

DIRECT DRIVE MOTOR

CMTC

Extremely robust open blade and single inlet centrifugal fans with sheet steel casing and impeller

Designed for air that is very dusty and with materials suspended in the air



*The images are provided only for illustrative purposes, the product may vary depending on its size, specifications and position.

- Fan:**
- Sheet steel casing.
 - Backward curved impeller, made of very robust sheet steel, specially designed for air with a lot of dust and suspended materials.
 - Directly coupled motor.
 - With inspection and cleaning hatch from size 560 and up.
 - Casing continuously welded starting with size 800.

Motor:

- Motors with IE3 efficiency for powers equal to or greater than 0.75kW, except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings, IP55 protection.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Maximum temperature of air to be carried: -25 °C +90 °C.

Finishing:

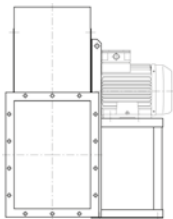
- Anti-corrosive finish in polyester resin, polymerised at 190 °C, after degreasing with phosphate-free nanotechnology treatment.

On request:

- Special windings for different voltages.
- Fan prepared to transport air up to +150 °C.
- Special executions for temperatures + 300 °C.
- Stainless steel fan.
- ATEX certified Category 2.
- System 8 elastic coupling.

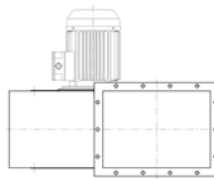
Direct drive motor construction method

SYSTEM 4



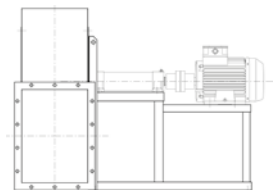
Direct drive, impeller mounted on the motor shaft, mounted on the pedestal.

SYSTEM 5



Direct drive, impeller mounted on the motor shaft, flange motor mounted on the fan casing.

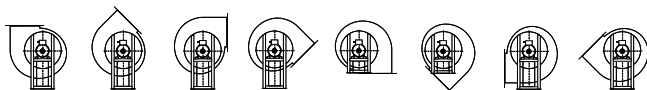
SYSTEM 8



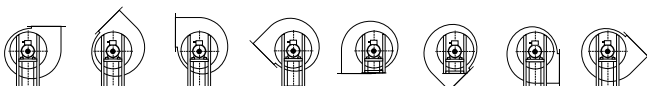
Elastic coupling drive, impeller mounted on the support shaft, mounted on the motor via an elastic coupling. Everything mounted together on a fan pedestal.

Orientations

RD 0 RD45 RD90 RD135 RD180 RD225 RD270 RD315



LG 0 LG45 LG90 LG135 LG180 LG225 LG270 LG315



LARGE SERIES

BELT-DRIVEN MOTOR

CMTC-X

Centrifugal, open blade, belt driven fans fitted with electric motors and a standardized set of pulleys, belts and protectors in accordance with standard ISO 13857

Designed for air that is very dusty and with materials suspended in the air



Motor:

- IE3 efficiency motors.
- Class F motors with ball bearings, IP55 protection.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Maximum temperature of air to be carried: -25 °C +90 °C.

Finishing:

- Anti-corrosive finish in polyester resin, polymerised at 190 °C, after degreasing with phosphate-free nanotechnology treatment.

On request:

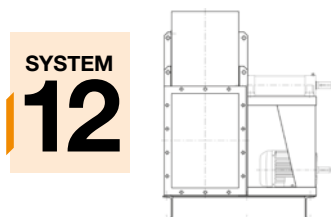
- Special windings for different voltages.
- Fan prepared to transport air up to +300 °C.
- Stainless steel fan.
- ATEX certified Category 2.
- System 8 elastic coupling.

Fan:

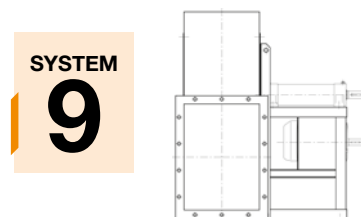
- Sheet steel casing.
- Backward curved impeller, made of very robust sheet steel, specially designed for air with a lot of dust and suspended materials.
- Engine mounted on general bench.
- With inspection and cleaning hatch from size 560 and up.
- Casing continuously welded starting with size 800.

*The images are provided only for illustrative purposes, the product may vary depending on its size, specifications and position.

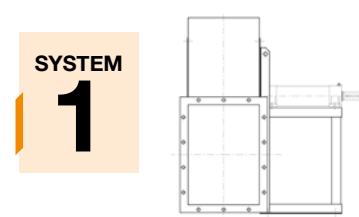
Belt-driven motor construction method



Transmission drive, identical to SYSTEM 1, with the motor and fan mounted on the common bench. Motor positions "W" or "Z" and exceptionally "X" or "Y".



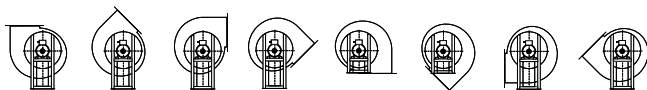
Transmission drive, identical to SYSTEM 1, with the motor mounted on the side of the pedestal, in position "W" or "Z".



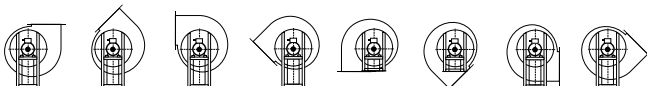
Transmission drive, impeller mounted on the support shaft. Support mounted on the pedestal.

