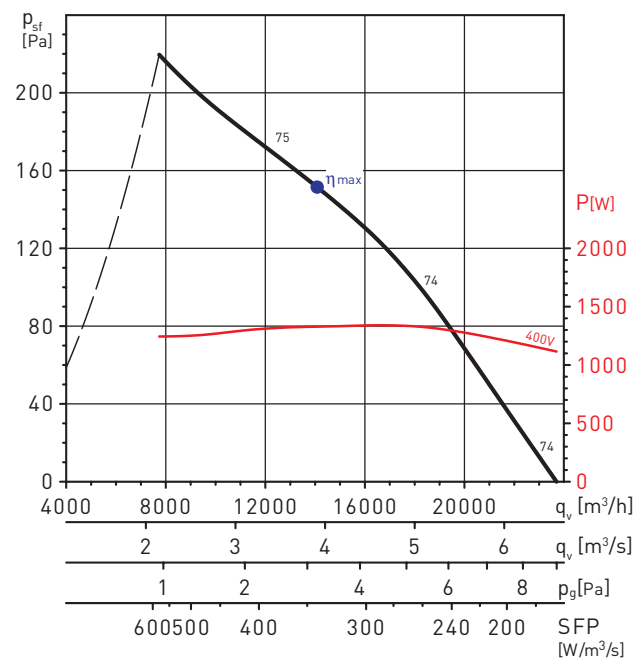
| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 37,2       | 43,6 | 0,984 | 9004   | 146  | 927   |

HCBT/6-800/H



| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 38,8       | 44,6 | 1,208 | 10519  | 160  | 923   |

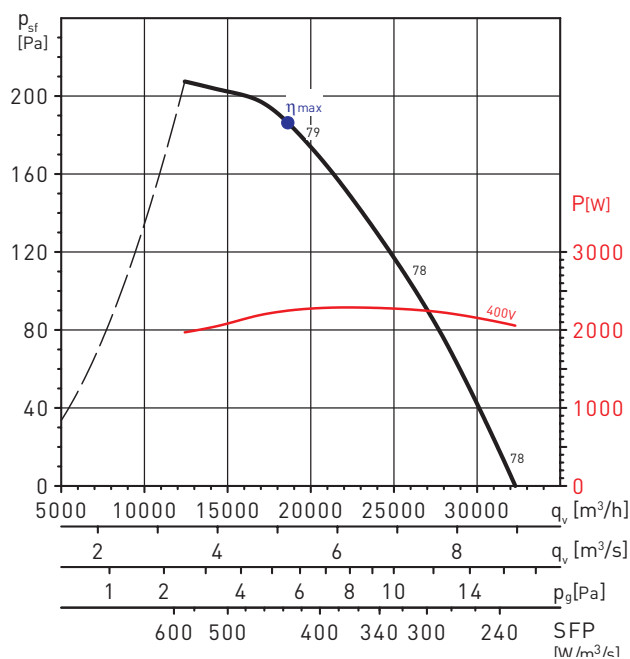
HCBT/6-900/L



| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 44,6       | 50,2 | 1,329 | 14066  | 152  | 953   |

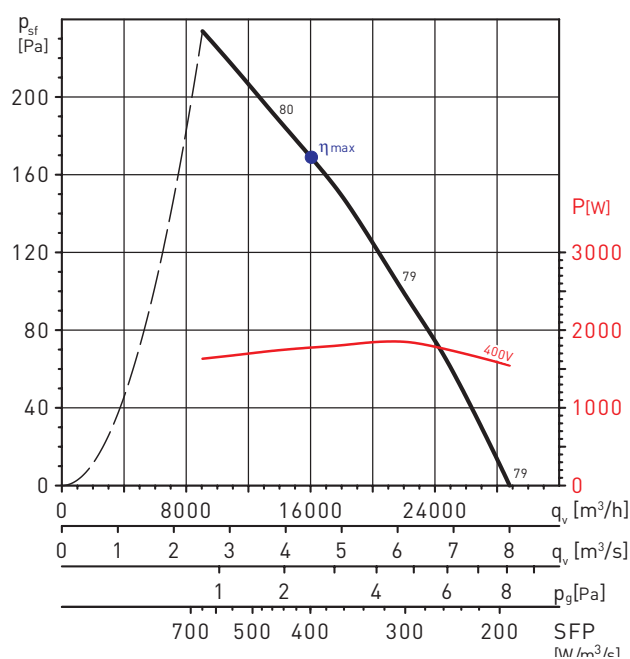
GRAFIEKEN - 6 POLEN

HCBT/6-900/H



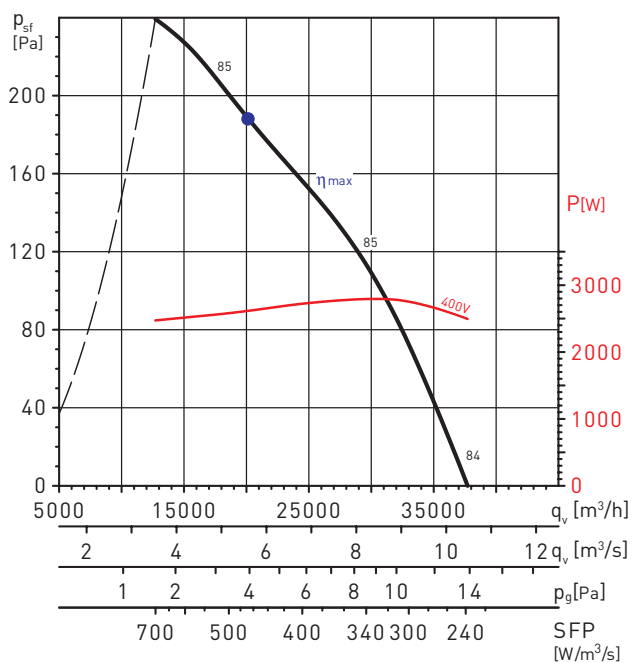
| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 42,8       | 46,9 | 2,247 | 18590  | 187  | 943   |

HCBT/6-1000/L



| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 42,4       | 47,2 | 1,775 | 16021  | 169  | 927   |

HCBT/6-1000/H



| MC | EC     | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|--------|-----|----|------------|------|-------|--------|------|-------|
| A  | Static | No  | 1  | 40,3       | 44,0 | 2,615 | 20140  | 188  | 929   |