# HCH
# HFT
# HCT

## *Robust wall-mounted axial or long-cased fans*

Robust wall-mounted axial or long-cased fans, PL version supplied with plastic impeller and AL version supplied with aluminium impeller

Fan:
- Airflow direction from motor to impeller
- PL version impellers in polyamide 6 reinforced with fibreglass and AL version in cast aluminium HCT-40-2T and HCT-45-2T models only in AL version
- HCH: Support ring in sheet steel
- HFT: Support ring in sheet steel with double clamp and packing boxes for cable entry
- HCT: Sheet steel long casing with external terminal board

Motor:
- Single-phase two-speed motors with IE-2 efficiency, except lower powers 0.75 kW.
- Class F motors, with ball bearings and IP55 protection, except single-phase versions from size 45 to size 56, IP54 protection.
  One-or two-speed depending on the model
- Single-phase 230V -50Hz. and three-phase 230/400V.50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Working temperature: -25ºC.+ 50ºC.

Finish:
- Anticorrosive finish in polyester resin, polymerised at 190ºC, after alkaline degreasing and phosphate-free pre-treatment.

On request:
- Airflow direction from impeller to motor.
- 100% reversible impellers
- Special windings for different voltages.
- ATEX certification, Category 2


HCH


HFT


HCT

## *Order code*

***HCH — 40 — 2T — 1,5 — PL***

HCH: Robust wall-mounted axial fans
HFT: Support ring in sheet steel with double clamp
HCT: Robust long-cased axial fans

Impeller diameter in cm.

Number of motor poles
2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz
6=900 r/min. 50 Hz
8=750 r/min. 50 Hz
12=500 r/min. 50 Hz

T=Three-phase
M=Single-phase

Motor power (C.V.)

PL=Plastic impeller
AL=Aluminium impeller

## *Technical characteristics*

| Model | | | Speed (r/min) | Maximum admissible current (A) 230V | 400V | 690V | Installed power (kW) | Maximum airflow ($m^3/h$) | Sound pressure level dB(A) | Approx. weight (Kg) HCH | HCT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | HCT | 25-2T | 2775 | 0.58 | 0.34 | | 0.12 | 1940 | 64 | | 7 |
| | HCT | 25-2M | 2775 | 0.90 | | | 0.12 | 1940 | 64 | | 7 |
| | HCT | 25-4T | 1445 | 0.57 | 0.33 | | 0.06 | 980 | 50 | | 7 |
| | HCT | 25-4M | 1445 | 0.58 | | | 0.06 | 980 | 50 | | 7 |
| | HCT | 31-2T | 2750 | 1.12 | 0.65 | | 0.18 | 2900 | 70 | | 8 |
| | HCT | 31-2M | 2700 | 1.45 | | | 0.18 | 2900 | 70 | | 8 |
| | HCT | 31-4T | 1450 | 0.60 | 0.34 | | 0.08 | 1550 | 52 | | 8 |
| | HCT | 31-4M | 1450 | 0.65 | | | 0.08 | 1550 | 52 | | 8 |
| HCH | HCT | 35-2T | 2800 | 2.15 | 1.25 | | 0.37 | 5750 | 77 | 9 | 12 |
| | HCT | 35-2M | 2750 | 2.90 | | | 0.37 | 5750 | 77 | | 12 |
| HCH | HCT | 35-4T | 1440 | 0.64 | 0.37 | | 0.10 | 3100 | 59 | 7 | 10 |
| | HCT | 35-4M | 1440 | 0.67 | | | 0.10 | 3100 | 59 | | 10 |
| HCH | HCT | 40-2T-1,5 | 2900 | 4.68 | 2.70 | | 1.10 | 8750 | 84 | 17 | 25 |
| HCH | HCT | 40-4T-0,33 | 1450 | 1.58 | 0.91 | | 0.25 | 5100 | 64 | 13 | 21 |
| | HCT | 45-2T-2 | 2900 | 5.89 | 3.40 | | 1.50 | 10300 | 86 | | 31 |
| | HCT | 45-2T-3 | 2900 | 8.23 | 4.75 | | 2.20 | 12800 | 88 | | 34 |
| | HCT | 45-2/4T-3 | 2910/1420 | - | 5.00/1.60 | | 2.20/0.60 | 12800/6400 | 88/73 | | 33 |
| HCH | HCT | 45-4T-0,5 | 1450 | 2.07 | 1.20 | | 0.37 | 7100 | 68 | 15 | 24 |
| HCH | HCT | 45-4M-0,5 | 1450 | 3.10 | | | 0.37 | 7100 | 68 | 15 | 24 |
| HCH | | | 950 | 1.47 | 0.85 | | 0.25 | 4750 | 55 | 14 | |
| HCH | | | 950 | 1.30 | | | 0.25 | 4750 | 55 | 15 | |
| | HCT | 50-4T-0,75 | 1450 | 3.00 | 1.73 | | 0.55 | 10300 | 70 | | 28 |
| HCH HFT | HCT | 56-4T-0,75 | 1450 | 3.12 | 1.80 | | 0.55 | 11000 | 72 | 21 | 33 |

## *Technical characteristics*

| Model | | | | Speed (r/min) | Maximum admissible current (A) 230V | 400V | 690V | Installed power (kW) | Maximum airflow ($m^3/h$) | Sound pressure level dB(A) | Approx. weight (Kg) HCH | HCT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HCH | HFT | HCT | 56-4M-0,75 | 1450 | 4.40 | | | 0.55 | 11000 | 72 | 21 | 33 |
| HCH | HFT | HCT | 56-4T-1 | 1450 | 3.46 | 2.00 | | 0.75 | 12900 | 73 | 22 | 34 |
| HCH | HFT | HCT | 56-4/8T-1 | 1430/710 | - | 2.15/0.90 | | 0.75/0.15 | 12900/6450 | 73/58 | 23 | 35 |
| HCH | HFT | HCT | 56-4T-1,5 | 1450 | 5.20 | 3.00 | | 1.10 | 14000 | 74 | 26 | 37 |
| HCH | HFT | HCT | 56-4/8T-1,5 | 1440/710 | - | 3.15/1.30 | | 1.10/0.25 | 14000/7000 | 74/59 | 24 | 35 |
| HCH | HFT | HCT | 56-4T-2 | 1450 | 6.41 | 3.70 | | 1.50 | 15300 | 75 | 28 | 39 |
| HCH | HFT | HCT | 56-4/8T-2 | 1420/700 | - | 3.50/1.50 | | 1.50/0.37 | 15300/7650 | 75/60 | 28 | 39 |
| HCH | HFT | HCT | 56-6T -0,33 | 950 | 1.47 | 0.85 | | 0.25 | 8400 | 61 | 18 | 30 |
| HCH | HFT | HCT | 56-6M -0,33 | 950 | 1.85 | | | 0.25 | 8400 | 61 | 19 | 31 |
| HCH | HFT | HCT | 56-6T -0,5 | 950 | 2.11 | 1.22 | | 0.37 | 9300 | 61 | 20 | 32 |
| HCH | HFT | HCT | 56-6T -0,75 | 950 | 2.96 | 1.71 | | 0.55 | 10000 | 62 | 22 | 34 |
| HCH | HFT | HCT | 63-4T-1 | 1450 | 3.46 | 2.00 | | 0.75 | 14100 | 73 | 27 | 42 |
| HCH | HFT | HCT | 63-4/8T-1 | 1430/710 | - | 2.15/0.90 | | 0.75/0.15 | 14100/7050 | 73/58 | 27 | 43 |
| HCH | HFT | HCT | 63-4T-1,5 | 1450 | 5.20 | 3.00 | | 1.10 | 17000 | 74 | 30 | 45 |
| HCH | HFT | HCT | 63-4/8T-1,5 | 1440/710 | - | 3.15/1.30 | | 1.10/0.25 | 17000/8500 | 74/59 | 29 | 44 |
| HCH | HFT | HCT | 63-4T-2 | 1450 | 6.41 | 3.70 | | 1.50 | 18900 | 75 | 33 | 48 |
| HCH | HFT | HCT | 63-4/8T-2 | 1420/700 | - | 3.50/1.50 | | 1.50/0.37 | 18900/9450 | 75/60 | 32 | 48 |
| HCH | HFT | HCT | 63-4T-3 | 1450 | 8.49 | 4.9 | | 2.20 | 22000 | 76 | 41 | 57 |
| HCH | HFT | HCT | 63-4/8T-3 | 1430/710 | - | 4.90/1.70 | | 2.20/0.45 | 22000/11000 | 76/61 | 38 | 54 |
| HCH | HFT | HCT | 63-4T-4 | 1450 | 11.78 | 6.80 | | 3.00 | 25200 | 77 | 43 | 59 |
| HCH | HFT | HCT | 63-4/8T-4 | 1430/710 | - | 6.50/2.30 | | 3.00/0.60 | 25200/12600 | 77/62 | 42 | 57 |
| HCH | HFT | HCT | 63-6T -0,5 | 950 | 2.11 | 1.22 | | 0.37 | 12000 | 64 | 25 | 40 |
| HCH | HFT | HCT | 63-6M -0,5 | 950 | 2.80 | | | 0.37 | 12000 | 64 | 25 | 40 |
| HCH | HFT | HCT | 63-6T -0,75 | 950 | 2.96 | 1.71 | | 0.55 | 12600 | 65 | 27 | 42 |
| HCH | HFT | HCT | 63-6T -1 | 950 | 3.91 | 2.26 | | 0.75 | 13800 | 66 | 33 | 48 |
| HCH | HFT | HCT | 63-6/12T-1 | 935/435 | - | 2.20/0.87 | | 0.75/0.15 | 13800/6900 | 66/51 | 32 | 47 |
| HCH | HFT | HCT | 71-4T-1,5 | 1450 | 5.20 | 3.00 | | 1.10 | 19900 | 78 | 33 | 52 |
| HCH | HFT | HCT | 71-4/8T-1,5 | 1440/710 | - | 3.15/1.30 | | 1.10/0.25 | 19900/9950 | 78/63 | 32 | 51 |
| HCH | HFT | HCT | 71-4T-2 | 1450 | 6.41 | 3.70 | | 1.50 | 21000 | 79 | 36 | 55 |
| HCH | HFT | HCT | 71-4/8T-2 | 1420/700 | - | 3.50/1.50 | | 1.50/0.37 | 21000/10500 | 79/64 | 35 | 54 |
| HCH | HFT | HCT | 71-4T-3 | 1450 | 8.49 | 4.90 | | 2.20 | 24000 | 81 | 45 | 64 |
| HCH | HFT | HCT | 71-4/8T-3 | 1430/710 | - | 4.90/1.70 | | 2.20/0.45 | 24000/12000 | 81/66 | 42 | 61 |
| HCH | HFT | HCT | 71-4T-4 | 1450 | 11.78 | 6.80 | | 3.00 | 29400 | 82 | 47 | 66 |
| HCH | HFT | HCT | 71-4/8T-4 | 1430/710 | - | 6.50/2.30 | | 3.00/0.60 | 29400/14700 | 82/67 | 46 | 64 |
| HCH | HFT | HCT | 71-6T -0,75 | 950 | 2.96 | 1.71 | | 0.55 | 15000 | 67 | 29 | 49 |
| HCH | HFT | HCT | 71-6M -0,75 | 950 | 3.80 | | | 0.55 | 15000 | 67 | 29 | 49 |
| HCH | HFT | HCT | 71-6T -1 | 950 | 3.91 | 2.26 | | 0.75 | 17200 | 68 | 36 | 55 |
| HCH | HFT | HCT | 71-6/12T-1 | 950/435 | - | 2.26/0.87 | | 0.75/0.15 | 17200/8600 | 68/53 | 35 | 54 |
| HCH | HFT | HCT | 71-6T -1,5 | 950 | 5.00 | 2.89 | | 1.10 | 21100 | 69 | 38 | 57 |
| HCH | HFT | HCT | 71-6/12T-1,5 | 950/470 | - | 3.00/1.15 | | 1.10/0.18 | 21100/10550 | 69/54 | 37 | 56 |
| HCH | HFT | HCT | 80-4T-3 | 1450 | 8.49 | 4.90 | | 2.20 | 29500 | 82 | 53 | 72 |
| HCH | HFT | HCT | 80-4/8T-3 | 1430/710 | - | 4.90/1.70 | | 2.20/0.45 | 29500/14750 | 82/67 | 50 | 69 |
| HCH | HFT | HCT | 80-4T-4 | 1450 | 11.78 | 6.80 | | 3.00 | 37000 | 83 | 55 | 74 |
| HCH | HFT | HCT | 80-4/8T-4 | 1430/710 | - | 6.50/2.30 | | 3.00/0.60 | 37000/18500 | 83/68 | 54 | 73 |
| HCH | HFT | HCT | 80-4T-5,5 | 1450 | 15.24 | 8.80 | | 4.00 | 40500 | 84 | 60 | 79 |
| HCH | HFT | HCT | 80-4/8T-5,5 | 1430/710 | - | 8.80/2.90 | | 4.00/0.80 | 40500/20250 | 84/69 | 66 | 85 |
| HCH | HFT | HCT | 80-6T -1 | 950 | 4.16 | 2.40 | | 0.75 | 23000 | 71 | 44 | 64 |
| HCH | HFT | HCT | 80-6/12T-1 | 950/435 | - | 2.40/0.87 | | 0.75/0.15 | 23000/11500 | 71/56 | 43 | 63 |
| HCH | HFT | HCT | 80-6T -1,5 | 950 | 5.80 | 3.35 | | 1.10 | 26000 | 72 | 46 | 66 |
| HCH | HFT | HCT | 80-6/12T-1,5 | 950/470 | - | 3.35/1.15 | | 1.10/0.18 | 26000/13000 | 72/57 | 45 | 65 |
| HCH | HFT | HCT | 80-6T -2 | 950 | 7.62 | 4.40 | | 1.50 | 29700 | 73 | 52 | 71 |
| HCH | HFT | HCT | 80-6/12T-2 | 970/470 | - | 4.60/1.90 | | 1.50/0.25 | 29700/14850 | 73/58 | 62 | 81 |
| HCH | HFT | HCT | 80-6T -3 | 950 | 9.35 | 5.40 | | 2.20 | 33500 | 74 | 57 | 76 |
| HCH | HFT | HCT | 80-6/12T-3 | 940/470 | - | 5.60/2.20 | | 2.20/0.37 | 33500/16750 | 74/59 | 62 | 81 |
| HCH | HFT | HCT | 80-8T-0,5 | 720 | 2.77 | 1.60 | | 0.37 | 16500 | 69 | 43 | 63 |
| HCH | HFT | HCT | 80-8T-0,75 | 720 | 3.26 | 1.88 | | 0.55 | 19500 | 70 | 45 | 65 |
| HCH | HFT | HCT | 80-8T-1 | 720 | 4.23 | 2.44 | | 0.75 | 22000 | 71 | 50 | 69 |
| HCH | HFT | HCT | 90-4T-4 | 1450 | 11.95 | 6.90 | | 3.00 | 40000 | 87 | 62 | 90 |
| HCH | HFT | HCT | 90-4/8T-4 | 1430/710 | - | 6.90/2.30 | | 3.00/0.60 | 40000/20000 | 87/72 | 61 | 88 |
| HCH | HFT | HCT | 90-4T-5,5 | 1450 | 15.24 | 8.80 | | 4.00 | 46500 | 89 | 67 | 95 |
| HCH | HFT | HCT | 90-4/8T-5,5 | 1450/710 | - | 8.80/2.90 | | 4.00/0.80 | 46500/23250 | 89/74 | 73 | 101 |
| HCH | HFT | HCT | 90-4T-7,5 | 1450 | - | 12.40 | 7.20 | 5.50 | 51000 | 91 | 83 | 109 |
| HCH | HFT | HCT | 90-4/8T-7,5 | 1460/725 | - | 12.50/4.10 | | 5.50/1.10 | 51000/25500 | 91/76 | 93 | 119 |
| HCH | HFT | HCT | 90-4T-10 | 1450 | - | 15.60 | 9.00 | 7.50 | 54700 | 92 | 94 | 120 |
| HCH | HFT | HCT | 90-4/8T-10 | 1460/725 | - | 15.30/5.40 | | 7.50/1.50 | 54700/27350 | 92/77 | 98 | 124 |