Orientations

RD 0 RD45 RD90 RD135 RD180 RD225 RD270 RD315



LG 0 LG45 LG90 LG135 LG180 LG225 LG270 LG315



QUICK SELECT SYSTEM 4

Outlet characteristics

| Model | Frame | kW ass | kW inst. | r.p.m. | dB | V m³/s | | | | | | | | | | | | | | | | | |
|----------|----------|--------|----------|--------|----|-----------------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|-----|-----|-----|--|
| | | | | | | 0.46 | 0.52 | 0.58 | 0.67 | 0.75 | 0.83 | 0.93 | 1.05 | 1.2 | 1.3 | 1.5 | 1.7 | 1.85 | 2.05 | 2.3 | | | |
| | | | | | | Pt kgf/m²=mmH₂O | | | | | | | | | | | | | | | | | |
| CMTC 630 | 112 M/4 | 3.8 | 4 | 1420 | 72 | | | | | | 185 | 185 | 182 | 175 | 166 | 155 | 140 | | | | | | |
| CMTC 670 | 132 S/4 | 5.3 | 5.5 | 1430 | 74 | | | | | | | | 215 | 212 | 210 | 200 | 193 | 185 | 172 | | | | |
| CMTC 700 | 132 MA/4 | 6.9 | 7.5 | 1430 | 76 | | | | | | | | | 240 | 240 | 235 | 223 | 210 | 195 | 180 | | | |
| CMTC 750 | 160 M/4 | 10.5 | 11 | 1465 | 79 | | | | | | | | | | | | 295 | 290 | 285 | 275 | 260 | | |
| CMTC 800 | 160 L/4 | 14 | 15 | 1465 | 80 | | | | | | | | | | | | | | | 330 | 328 | 319 | |
| CMTC 630 | 90 L/6 | 1 | 1.1 | 910 | 64 | 78 | 78 | 77 | 74 | 71 | 66 | 60 | | | | | | | | | | | |
| CMTC 670 | 112 M/6 | 1.5 | 2.2 | 940 | 65 | | | | 93 | 93 | 91 | 87 | 84 | 81 | 75 | | | | | | | | |
| CMTC 700 | 112 M/6 | 1.9 | 2.2 | 940 | 67 | | | | | 103 | 103 | 100 | 94 | 90 | 84 | 77 | | | | | | | |
| CMTC 750 | 132 MA/6 | 3 | 4 | 950 | 70 | | | | | | | | 128 | 126 | 124 | 119 | 113 | 106 | 98 | | | | |
| CMTC 800 | 132 MB/6 | 4 | 5.5 | 950 | 71 | | | | | | | | | | 143 | 142 | 139 | 132 | 126 | 119 | 109 | | |
| CMTC 835 | 132 MB/6 | 5 | 5.5 | 950 | 73 | | | | | | | | | | | | | 138 | 137 | 133 | 127 | | |
| CMTC 855 | 160 M/6 | 5.9 | 7.5 | 960 | 74 | | | | | | | | | | | | | | | 139 | 132 | | |

| Model | Frame | kW ass | kW inst. | r.p.m. | dB | V m³/s | | | | | | | | | | |
|----------|----------|--------|----------|--------|----|-----------------|-----|-----|------|-----|-----|-----|--|--|--|--|
| | | | | | | 2.6 | 3 | 3.3 | 3.75 | 4.2 | 4.7 | 5.3 | | | | |
| | | | | | | Pt kgf/m²=mmH₂O | | | | | | | | | | |
| CMTC 750 | 160 M/4 | 10.5 | 11 | 1465 | 79 | 245 | 225 | | | | | | | | | |
| CMTC 800 | 160 L/4 | 14 | 15 | 1465 | 80 | 303 | 290 | 274 | 252 | | | | | | | |
| CMTC 835 | 180 M/4 | 17.8 | 18.5 | 1470 | 82 | 320 | 318 | 307 | 294 | 275 | | | | | | |
| CMTC 855 | 180 L/4 | 21 | 22 | 1470 | 83 | | | 320 | 305 | 280 | 250 | 225 | | | | |
| CMTC 835 | 132 MB/6 | 5 | 5.5 | 950 | 73 | 119 | | | | | | | | | | |
| CMTC 855 | 160 M/6 | 5.9 | 7.5 | 960 | 74 | 121 | 108 | 97 | | | | | | | | |

Flow margin ±5%
Noise level margin + 3... 5 dB

Inlet characteristics

| Model | Frame | kW ass | kW inst. | r.p.m. | dB | V m³/s | | | | | | | | | | | | | | | | | |
|----------|----------|--------|----------|--------|----|-----------------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|-----|-----|-----|-----|
| | | | | | | 0.46 | 0.52 | 0.58 | 0.67 | 0.75 | 0.83 | 0.93 | 1.05 | 1.2 | 1.3 | 1.5 | 1.7 | 1.85 | 2.05 | 2.3 | | | |
| | | | | | | Pt kgf/m²=mmH₂O | | | | | | | | | | | | | | | | | |
| CMTC 630 | 112 M/4 | 3.8 | 4 | 1420 | 75 | | | | | | 167 | 167 | 164 | 158 | 149 | 140 | 126 | | | | | | |
| CMTC 670 | 132 S/4 | 5.3 | 5.5 | 1430 | 77 | | | | | | | | | 194 | 191 | 189 | 180 | 174 | 167 | 155 | | | |
| CMTC 700 | 132 MA/4 | 6.9 | 7.5 | 1430 | 79 | | | | | | | | | | 216 | 216 | 212 | 201 | 189 | 176 | 162 | | |
| CMTC 750 | 160 M/4 | 10.5 | 11 | 1465 | 81 | | | | | | | | | | | | | 266 | 261 | 257 | 248 | 234 | |
| CMTC 800 | 160 L/4 | 14 | 15 | 1465 | 83 | | | | | | | | | | | | | | | | 297 | 295 | 287 |
| CMTC 630 | 90 L/6 | 1 | 1.1 | 910 | 67 | 70 | 70 | 69 | 67 | 64 | 59 | 54 | | | | | | | | | | | |
| CMTC 670 | 112 M/6 | 1.5 | 2.2 | 940 | 67 | | | | 84 | 84 | 82 | 78 | 76 | 73 | 68 | | | | | | | | |
| CMTC 700 | 112 M/6 | 1.9 | 2.2 | 940 | 70 | | | | | 93 | 93 | 90 | 85 | 81 | 76 | 69 | | | | | | | |
| CMTC 750 | 132 MA/6 | 3 | 4 | 950 | 73 | | | | | | | | 115 | 113 | 112 | 107 | 102 | 95 | 88 | | | | |
| CMTC 800 | 132 MB/6 | 4 | 5.5 | 950 | 74 | | | | | | | | | | 129 | 128 | 125 | 119 | 113 | 107 | 98 | | |
| CMTC 835 | 132 MB/6 | 5 | 5.5 | 950 | 76 | | | | | | | | | | | | | | 124 | 123 | 120 | 114 | |
| CMTC 855 | 160 M/6 | 5.9 | 7.5 | 960 | 77 | | | | | | | | | | | | | | | | 125 | 119 | |

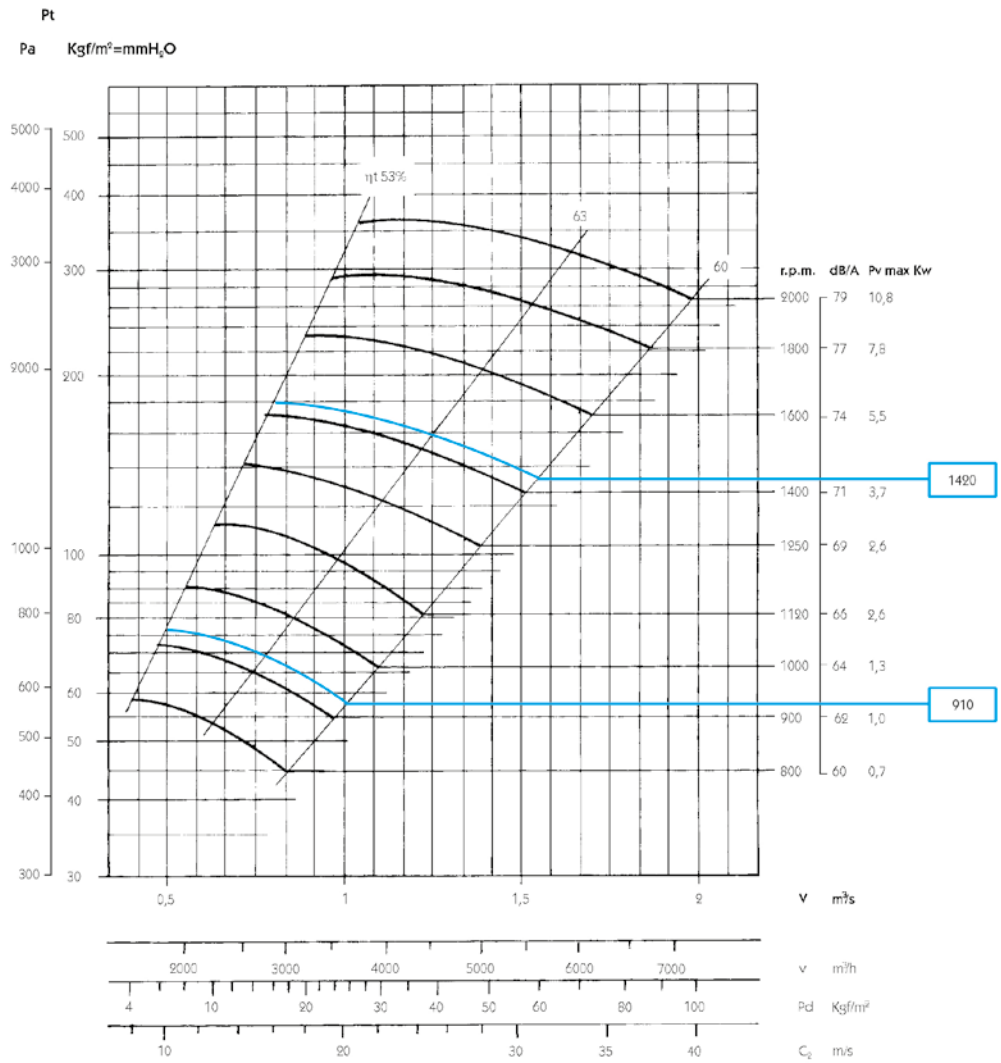
| Model | Frame | kW ass | kW inst. | r.p.m. | dB | V m³/s | | | | | | | | | | |
|----------|----------|--------|----------|--------|----|-----------------|-----|-----|------|-----|-----|-----|--|--|--|--|
| | | | | | | 2.6 | 3 | 3.3 | 3.75 | 4.2 | 4.7 | 5.3 | | | | |
| | | | | | | Pt kgf/m²=mmH₂O | | | | | | | | | | |
| CMTC 750 | 160 M/4 | 10.5 | 11 | 1465 | 81 | 221 | 203 | | | | | | | | | |
| CMTC 800 | 160 L/4 | 14 | 15 | 1465 | 83 | 273 | 261 | 247 | 227 | | | | | | | |
| CMTC 835 | 180 M/4 | 17.8 | 18.5 | 1470 | 85 | 288 | 286 | 276 | 265 | 248 | | | | | | |
| CMTC 855 | 180 L/4 | 21 | 22 | 1470 | 85 | | | 288 | 275 | 252 | 225 | 203 | | | | |
| CMTC 835 | 132 MB/6 | 5 | 5.5 | 950 | 76 | 107 | | | | | | | | | | |
| CMTC 855 | 160 M/6 | 5.9 | 7.5 | 960 | 77 | 109 | 97 | 87 | | | | | | | | |

Flow margin ±5%
Noise level margin + 3... 5 dB

LARGE SERIES

Characteristic curves

CMTC 630



Flow margin ±5%
Noise level margin + 3... 5 dB
Margin of kW absorbed ±3%

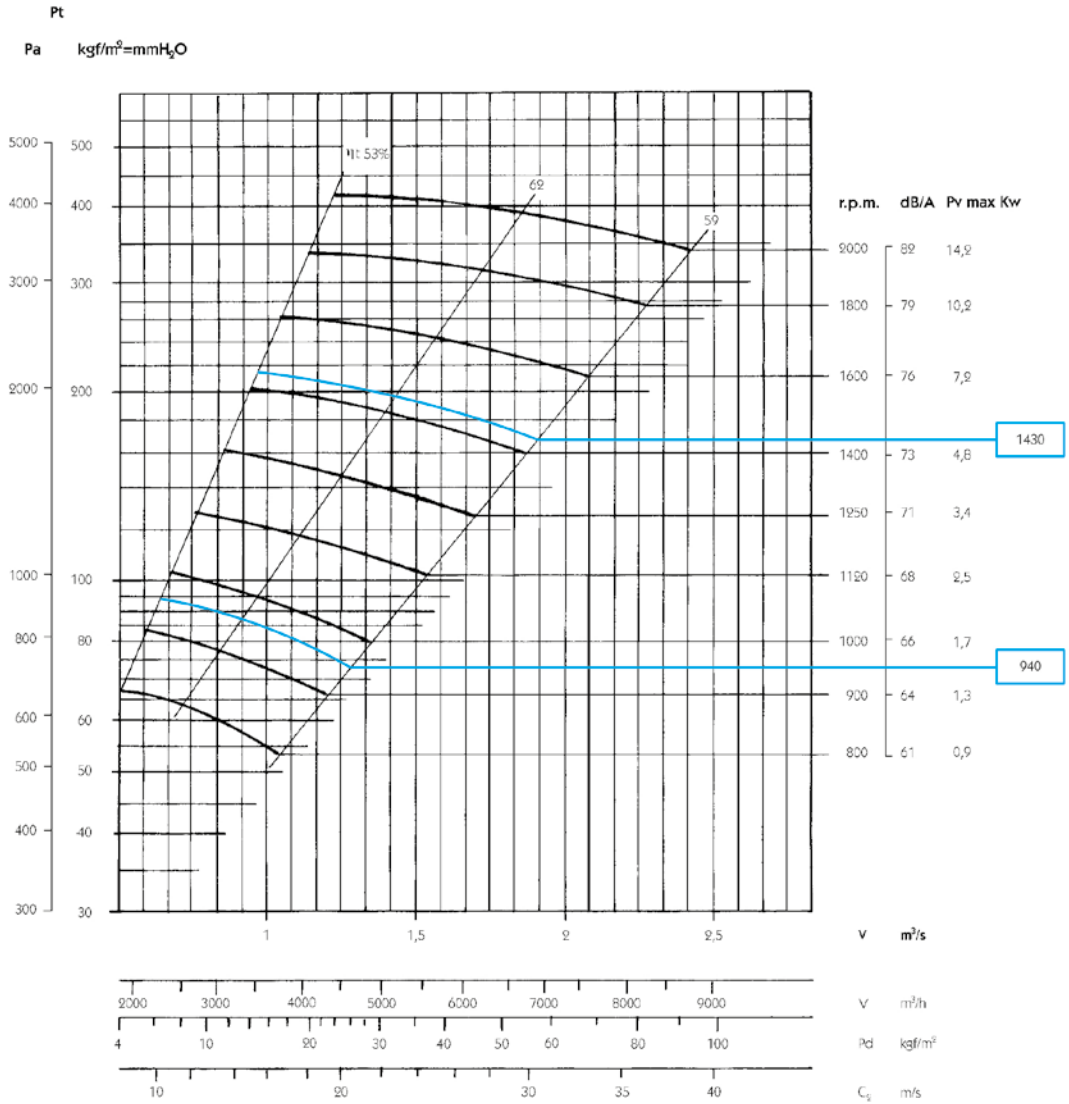
Outlet characteristics.