## Technical characteristics

| Model | | | | Speed (r/min) | Maximum admissible current (A) 230V | 400V | 690V | Installed power (kW) | Maximum airflow (m³/h) | Sound pressure level dB(A) | Approx. weight (Kg) HCH | HCT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HCH | HFT | HCT | 90-6T -2 | 950 | 7.62 | 4.40 | | 1.50 | 34300 | 77 | 59 | 87 |
| HCH | HFT | HCT | 90-6/12T-2 | 970/470 | - | 4.60/1.90 | | 1.50/0.25 | 34300/17150 | 77/62 | 69 | 97 |
| HCH | HFT | HCT | 90-6T -3 | 950 | 9.35 | 5.40 | | 2.20 | 38000 | 78 | 64 | 92 |
| HCH | HFT | HCT | 90-6/12T-3 | 940/470 | - | 5.60/2.20 | | 2.20/0.37 | 38000/19000 | 78/63 | 69 | 97 |
| HCH | HFT | HCT | 90-6T -4 | 950 | 12.66 | 7.31 | | 3.00 | 42400 | 79 | 88 | 114 |
| HCH | HFT | HCT | 90-6/12T-4 | 960/470 | - | 8.20/3.40 | | 3.00/0.55 | 42400/21200 | 79/64 | 87 | 113 |
| HCH | HFT | HCT | 90-8T-1 | 720 | 4.23 | 2.44 | | 0.75 | 22500 | 71 | 57 | 85 |
| HCH | HFT | HCT | 90-8T-1,5 | 720 | 5.99 | 3.46 | | 1.10 | 24000 | 72 | 60 | 88 |
| HCH | HFT | HCT | 90-8T-2 | 720 | 7.36 | 4.25 | | 1.50 | 26000 | 73 | 71 | 99 |
| HCH | HFT | HCT | 90-8T-3 | 720 | 9.75 | 5.63 | | 2.20 | 30000 | 74 | 98 | 124 |
| HCH | HFT | HCT | 100-4T-7,5 | 1450 | - | 11.90 | 6.90 | 5.50 | 54000 | 92 | 91 | 121 |
| HCH | HFT | HCT | 100-4/8T-7,5 | 1460/725 | - | 12.50/4.10 | | 5.50/1.10 | 54000/27000 | 92/77 | 101 | 128 |
| HCH | HFT | HCT | 100-4T-10 | 1450 | - | 16.90 | 9.80 | 7.50 | 63000 | 93 | 102 | 131 |
| HCH | HFT | HCT | 100-4/8T-10 | 1460/725 | - | 16.90/5.40 | | 7.50/1.50 | 63000/31500 | 93/78 | 106 | 135 |
| HCH | HFT | HCT | 100-4T-15 | 1460 | - | 22.50 | 13.00 | 11.00 | 68000 | 94 | 125 | 160 |
| HCH | HFT | HCT | 100-4/8T-15 | 1460/735 | - | 21.00/7.40 | | 10.50/2.20 | 68000/34000 | 94/79 | 125 | 160 |
| HCH | HFT | HCT | 100-4T-20 | 1455 | - | 30.00 | 17.30 | 15.00 | 72000 | 95 | 144 | 179 |
| HCH | HFT | HCT | 100-4/8T-20 | 1460/735 | - | 30.00/9.50 | | 15.50/2.70 | 72000/36000 | 95/80 | 140 | 175 |
| HCH | HFT | HCT | 100-6T -3 | 950 | 10.05 | 5.80 | | 2.20 | 43000 | 82 | 72 | 103 |
| HCH | HFT | HCT | 100-6/12T-3 | 940/470 | - | 5.80/2.20 | | 2.20/0.37 | 43000/21500 | 82/67 | 77 | 108 |
| HCH | HFT | HCT | 100-6T -4 | 950 | 12.66 | 7.31 | | 3.00 | 47000 | 83 | 96 | 125 |
| HCH | HFT | HCT | 100-6/12T-4 | 960/470 | - | 8.20/3.40 | | 3.00/0.55 | 47000/23500 | 83/68 | 95 | 124 |
| HCH | HFT | HCT | 100-6T -5,5 | 950 | 15.76 | 9.10 | | 4.00 | 53000 | 84 | 104 | 133 |
| HCH | HFT | HCT | 100-6/12T-5,5 | 970/480 | - | 11.00/4.00 | | 4.00/0.65 | 53000/26500 | 84/69 | 100 | 129 |
| HCH | HFT | HCT | 100-8T-1,5 | 720 | 6.32 | 3.65 | | 1.10 | 32500 | 76 | 67 | 99 |
| HCH | HFT | HCT | 100-8T-2 | 720 | 7.36 | 4.25 | | 1.50 | 33900 | 77 | 79 | 110 |
| HCH | HFT | HCT | 100-8T-3 | 720 | 9.75 | 5.63 | | 2.20 | 35000 | 77 | 106 | 135 |
| HCH | HFT | HCT | 100-8T-4 | 720 | 12.51 | 7.22 | | 3.00 | 38000 | 78 | 114 | 143 |

## Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

**Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.**

| Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|---|---|---|---|---|---|---|---|---|
| 25-2 | 35 | 50 | 69 | 68 | 69 | 68 | 63 | 54 |
| 25-4 | 21 | 36 | 55 | 54 | 55 | 54 | 49 | 40 |
| 31-2 | 41 | 56 | 75 | 74 | 75 | 74 | 69 | 60 |
| 31-4 | 23 | 38 | 57 | 56 | 57 | 56 | 51 | 42 |
| 35-2 | 48 | 63 | 82 | 81 | 82 | 81 | 76 | 67 |
| 35-4 | 30 | 45 | 64 | 63 | 64 | 63 | 58 | 49 |
| 40-2 | 55 | 70 | 89 | 88 | 89 | 88 | 83 | 74 |
| 40-4 | 35 | 50 | 69 | 68 | 69 | 68 | 63 | 54 |
| 45-2-2 | 51 | 68 | 80 | 88 | 93 | 93 | 89 | 82 |
| 45-2-3 | 53 | 70 | 82 | 90 | 95 | 95 | 91 | 84 |
| 45-4-3 (2v) | 38 | 55 | 67 | 75 | 80 | 80 | 76 | 69 |
| 45-4-0,5 | 33 | 50 | 62 | 70 | 75 | 75 | 71 | 64 |
| 45-6 | 20 | 37 | 49 | 57 | 62 | 62 | 58 | 51 |
| 50-4 | 37 | 54 | 67 | 74 | 79 | 80 | 75 | 68 |
| 56-4-0,75 | 47 | 67 | 75 | 80 | 82 | 79 | 72 | 61 |
| 56-4-1 | 48 | 68 | 76 | 81 | 83 | 80 | 73 | 62 |
| 56-8-1 (2v) | 33 | 53 | 61 | 66 | 68 | 65 | 58 | 47 |
| 56-4-1,5 | 49 | 69 | 77 | 82 | 84 | 81 | 74 | 63 |
| 56-8-1,5 (2v) | 34 | 54 | 62 | 67 | 69 | 66 | 59 | 48 |
| 56-4-2 | 50 | 70 | 78 | 83 | 85 | 82 | 75 | 64 |
| 56-8-2 (2v) | 35 | 55 | 63 | 68 | 70 | 67 | 60 | 49 |
| 56-6-0,33 | 36 | 56 | 64 | 69 | 71 | 68 | 61 | 50 |
| 56-6-0,5 | 36 | 56 | 64 | 69 | 71 | 68 | 61 | 50 |
| 56-6-0,75 | 37 | 57 | 65 | 70 | 72 | 69 | 62 | 51 |
| 63-4-1 | 50 | 70 | 78 | 83 | 85 | 82 | 75 | 64 |
| 63-8-1 (2v) | 35 | 55 | 63 | 68 | 70 | 67 | 60 | 49 |
| 63-4-1,5 | 51 | 71 | 79 | 84 | 86 | 83 | 76 | 65 |
| 63-8-1,5 (2v) | 36 | 56 | 64 | 69 | 71 | 68 | 61 | 50 |
| 63-4-2 | 52 | 72 | 80 | 85 | 87 | 84 | 77 | 66 |
| 63-8-2 (2v) | 37 | 57 | 65 | 70 | 72 | 69 | 62 | 51 |
| 63-4-3 | 53 | 73 | 81 | 86 | 88 | 85 | 78 | 67 |
| 63-8-3 (2v) | 38 | 58 | 66 | 71 | 73 | 70 | 63 | 52 |
| 63-4-4 | 54 | 74 | 82 | 87 | 89 | 86 | 79 | 68 |
| 63-8-4 (2v) | 39 | 59 | 67 | 72 | 74 | 71 | 64 | 53 |
| 63-6-0,5 | 41 | 61 | 69 | 74 | 76 | 73 | 66 | 55 |
| 63-6-0,75 | 42 | 62 | 70 | 75 | 77 | 74 | 67 | 56 |
| 63-6-1 | 43 | 63 | 71 | 76 | 78 | 75 | 68 | 57 |
| 63-12-1 (2v) | 28 | 48 | 56 | 61 | 63 | 60 | 53 | 42 |

| Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|---|---|---|---|---|---|---|---|---|
| 71-4-1,5 | 55 | 75 | 83 | 88 | 90 | 87 | 80 | 69 |
| 71-8-1,5 (2v) | 40 | 60 | 68 | 73 | 75 | 72 | 65 | 54 |
| 71-4-2 | 56 | 76 | 84 | 89 | 91 | 88 | 81 | 70 |
| 71-8-2 (2v) | 41 | 61 | 69 | 74 | 76 | 73 | 66 | 55 |
| 71-4-3 | 58 | 78 | 86 | 91 | 93 | 90 | 83 | 72 |
| 71-8-3 (2v) | 43 | 63 | 71 | 76 | 78 | 75 | 68 | 57 |
| 71-4-4 | 59 | 79 | 87 | 92 | 94 | 91 | 84 | 73 |
| 71-8-4 (2v) | 44 | 64 | 72 | 77 | 79 | 76 | 69 | 58 |
| 71-6-0,75 | 44 | 64 | 72 | 77 | 79 | 76 | 69 | 58 |
| 71-6-1 | 45 | 65 | 73 | 78 | 80 | 77 | 70 | 59 |
| 71-12-1 (2v) | 30 | 50 | 58 | 63 | 65 | 62 | 55 | 44 |
| 71-6-1,5 | 46 | 66 | 74 | 79 | 81 | 78 | 71 | 60 |
| 71-12-1,5 (2v) | 31 | 51 | 59 | 64 | 66 | 63 | 56 | 45 |
| 80-4-3 | 59 | 79 | 87 | 92 | 94 | 91 | 84 | 73 |
| 80-8-3 (2v) | 44 | 64 | 72 | 77 | 79 | 76 | 69 | 58 |
| 80-4-4 | 60 | 80 | 88 | 93 | 95 | 92 | 85 | 74 |
| 80-8-4 (2v) | 45 | 65 | 73 | 78 | 80 | 77 | 70 | 59 |
| 80-4-5,5 | 61 | 81 | 89 | 94 | 96 | 93 | 86 | 75 |
| 80-8-5,5 (2v) | 46 | 66 | 74 | 79 | 81 | 78 | 71 | 60 |
| 80-6-1 | 48 | 68 | 76 | 81 | 83 | 80 | 73 | 62 |
| 80-12-1 (2v) | 33 | 53 | 61 | 66 | 68 | 65 | 58 | 47 |
| 80-6-1,5 | 49 | 69 | 77 | 82 | 84 | 81 | 74 | 63 |
| 80-12-1,5 (2v) | 34 | 54 | 62 | 67 | 69 | 66 | 59 | 48 |
| 80-6-2 | 50 | 70 | 78 | 83 | 85 | 82 | 75 | 64 |
| 80-12-2 (2v) | 35 | 55 | 63 | 68 | 70 | 67 | 60 | 49 |
| 80-6-3 | 51 | 71 | 79 | 84 | 86 | 83 | 76 | 65 |
| 80-12-3 (2v) | 36 | 56 | 64 | 69 | 71 | 68 | 61 | 50 |
| 80-8-0,5 | 46 | 66 | 74 | 79 | 81 | 78 | 71 | 60 |
| 80-8-0,75 | 47 | 67 | 75 | 80 | 82 | 79 | 72 | 61 |
| 80-8-1 | 48 | 68 | 76 | 81 | 83 | 80 | 73 | 62 |
| 90-4-4 | 65 | 86 | 93 | 98 | 101 | 97 | 90 | 79 |
| 90-8-4 (2v) | 50 | 71 | 78 | 83 | 86 | 82 | 75 | 64 |
| 90-4-5,5 | 67 | 88 | 95 | 100 | 103 | 99 | 92 | 81 |
| 90-8-5,5 (2v) | 52 | 73 | 80 | 85 | 88 | 84 | 77 | 66 |
| 90-4-7,5 | 69 | 90 | 97 | 102 | 105 | 101 | 94 | 83 |
| 90-8-7,5 (2v) | 54 | 75 | 82 | 87 | 90 | 86 | 79 | 68 |
| 90-4-10 | 70 | 91 | 98 | 103 | 106 | 102 | 95 | 84 |
| 90-8-10 (2v) | 55 | 76 | 83 | 88 | 91 | 87 | 80 | 69 |

## Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

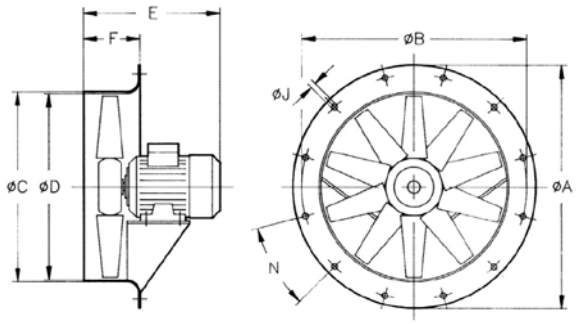
**Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.**

| Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|---|---|---|---|---|---|---|---|---|
| 90-6-2 | 55 | 76 | 83 | 88 | 91 | 87 | 80 | 69 |
| 90-12-2 (2v) | 40 | 61 | 68 | 73 | 76 | 72 | 65 | 54 |
| 90-6-3 | 56 | 77 | 84 | 89 | 92 | 88 | 81 | 70 |
| 90-12-3 (2v) | 41 | 62 | 69 | 74 | 77 | 73 | 66 | 55 |
| 90-6-4 | 57 | 78 | 85 | 90 | 93 | 89 | 82 | 71 |
| 90-12-4 (2v) | 42 | 63 | 70 | 75 | 78 | 74 | 67 | 56 |
| 90-8-1 | 49 | 70 | 77 | 82 | 85 | 81 | 74 | 63 |
| 90-8-1,5 | 50 | 71 | 78 | 83 | 86 | 82 | 75 | 64 |
| 90-8-2 | 51 | 72 | 79 | 84 | 87 | 83 | 76 | 65 |
| 90-8-3 | 52 | 73 | 80 | 85 | 88 | 84 | 77 | 66 |
| 100-4-7,5 | 72 | 92 | 100 | 105 | 107 | 104 | 97 | 86 |
| 100-8-7,5 (2v) | 57 | 77 | 85 | 90 | 92 | 89 | 82 | 71 |
| 100-4-10 | 73 | 93 | 101 | 106 | 108 | 105 | 98 | 87 |
| 100-8-10 (2v) | 58 | 78 | 86 | 91 | 93 | 90 | 83 | 72 |

| Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|---|---|---|---|---|---|---|---|---|
| 100-4-15 | 74 | 94 | 102 | 107 | 109 | 106 | 99 | 88 |
| 100-8-15 (2v) | 59 | 79 | 87 | 92 | 94 | 91 | 84 | 73 |
| 100-4-20 | 75 | 95 | 103 | 108 | 110 | 107 | 100 | 89 |
| 100-8-20 (2v) | 60 | 80 | 88 | 93 | 95 | 92 | 85 | 74 |
| 100-6-3 | 62 | 82 | 90 | 95 | 97 | 94 | 87 | 76 |
| 100-12-3 (2v) | 47 | 67 | 75 | 80 | 82 | 79 | 72 | 61 |
| 100-6-4 | 63 | 83 | 91 | 96 | 98 | 95 | 88 | 77 |
| 100-12-4 (2v) | 48 | 68 | 76 | 81 | 83 | 80 | 73 | 62 |
| 100-6-5,5 | 64 | 84 | 92 | 97 | 99 | 96 | 89 | 78 |
| 100-12-5,5 (2v) | 49 | 69 | 77 | 82 | 84 | 81 | 74 | 63 |
| 100-8-1,5 | 56 | 76 | 84 | 89 | 91 | 88 | 81 | 70 |
| 100-8-2 | 57 | 77 | 85 | 90 | 92 | 89 | 82 | 71 |
| 100-8-3 | 57 | 77 | 85 | 90 | 92 | 89 | 82 | 71 |
| 100-8-4 | 58 | 78 | 86 | 91 | 93 | 90 | 83 | 72 |