Rpm

Characteristics for: system 4 and 5 in direct drive motor with 2/4/6/8 poles depending on the model.

Characteristic curves

CMTC 670



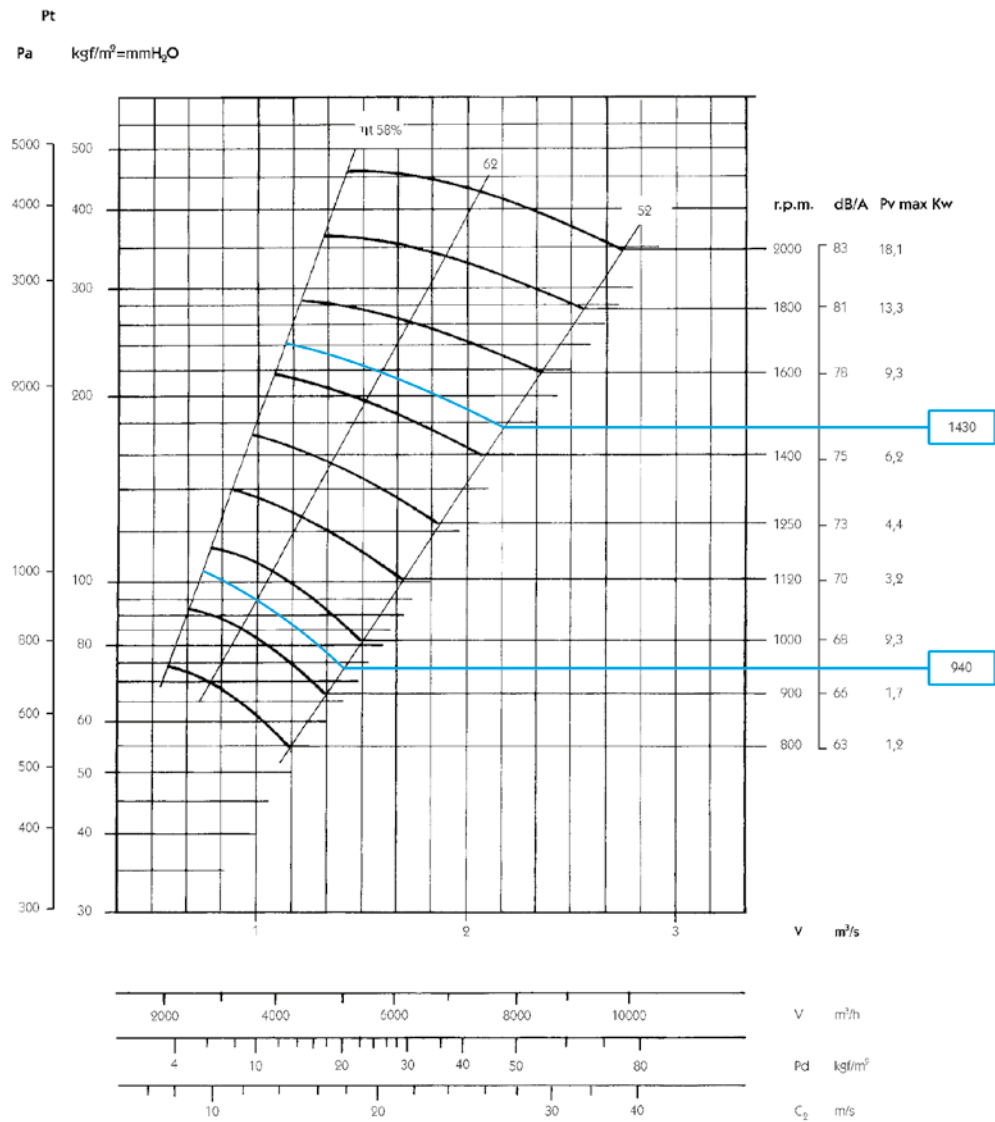
Flow margin ±5%
 Noise level margin + 3... 5 dB
 Margin of kW absorbed ±3%

Outlet characteristics.

Rpm Characteristics for: system 4 and 5 in direct drive motor with 2/4/6/8 poles depending on the model.

Characteristic curves

CMTC 700



Flow margin $\pm 5\%$
 Noise level margin + 3... 5 dB
 Margin of kW absorbed $\pm 3\%$

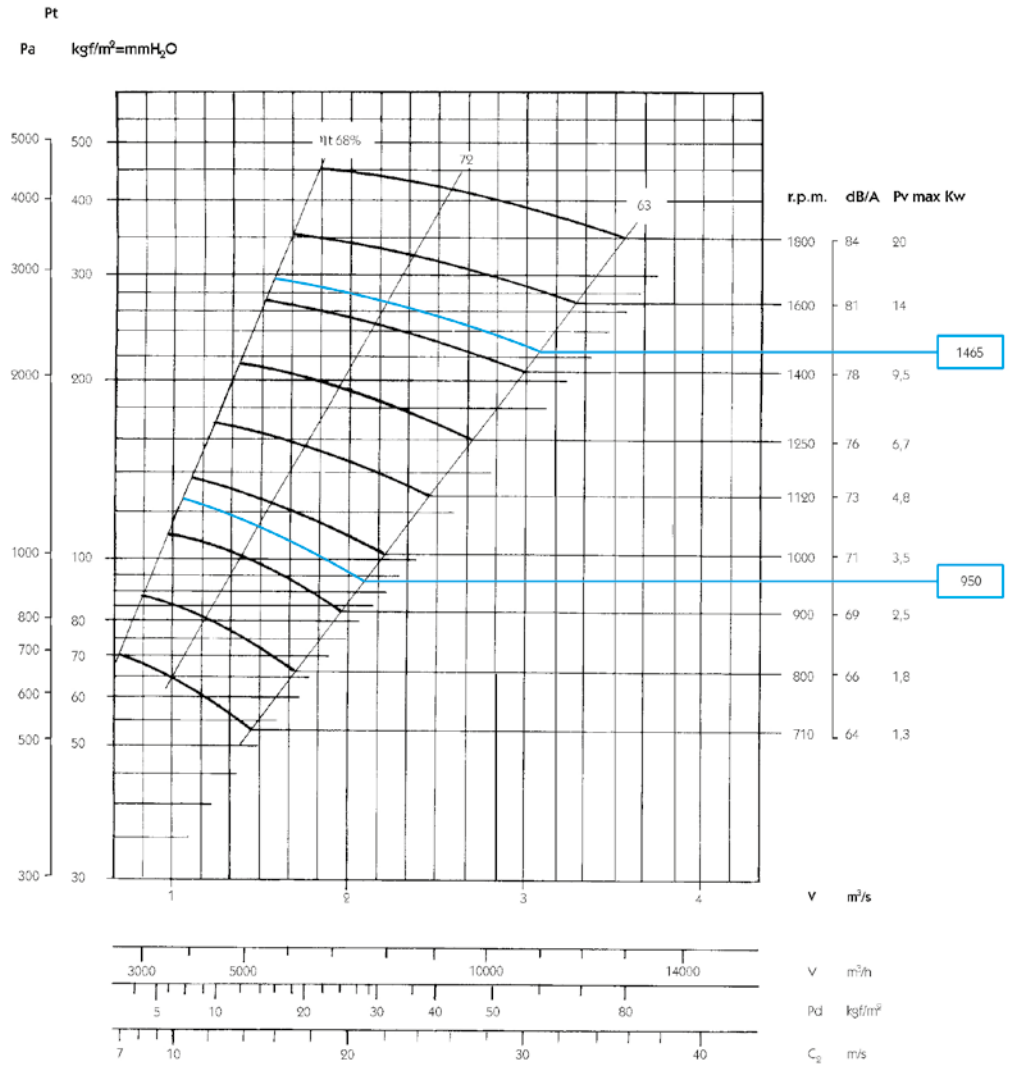
Outlet characteristics.