## Dimensions in mm

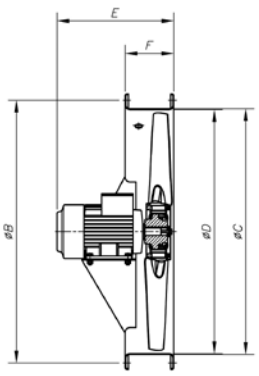
**HCH**

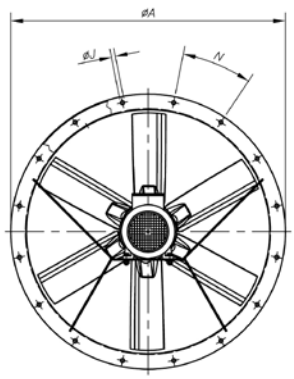



| Model | ØA | ØB | ØC | ØD | E 0,16 | 0,33 | 0,5 | 0,75 | 1 | 1,5 | 2 | 3 | 4 | 5,5 | 7,5 | 10 | 15 | 20 | F | ØJ | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HCH-35-2 | 425 | 395 | 358 | 355 | - | - | 285 | - | - | - | - | - | - | - | - | - | - | - | 110 | 10 | 8 X 45° |
| HCH-35-4 | 425 | 395 | 358 | 355 | 257 | - | - | - | - | - | - | - | - | - | - | - | - | - | 110 | 10 | 8 X 45° |
| HCH-40-2 | 490 | 450 | 414 | 410 | - | - | - | - | - | 314 | - | - | - | - | - | - | - | - | 120 | 12 | 8 X 45° |
| HCH-40-4 | 490 | 450 | 414 | 410 | - | 295 | - | - | - | - | - | - | - | - | - | - | - | - | 120 | 12 | 8 X 45° |
| HCH-45-4 | 540 | 500 | 464 | 460 | - | - | 280 | - | - | - | - | - | - | - | | - | - | - | 120 | 12 | 8 X 45° |
| HCH-45-6 | 540 | 500 | 464 | 460 | - | 280 | - | - | - | - | - | - | - | - | - | - | - | - | 120 | 12 | 8 X 45° |
| HCH-56-4 | 660 | 620 | 564 | 560 | - | - | - | 310 | 310 | 330 | 350 | - | - | - | - | - | - | - | 120 | 12 | 12 X 30° |
| HCH-56-6 | 660 | 620 | 564 | 560 | - | 285 | 310 | 310 | - | - | - | - | - | - | - | - | - | - | 120 | 12 | 12 X 30° |
| HCH-63-4 | 730 | 690 | 645 | 640 | - | - | - | - | 325 | 325 | 355 | 405 | 405 | - | - | - | - | - | 150 | 12 | 12 X 30° |
| HCH-63-6 | 730 | 690 | 645 | 640 | - | - | 325 | 325 | 335 | - | - | - | - | - | - | - | - | - | 150 | 12 | 12 X 30° |
| HCH-71-4 | 810 | 770 | 715 | 710 | - | - | - | - | - | 330 | 350 | 415 | 415 | - | - | - | - | - | 150 | 12 | 16 X 22°30' |
| HCH-71-6 | 810 | 770 | 715 | 710 | - | - | - | 315 | 330 | 350 | - | - | - | - | - | - | - | - | 150 | 12 | 16 X 22°30' |
| HCH-80-4 | 900 | 860 | 805 | 800 | - | - | - | - | - | - | - | 425 | 425 | 445 | - | - | - | - | 180 | 12 | 16 X 22°30' |
| HCH-80-6 | 900 | 860 | 805 | 800 | - | - | - | - | 355 | 375 | 425 | 445 | - | - | - | - | - | - | 180 | 12 | 16 X 22°30' |
| HCH-80-8 | 900 | 860 | 805 | 800 | - | - | 380 | 380 | 410 | - | - | - | - | - | - | - | - | - | 180 | 12 | 16 X 22°30' |
| HCH-90-4 | 1015 | 970 | 906 | 900 | - | - | - | - | - | - | - | - | 425 | 430 | 465 | 465 | - | - | 180 | 15 | 16 X 22°30' |
| HCH-90-6 | 1015 | 970 | 906 | 900 | - | - | - | - | - | - | 425 | 430 | 465 | - | - | - | - | - | 180 | 15 | 16 X 22°30' |
| HCH-90-8 | 1015 | 970 | 906 | 900 | - | - | - | - | 410 | 410 | 395 | 460 | - | - | - | - | - | - | 180 | 15 | 16 X 22°30' |
| HCH-100-4 | 1115 | 1070 | 1006 | 1000 | - | - | - | - | | - | - | - | - | - | 480 | 480 | 590 | 590 | 200 | 15 | 16 X 22°30' |
| HCH-100-6 | 1115 | 1070 | 1006 | 1000 | - | - | - | - | - | - | - | 440 | 480 | 480 | - | - | - | - | 200 | 15 | 16 X 22°30' |
| HCH-100-8 | 1115 | 1070 | 1006 | 1000 | - | - | - | - | - | 405 | 405 | 470 | 470 | - | - | - | - | - | 200 | 15 | 16 X 22°30' |

## *Dimensions in mm*

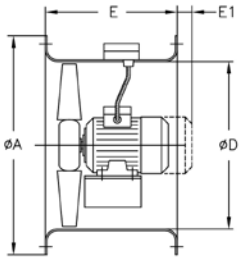
### HFT

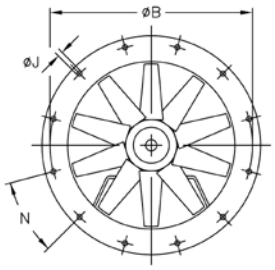



| | | | | | E | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Model** | **øA** | **øB** | **øC** | **øD** | **0,33** | **0,5** | **0,75** | **1** | **1,5** | **2** | **3** | **4** | **5,5** | **7,5** | **10** | **15** | **20** | **F** | **øJ** | **N** |
| HFT-56-4 | 660 | 620 | 564 | 560 | - | - | 344 | 344 | 376 | 376 | - | - | - | - | - | - | - | 150 | 12 | 12x30° |
| HFT-56-6 | 660 | 620 | 564 | 560 | 310 | 344 | 344 | - | - | - | - | - | - | - | - | - | - | 150 | 12 | 12x30° |
| HFT-63-4 | 730 | 690 | 645 | 640 | - | - | - | 325 | 398 | 398 | 430 | 430 | - | - | - | - | - | 150 | 12 | 12x30° |
| HFT-63-6 | 730 | 690 | 645 | 640 | - | 325 | 325 | 398 | - | - | - | - | - | - | - | - | - | 150 | 12 | 12x30° |
| HFT-71-4 | 810 | 770 | 715 | 710 | - | - | - | - | 400 | 400 | 440 | 440 | - | - | - | - | - | 150 | 12 | 16x22°30' |
| HFT-71-6 | 810 | 770 | 715 | 710 | - | - | 325 | 400 | 400 | - | - | - | - | - | - | - | - | 150 | 12 | 16x22°30' |
| HFT-80-4 | 900 | 860 | 805 | 800 | - | - | - | - | - | - | 425 | 425 | 445 | - | - | - | - | 180 | 12 | 16x22°30' |
| HFT-80-6 | 900 | 860 | 805 | 800 | - | - | - | 390 | 390 | 425 | 445 | - | - | - | - | - | - | 180 | 12 | 16x22°30' |
| HFT-80-8 | 900 | 860 | 805 | 800 | - | 390 | 390 | 425 | - | - | - | - | - | - | - | - | - | 180 | 12 | 16x22°30' |
| HFT-90-4 | 1015 | 970 | 906 | 900 | - | - | - | - | - | - | - | 430 | 440 | 470 | 470 | - | - | 180 | 15 | 16x22°30' |
| HFT-90-6 | 1015 | 970 | 906 | 900 | - | - | - | - | - | 430 | 440 | 470 | - | - | - | - | - | 180 | 15 | 16x22°30' |
| HFT-90-8 | 1015 | 970 | 906 | 900 | - | - | - | 430 | 430 | 440 | 470 | - | - | - | - | - | - | 180 | 15 | 16x22°30' |
| HFT-100-4 | 1115 | 1070 | 1006 | 1000 | - | - | - | - | - | - | - | - | - | 485 | 485 | 590 | 590 | 200 | 15 | 16x22°30' |
| HFT-100-6 | 1115 | 1070 | 1006 | 1000 | - | - | - | - | - | - | 440 | 485 | 485 | - | - | - | - | 200 | 15 | 16x22°30' |
| HFT-100-8 | 1115 | 1070 | 1006 | 1000 | - | - | - | - | 420 | 440 | 485 | 485 | - | - | - | - | - | 200 | 15 | 16x22°30' |

### HCT

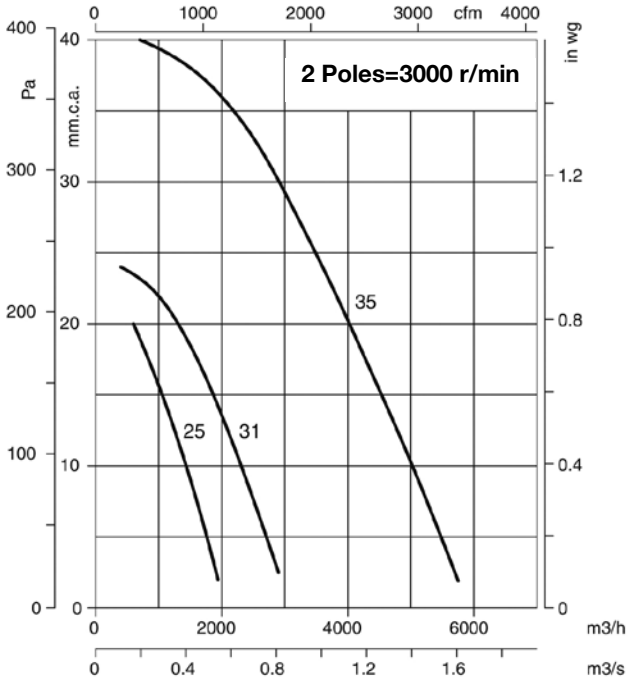


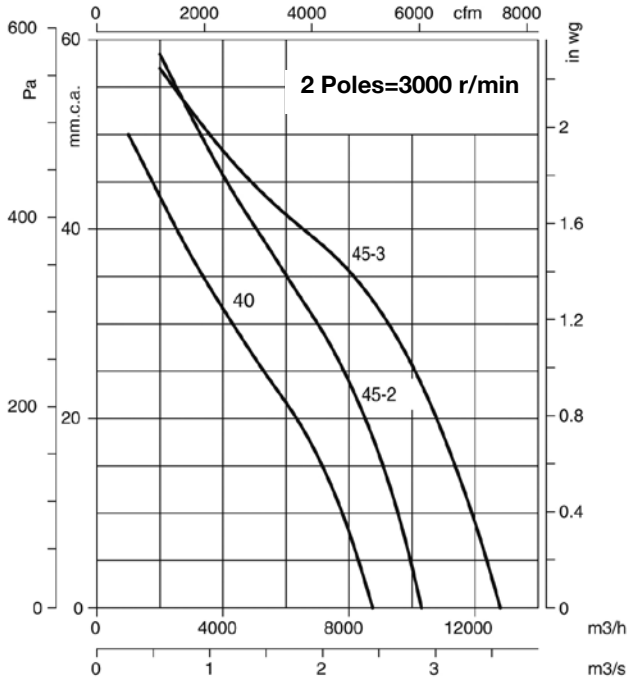



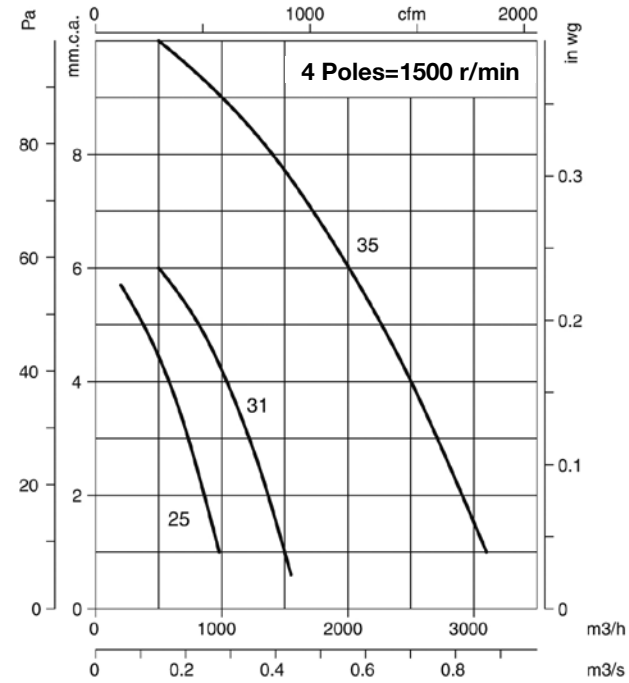

| **Model** | **ØA** | **ØB** | **ØD** | **E** | **E1** | **ØJ** | **N** |
|---|---|---|---|---|---|---|---|
| HCT-25 | 310 | 280 | 240 | 230 | 10 | 10 | 4x90° |
| HCT-31 | 350 | 320 | 280 | 270 | - | 10 | 4x90° |
| HCT-35 | 425 | 395 | 355 | 280 | - | 10 | 8x45° |
| HCT-40 | 490 | 450 | 410 | 320 | - | 12 | 8x45° |
| HCT-45 | 540 | 500 | 460 | 360 | - | 12 | 8x45° |
| HCT-50 | 600 | 560 | 514 | 360 | - | 12 | 12x30° |
| HCT-56 | 660 | 620 | 560 | 400 | - | 12 | 12x30° |
| HCT-63 | 730 | 690 | 640 | 430 | - | 12 | 12x30° |
| HCT-71 | 810 | 770 | 710 | 500 | - | 12 | 16x22°30' |
| HCT-80 | 900 | 860 | 800 | 500 | - | 12 | 16x22°30' |
| HCT-90 | 1015 | 970 | 900 | 500 | - | 15 | 16x22°30' |
| HCT-100 | 1115 | 1070 | 1000 | 550 | - | 15 | 16x22°30' |
| HCT-100-4T-15 | 1115 | 1070 | 1000 | 650 | - | 15 | 16x22°30' |
| HCT-100-4T-20 | 1115 | 1070 | 1000 | 650 | - | 15 | 16x22°30' |

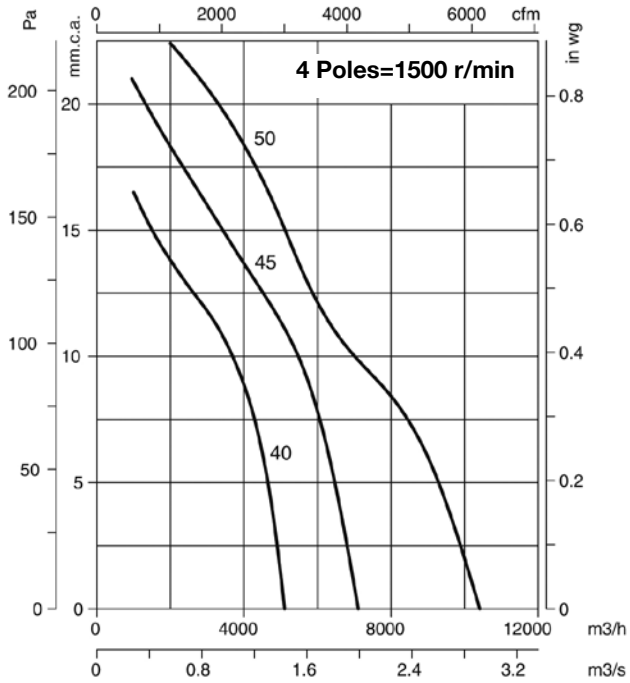
## *Characteristic curves*

Q = Airflow in $m^3/h$, $m^3/s$ and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.



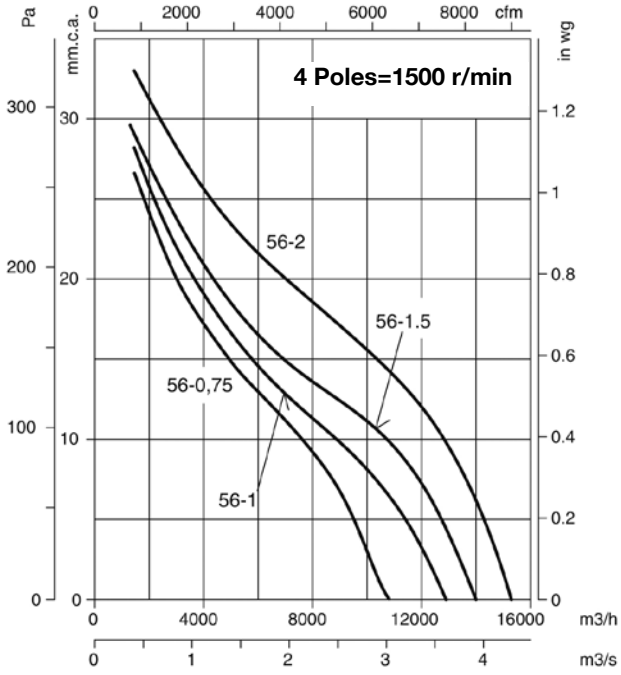



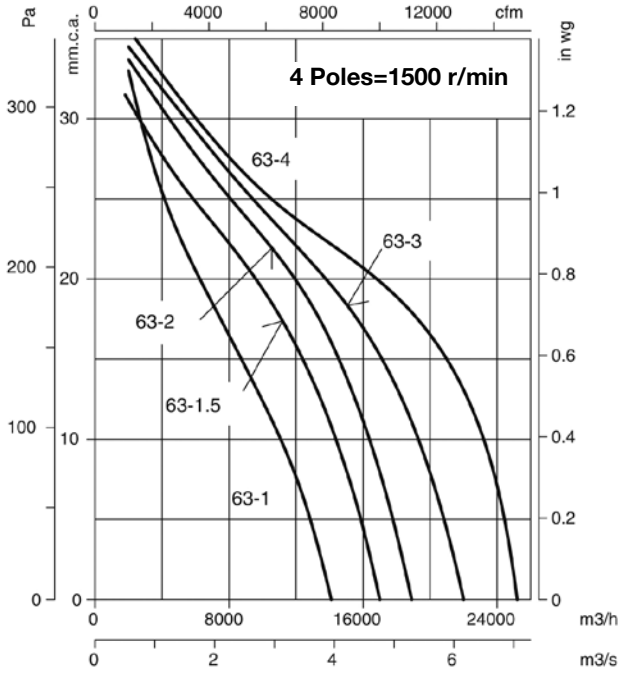



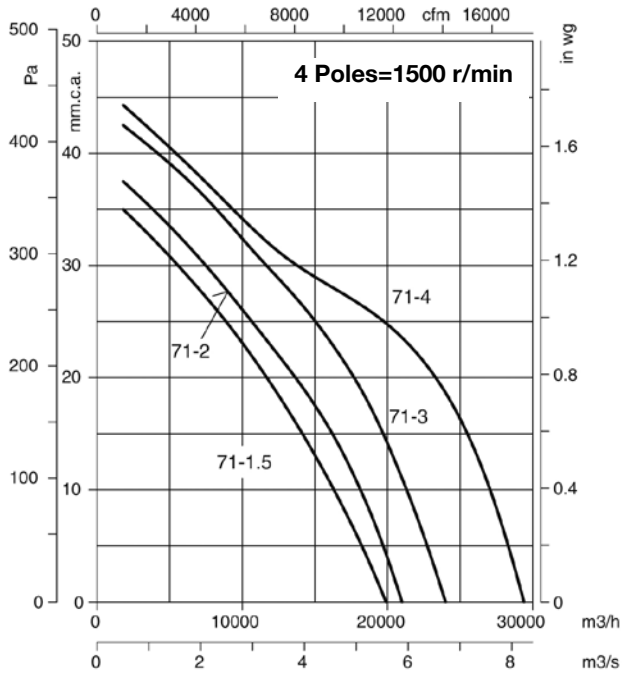



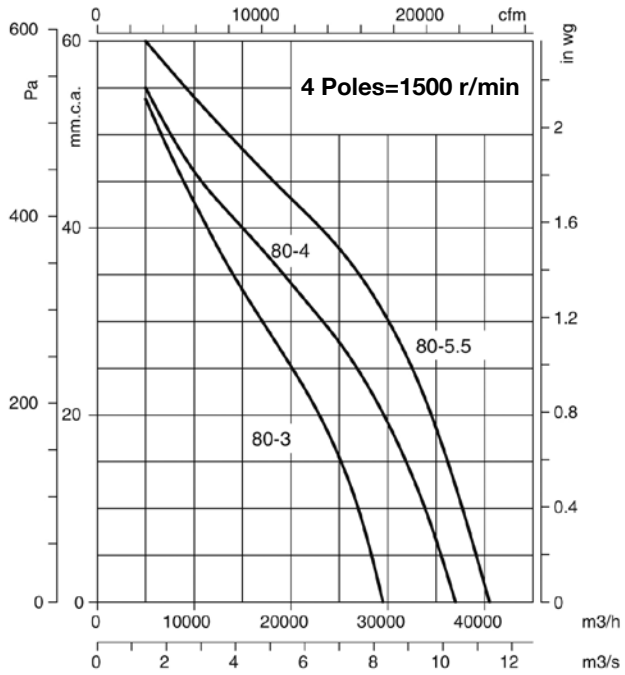
## *Characteristic curves*

Q = Airflow in m³/h, m³/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.