Rpm

Characteristics for: system 4 and 5 in direct drive motor with 2/4/6/8 poles depending on the model.

Characteristic curves

CMTC 750



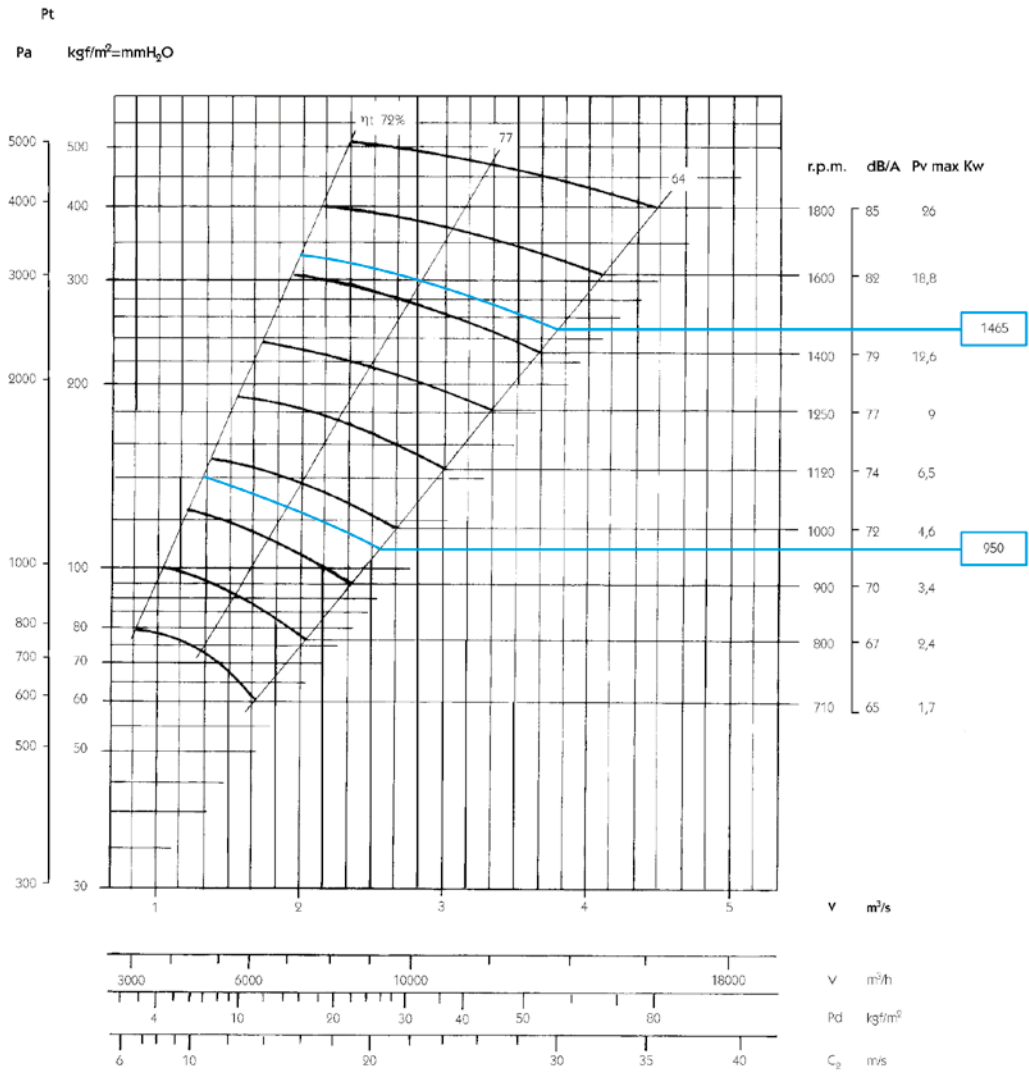
Flow margin $\pm 5\%$
 Noise level margin + 3... 5 dB
 Margin of kW absorbed $\pm 3\%$

Outlet characteristics.

Rpm Characteristics for: system 4 and 5 in direct drive motor with 2/4/6/8 poles depending on the model.

Characteristic curves

CMTC 800



Flow margin $\pm 5\%$
 Noise level margin + 3... 5 dB
 Margin of kW absorbed $\pm 3\%$

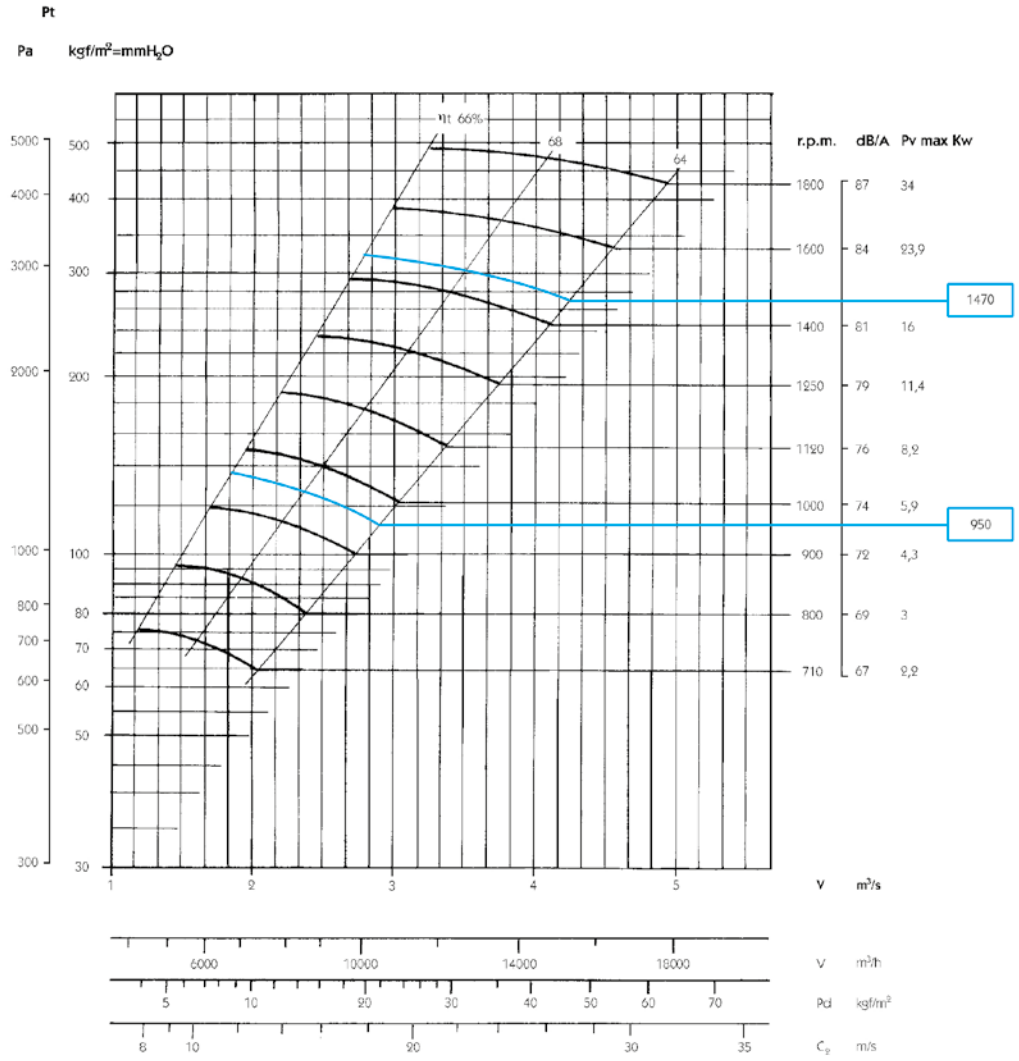
Outlet characteristics.

Rpm

Characteristics for: system 4 and 5 in direct drive motor with 2/4/6/8 poles depending on the model.

Characteristic curves

CMTC 835



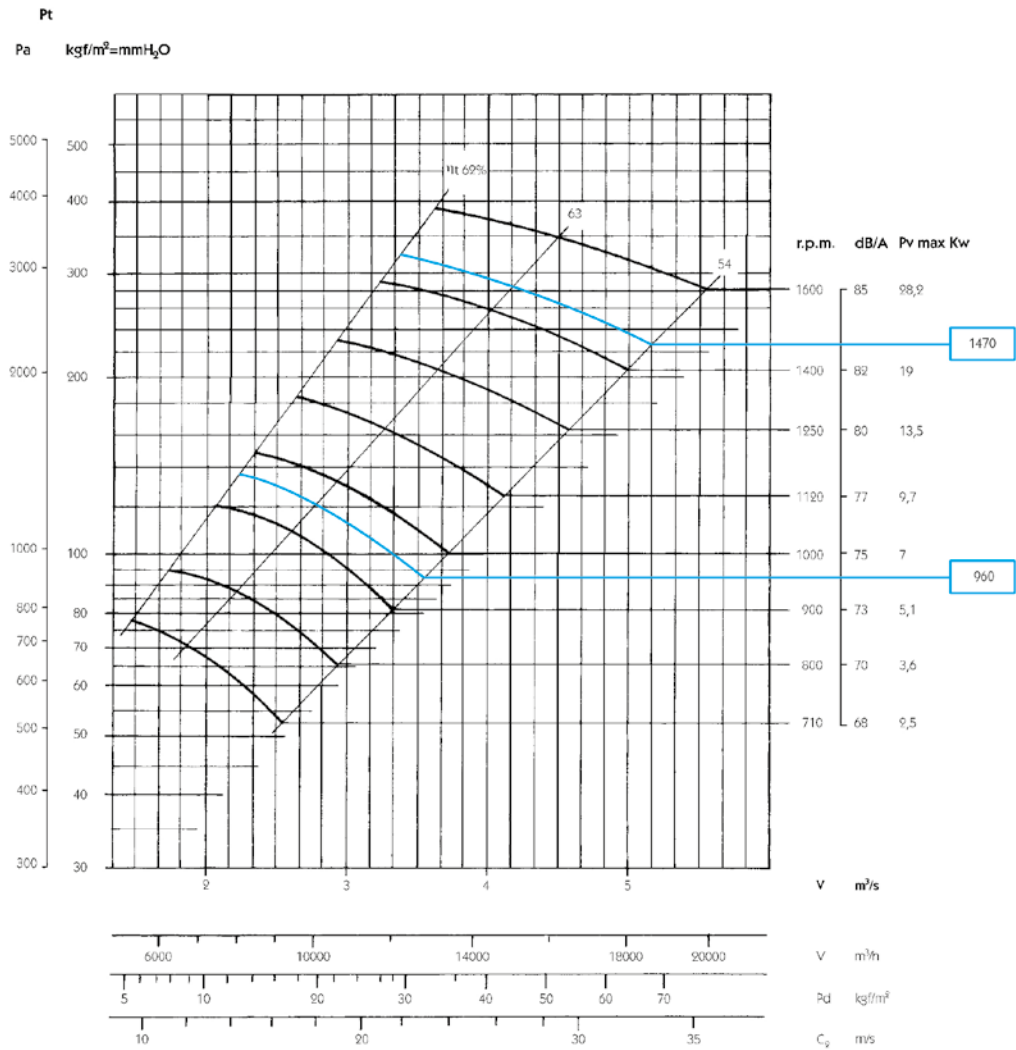
Flow margin $\pm 5\%$
 Noise level margin + 3... 5 dB
 Margin of kW absorbed $\pm 3\%$

Outlet characteristics.

Rpm Characteristics for: system 4 and 5 in direct drive motor with 2/4/6/8 poles depending on the model.

Characteristic curves

CMTC 855



Flow margin $\pm 5\%$
 Noise level margin + 3... 5 dB
 Margin of kW absorbed $\pm 3\%$

Outlet characteristics.

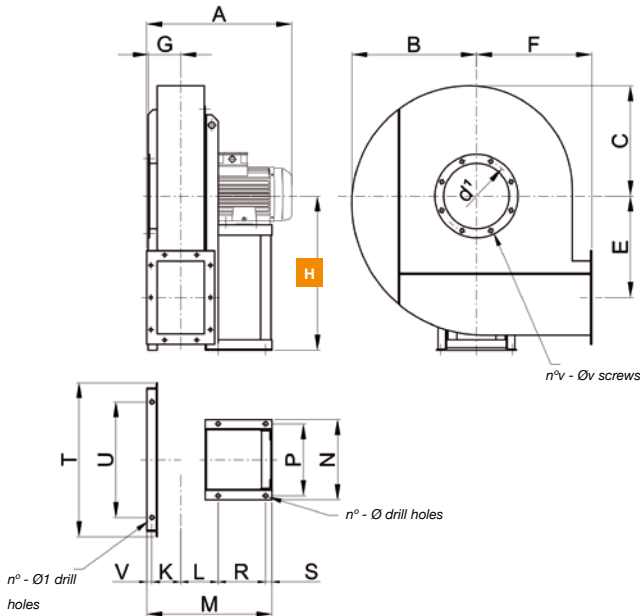
Rpm

Characteristics for: system 4 and 5 in direct drive motor with 2/4/6/8 poles depending on the model.