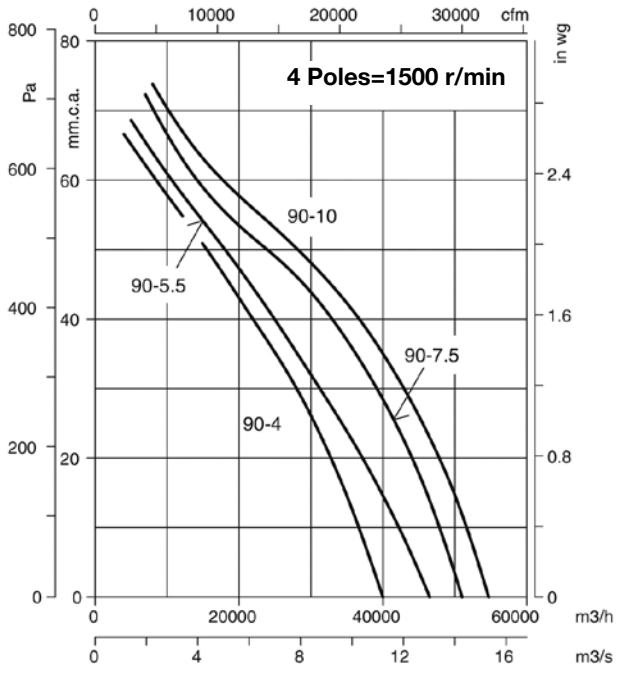



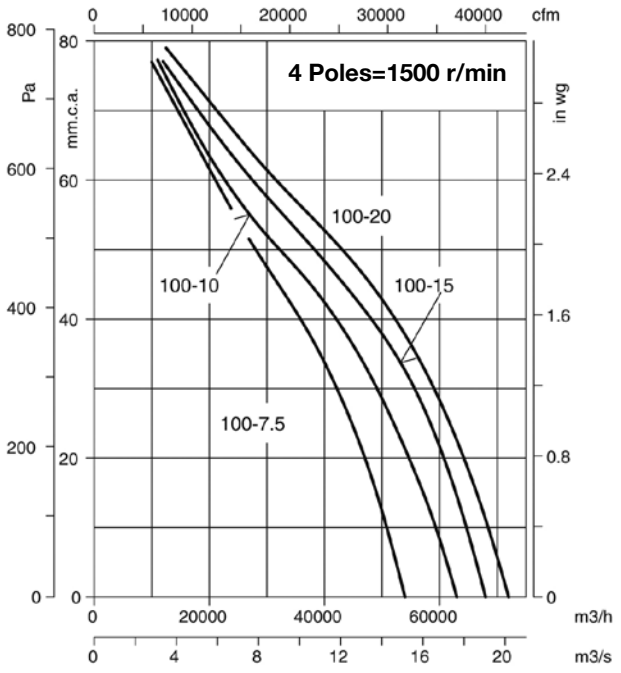



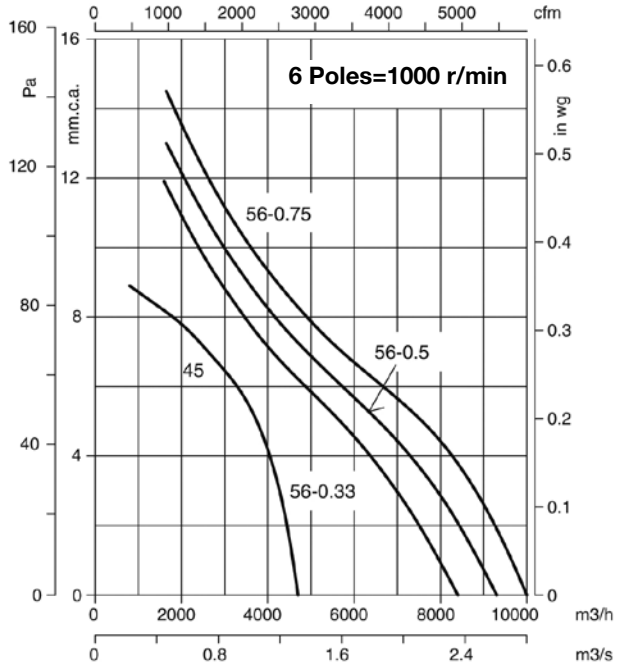



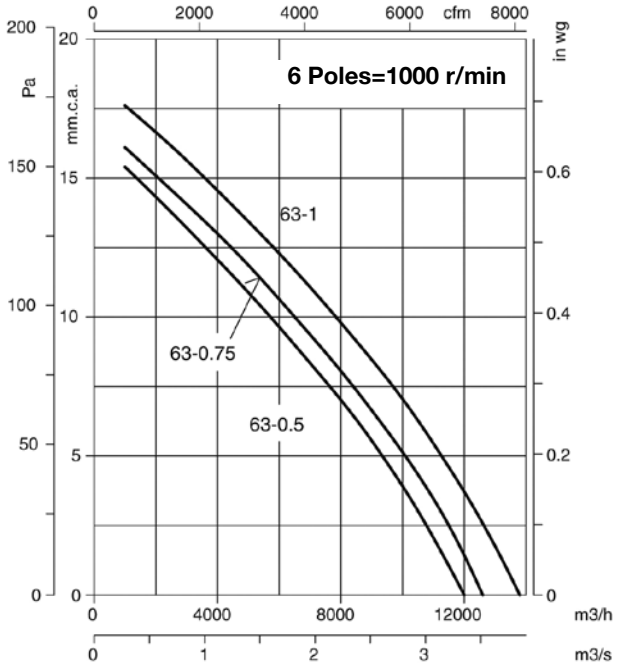
## *Characteristic curves*

Q = Airflow in $m^3/h$, $m^3/s$ and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.



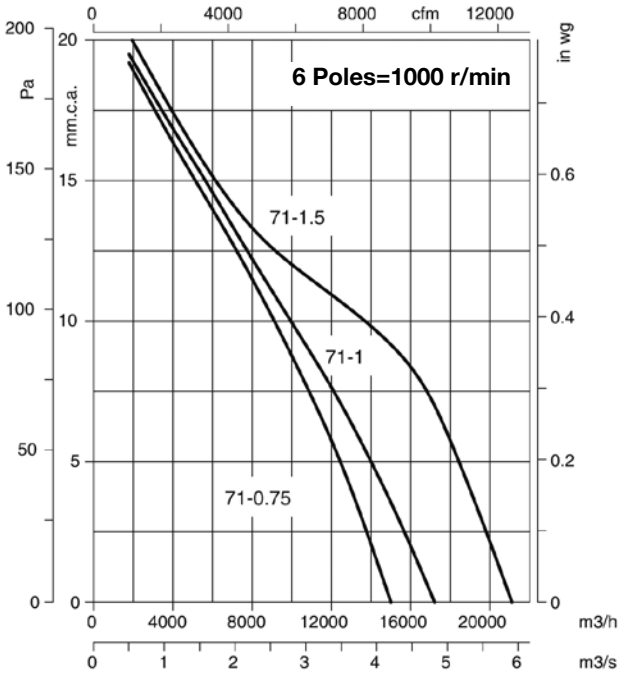



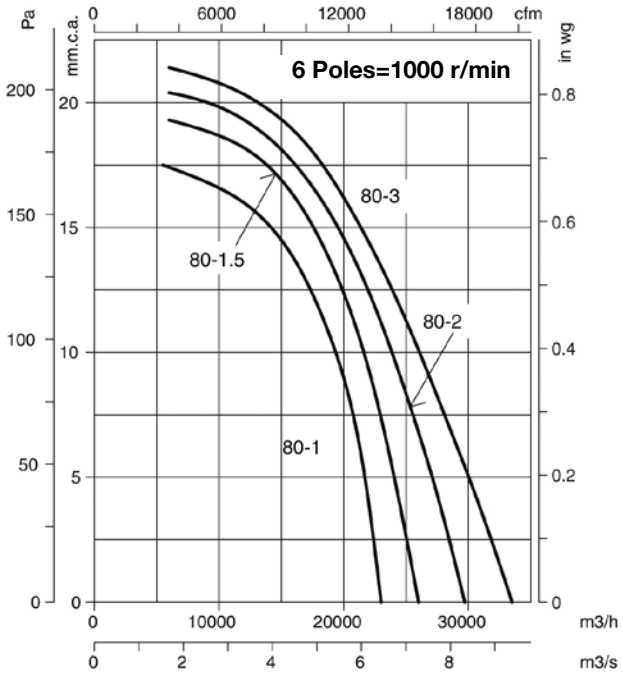



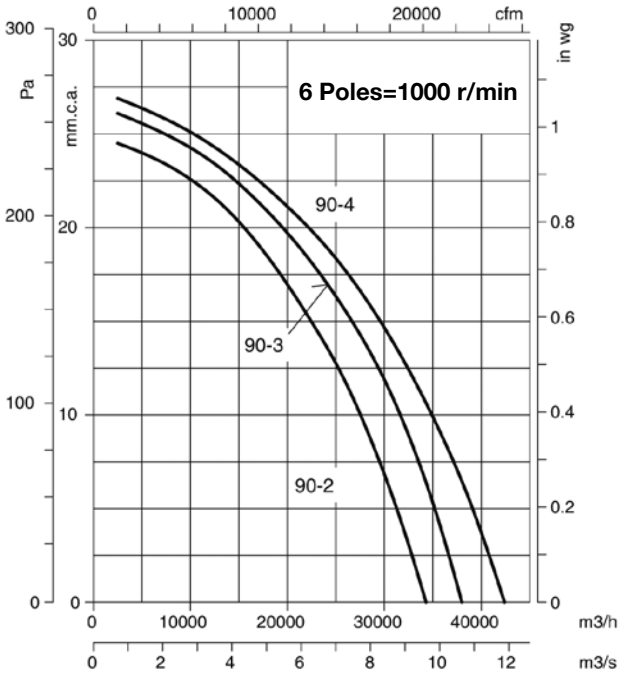



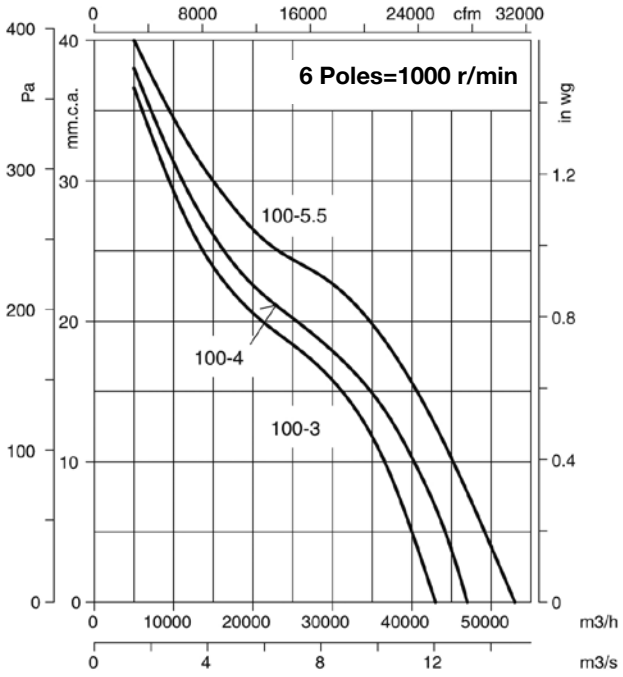
## *Characteristic curves*

Q = Airflow in $m^3/h$, $m^3/s$ and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.



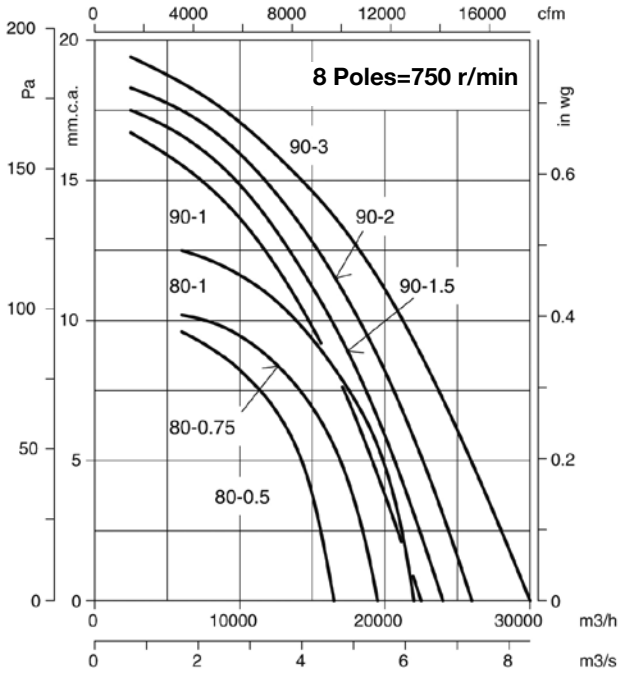



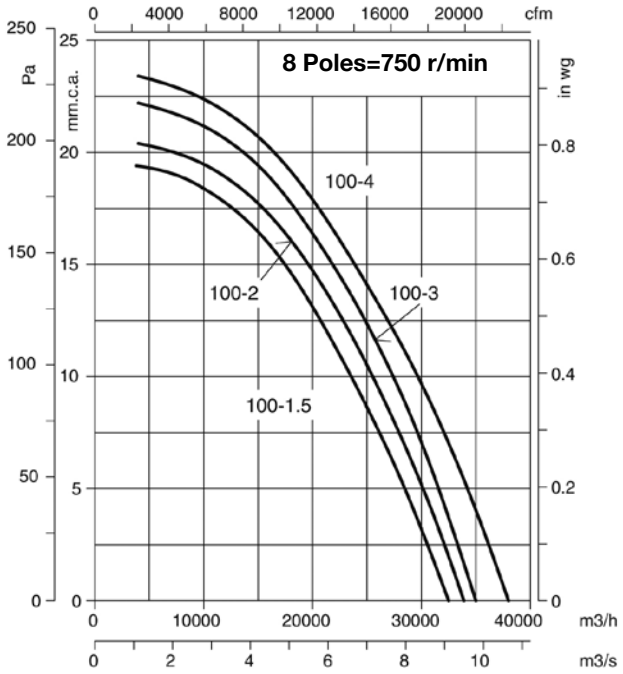



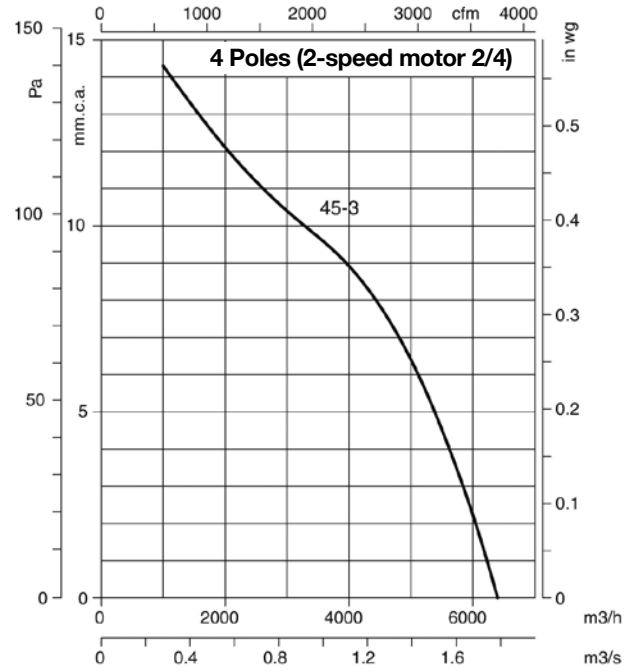



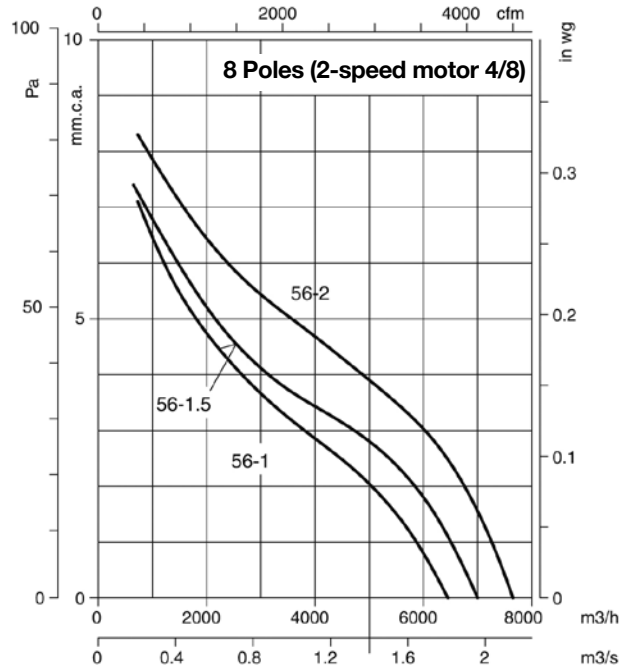
## *Characteristic curves*

Q = Airflow in $m^3/h$, $m^3/s$ and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.