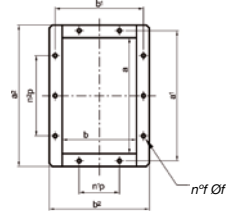
Dimensions mm

SYSTEM
4

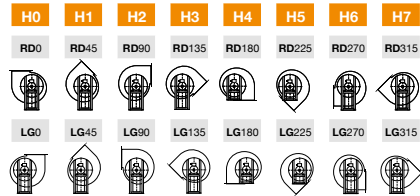
CMTC 630...855



OUTLET NOZZLE



ORIENTATIONS



H *The measurement of height H (distance between the ground and the axis) varies depending on the orientations

| MOD. | FRAME | A* | B | C | E | F | G | HO-1-2-3 | H4-5 | H6-7 | L | K | M* | N | P | R* | S | T | U |
|----------|----------|-----|-----|-----|-----|-----|-----|----------|------|------|-----|-----|-----|-----|-----|-----|----|-----|-----|
| CMTC 630 | 112 M/4 | 540 | 490 | 435 | 395 | 450 | 125 | 600 | 450 | 600 | 146 | - | 260 | 312 | 280 | 185 | 25 | - | - |
| CMTC 630 | 90 L/6 | 510 | 490 | 435 | 395 | 450 | 125 | 600 | 450 | 600 | 146 | - | 215 | 269 | 245 | 140 | 25 | - | - |
| CMTC 670 | 132 S/4 | 650 | 535 | 480 | 425 | 475 | 145 | 630 | 475 | 630 | 157 | - | 320 | 342 | 310 | 245 | 25 | - | - |
| CMTC 670 | 112 M/6 | 560 | 535 | 480 | 425 | 475 | 145 | 630 | 475 | 630 | 157 | - | 260 | 312 | 280 | 185 | 25 | - | - |
| CMTC 700 | 132 MA/4 | 705 | 575 | 515 | 445 | 500 | 160 | 710 | 500 | 710 | 169 | - | 320 | 342 | 310 | 245 | 25 | - | - |
| CMTC 700 | 112 M/6 | 590 | 575 | 515 | 445 | 500 | 160 | 710 | 500 | 710 | 169 | - | 260 | 312 | 280 | 185 | 25 | - | - |
| CMTC 750 | 160 M/4 | 775 | 640 | 575 | 494 | 560 | 172 | 750 | 560 | 750 | 183 | - | 425 | 440 | 400 | 345 | 30 | - | - |
| CMTC 750 | 132 MA/6 | 730 | 640 | 575 | 494 | 560 | 172 | 750 | 560 | 750 | 183 | - | 320 | 342 | 310 | 245 | 25 | - | - |
| CMTC 800 | 160 L/4 | 915 | 655 | 580 | 500 | 560 | 195 | 800 | 560 | 800 | 198 | 183 | 776 | 440 | 400 | 345 | 30 | 820 | 660 |
| CMTC 800 | 132 MB/6 | 790 | 655 | 580 | 500 | 560 | 195 | 800 | 560 | 800 | 198 | 183 | 671 | 342 | 310 | 245 | 25 | 820 | 660 |
| CMTC 835 | 180 M/4 | 990 | 730 | 640 | 560 | 630 | 210 | 900 | 630 | 900 | 235 | 201 | 856 | 490 | 450 | 370 | 30 | 900 | 740 |
| CMTC 835 | 132 MB/6 | 830 | 730 | 640 | 560 | 630 | 210 | 900 | 630 | 900 | 215 | 201 | 706 | 342 | 310 | 245 | 25 | 900 | 740 |
| CMTC 855 | 180 L/4 | 990 | 730 | 640 | 560 | 630 | 210 | 900 | 630 | 900 | 235 | 201 | 856 | 490 | 450 | 370 | 30 | 900 | 740 |
| CMTC 855 | 160 M/6 | 870 | 730 | 640 | 560 | 630 | 210 | 900 | 630 | 900 | 215 | 201 | 811 | 490 | 450 | 345 | 30 | 900 | 740 |

OUTLET NOZZLE

| MOD. | V | n° | Φ | Φ ¹ | d ¹ | n°v | Φv | a | b | a ¹ | b ¹ | a ² | b ² | n°p | n°p | n°f | Φf | kg | WD ² |
|----------|----|----|----|----------------|----------------|-----|----|-----|-----|----------------|----------------|----------------|----------------|-------|-------|-----|----|-----|-----------------|
| CMTC 630 | - | 4 | 12 | - | 292 | 8 | 11 | 284 | 185 | 332 | 232 | 364 | 265 | 1-125 | 2-125 | 10 | 12 | 135 | 4.1 |
| CMTC 630 | - | 4 | 10 | - | 292 | 8 | 11 | 284 | 185 | 332 | 232 | 364 | 265 | 1-125 | 2-125 | 10 | 12 | 105 | 4.1 |
| CMTC 670 | - | 4 | 12 | - | 332 | 8 | 11 | 320 | 207 | 366 | 251 | 400 | 287 | 1-125 | 2-125 | 10 | 12 | 170 | 5.3 |
| CMTC 670 | - | 4 | 12 | - | 332 | 8 | 11 | 320 | 207 | 366 | 251 | 400 | 287 | 1-125 | 2-125 | 10 | 12 | 150 | 5.3 |
| CMTC 700 | - | 4 | 12 | - | 366 | 8 | 11 | 360 | 231 | 405 | 274 | 440 | 311 | 1-125 | 2-125 | 10 | 12 | 185 | 6.1 |
| CMTC 700 | - | 4 | 12 | - | 366 | 8 | 11 | 360 | 231 | 405 | 274 | 440 | 311 | 1-125 | 2-125 | 10 | 12 | 155 | 6.1 |
| CMTC 750 | - | 4 | 14 | - | 405 | 8 | 11 | 405 | 257 | 448 | 298 | 485 | 337 | 1-125 | 3-125 | 12 | 12 | 270 | 8.9 |
| CMTC 750 | - | 4 | 12 | - | 405 | 8 | 11 | 405 | 257 | 448 | 298 | 485 | 337 | 1-125 | 3-125 | 12 | 12 | 225 | 8.9 |
| CMTC 800 | 20 | 6 | 14 | 19 | 448 | 12 | 11 | 457 | 287 | 497 | 327 | 537 | 367 | 2-125 | 3-125 | 14 | 12 | 305 | 12 |
| CMTC 800 | 20 | 6 | 12 | 19 | 448 | 12 | 11 | 457 | 287 | 497 | 327 | 537 | 367 | 2-125 | 3-125 | 14 | 12 | 255 | 12 |
| CMTC 835 | 20 | 6 | 17 | 19 | 497 | 12 | 11 | 507 | 322 | 551 | 366 | 587 | 402 | 2-125 | 3-125 | 14 | 12 | 375 | 14 |
| CMTC 835 | 20 | 6 | 12 | 19 | 497 | 12 | 11 | 507 | 322 | 551 | 366 | 587 | 402 | 2-125 | 3-125 | 14 | 12 | 290 | 14 |
| CMTC 855 | 20 | 6 | 17 | 19 | 497 | 12 | 11 | 507 | 322 | 551 | 366 | 587 | 402 | 2-125 | 3-125 | 14 | 12 | 400 | 15.3 |
| CMTC 855 | 20 | 6 | 14 | 19 | 497 | 12 | 11 | 507 | 322 | 551 | 366 | 587 | 402 | 2-125 | 3-125 | 14 | 12 | 320 | 15.3 |