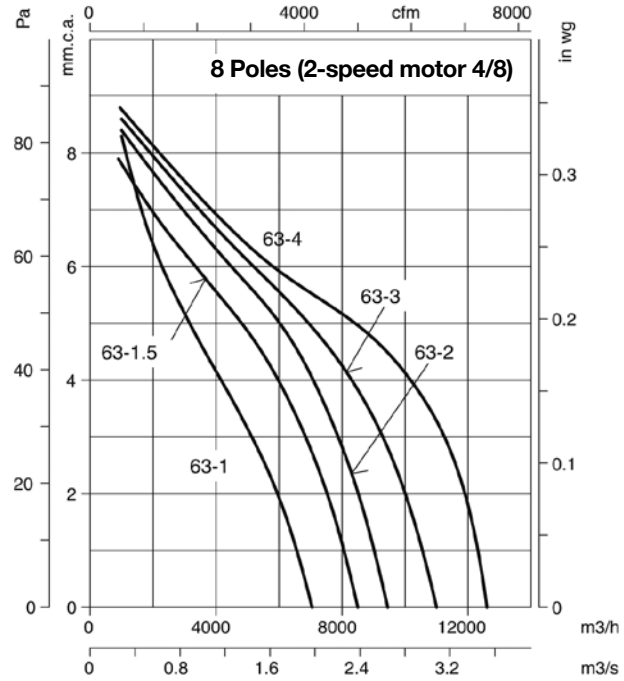



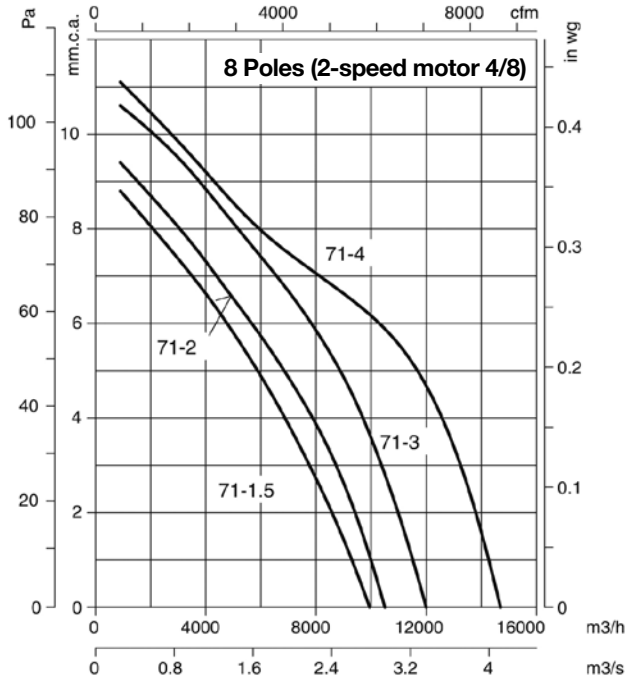



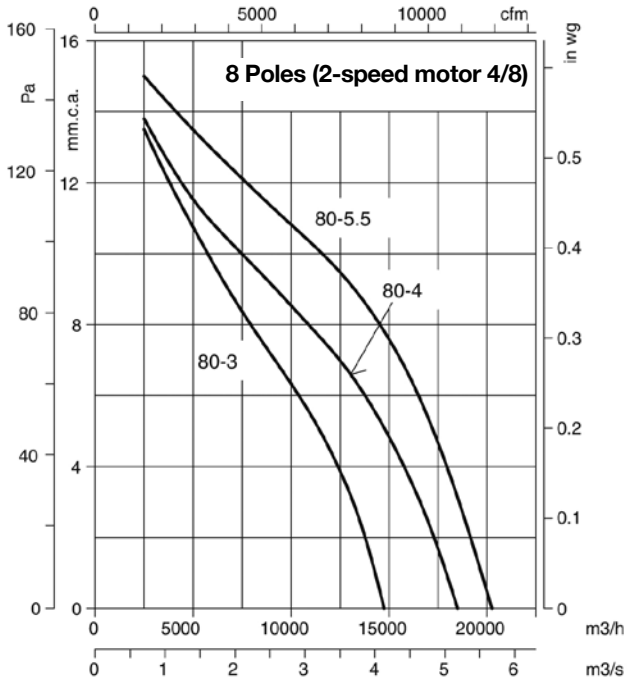



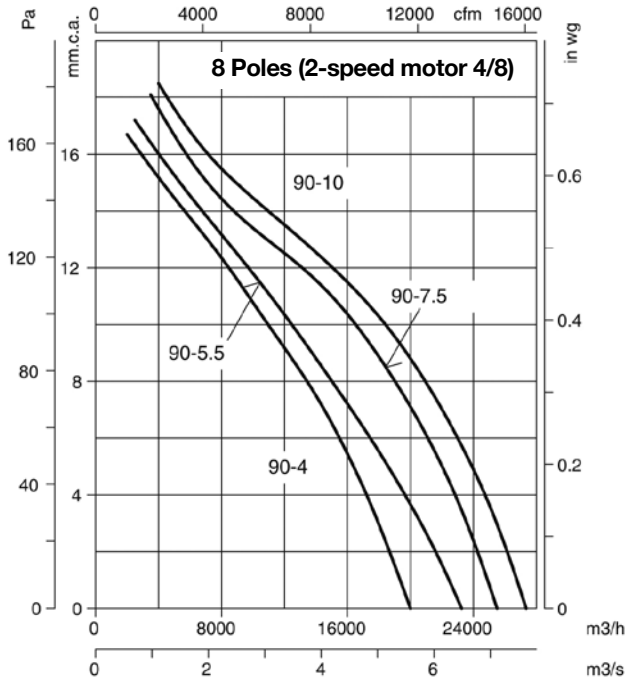
## *Characteristic curves*

Q = Airflow in $m^3/h$, $m^3/s$ and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.



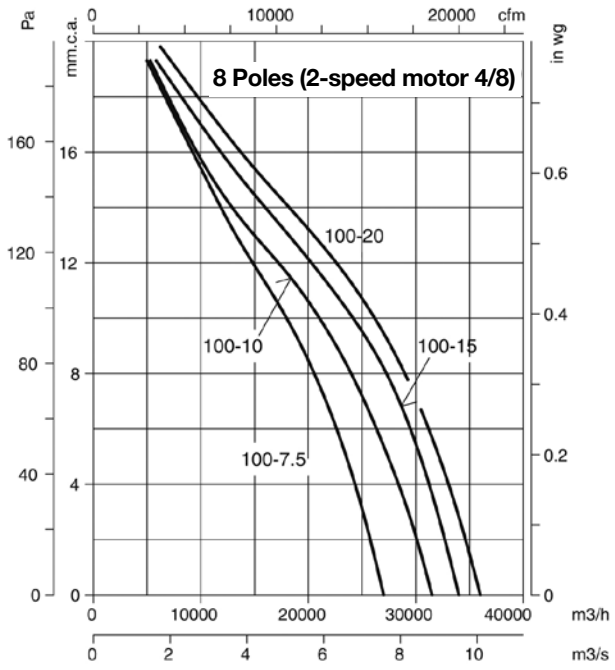



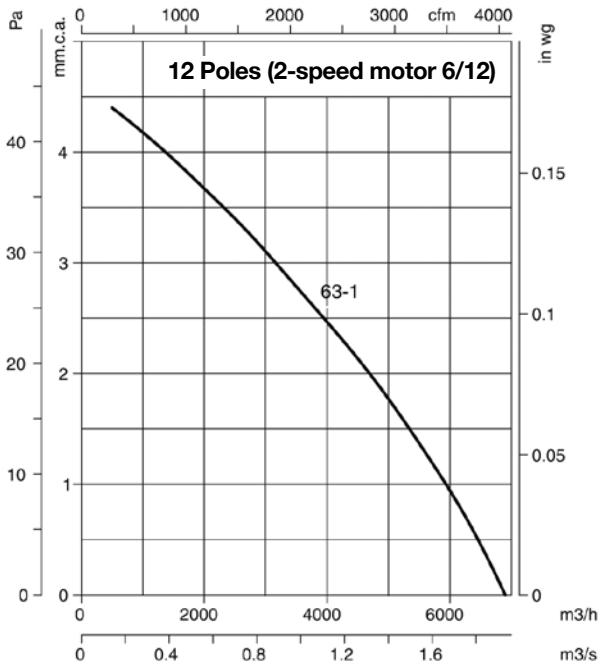



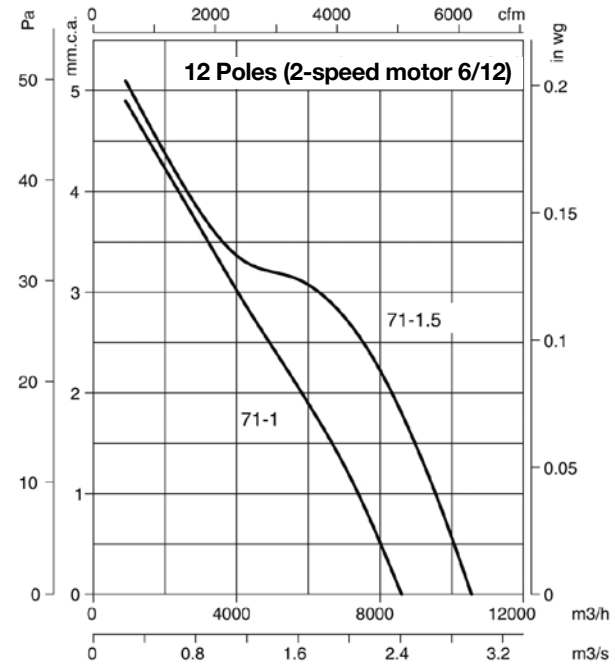



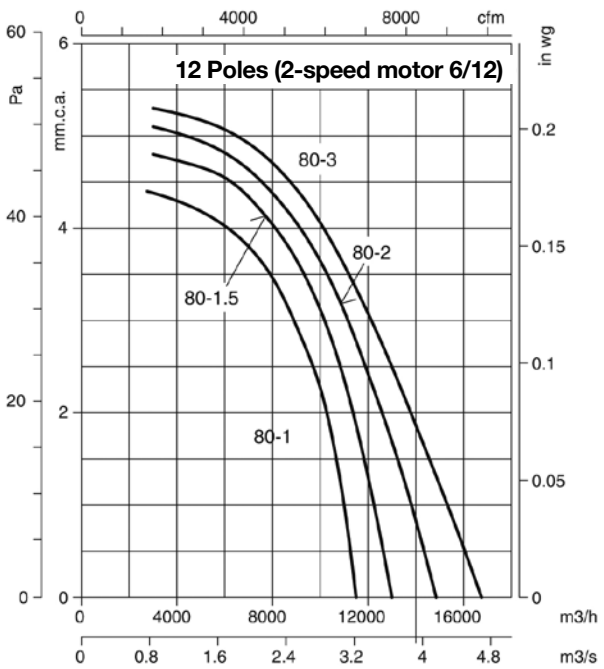
## *Characteristic curves*

Q = Airflow in $m^3/h$, $m^3/s$ and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.



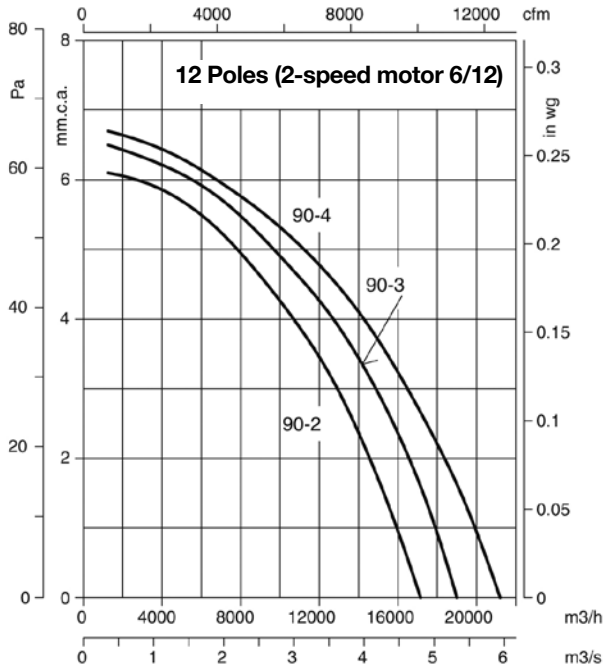



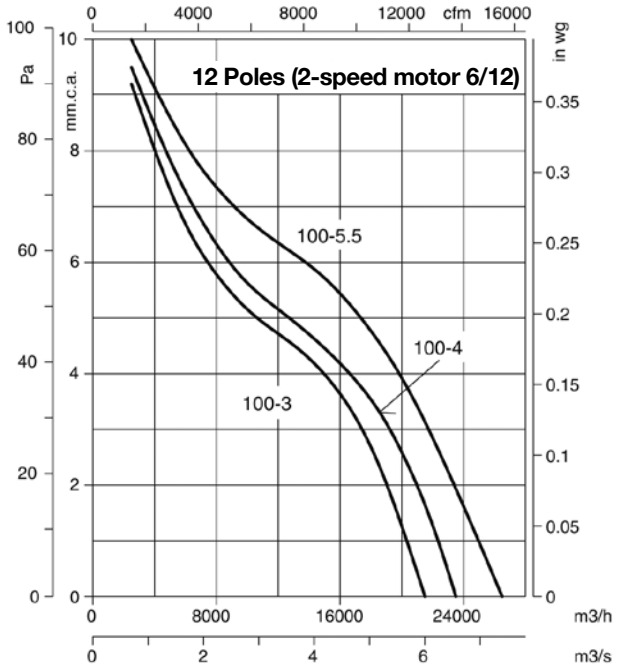



## Characteristic curves

Q = Airflow in m³/h, m³/s and cfm. Pe= Static pressure in mm.w.c., Pa and inwg.




## Accessories

See accessories section.

INT RM AR C2V RFT/ RFM PANELS PL P R RI RT BTUB BAC PS

S SI