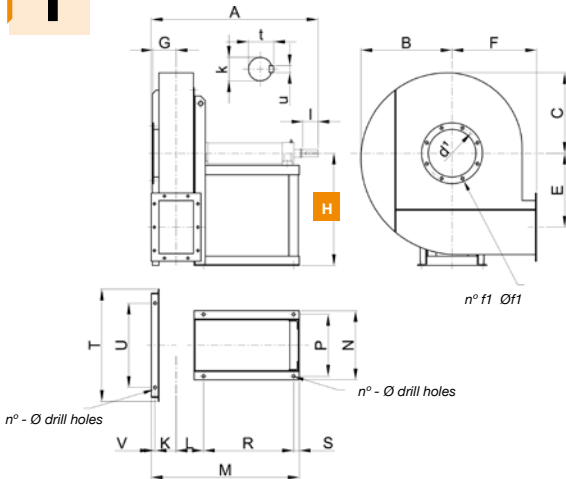
*For "HIGH TEMP." constructions, elevations "A-M-R" + 50 mm.
(kg) Weight of fan with motor.
WD² = Moment of inertia of the impeller, expressed in Kg x m²

LARGE SERIES

Dimensions mm

CMTC-X 630...855

SYSTEM
1



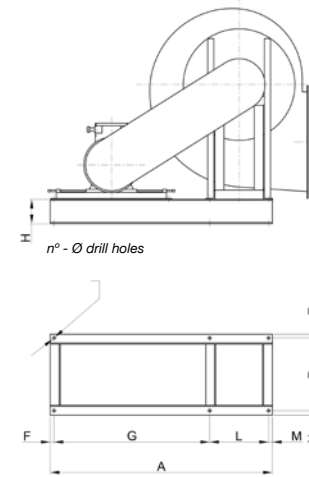
| MOD. | A* | B | C | E | F | G | HO-1-2-3 | H4-5 | H6-7 |
|----------|------|-----|-----|-----|-----|-----|----------|------|------|
| CMTC 630 | 890 | 490 | 435 | 395 | 450 | 125 | 600 | 450 | 600 |
| CMTC 670 | 1010 | 535 | 480 | 425 | 475 | 145 | 630 | 475 | 630 |
| CMTC 700 | 1035 | 575 | 515 | 445 | 500 | 160 | 710 | 500 | 710 |
| CMTC 750 | 1060 | 640 | 575 | 494 | 560 | 172 | 750 | 560 | 750 |
| CMTC 800 | 1160 | 655 | 580 | 500 | 560 | 195 | 800 | 560 | 800 |
| CMTC 835 | 1195 | 730 | 640 | 560 | 630 | 210 | 900 | 630 | 900 |
| CMTC 855 | 1195 | 730 | 640 | 560 | 630 | 210 | 900 | 630 | 900 |

| MOD. | L | K | M* | N | P | R* | S | T | U | V | n° | Φ | k |
|----------|-----|-----|------|-----|-----|-----|----|-----|-----|----|----|----|-------|
| CMTC 630 | 146 | - | 560 | 370 | 330 | 480 | 30 | - | - | - | 4 | 14 | 38 k6 |
| CMTC 670 | 157 | - | 605 | 456 | 395 | 515 | 40 | - | - | - | 4 | 19 | 48 k6 |
| CMTC 700 | 169 | - | 605 | 456 | 395 | 515 | 40 | - | - | - | 4 | 19 | 48 k6 |
| CMTC 750 | 183 | - | 605 | 456 | 395 | 515 | 40 | - | - | - | 4 | 19 | 48 k6 |
| CMTC 800 | 198 | 183 | 1006 | 496 | 435 | 565 | 40 | 820 | 660 | 20 | 6 | 19 | 55 m6 |
| CMTC 835 | 215 | 201 | 1041 | 496 | 435 | 565 | 40 | 900 | 740 | 20 | 6 | 19 | 55 m6 |
| CMTC 855 | 215 | 201 | 1041 | 496 | 435 | 565 | 40 | 900 | 740 | 20 | 6 | 19 | 55 m6 |

| MOD. | l | t | u | d ¹ | n°f ¹ | Øf1 | kg | WD ² |
|----------|-----|------|----|----------------|------------------|-----|-----|-----------------|
| CMTC 630 | 80 | 41 | 10 | 292 | 8 | 11 | 125 | 4.1 |
| CMTC 670 | 110 | 51.5 | 14 | 332 | 8 | 11 | 165 | 5.3 |
| CMTC 700 | 110 | 51.5 | 14 | 366 | 8 | 11 | 170 | 6.1 |
| CMTC 750 | 110 | 51.5 | 14 | 405 | 8 | 11 | 215 | 8.9 |
| CMTC 800 | 110 | 59 | 16 | 448 | 12 | 11 | 245 | 12 |
| CMTC 835 | 110 | 59 | 16 | 497 | 12 | 11 | 285 | 14 |
| CMTC 855 | 110 | 59 | 16 | 497 | 12 | 11 | 290 | 15.3 |

*For "HIGH TEMP." constructions, elevations "A-M-R" + 50 mm.
kg = Weight of fan without motor.
WD² = Moment of inertia of the impeller, expressed in Kg x m²

CMTC-X 630...750



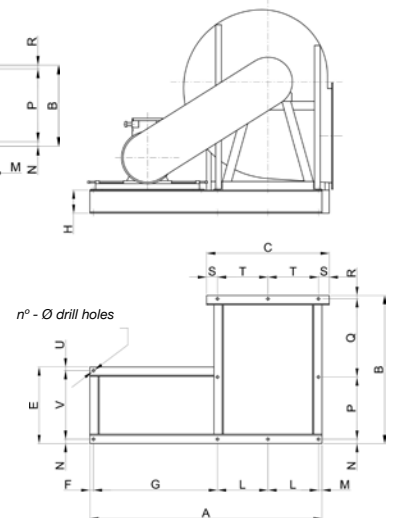
| MOD. | A | B* | C | E | H | F | G | L | M | N |
|----------|------|------|-----|-----|-----|----|------|-----|----|----|
| CMTC 630 | 1120 | 540 | - | - | 160 | 25 | 740 | 330 | 25 | 30 |
| CMTC 670 | 1405 | 575 | - | - | 180 | 30 | 950 | 395 | 30 | 30 |
| CMTC 700 | 1405 | 575 | - | - | 180 | 30 | 950 | 395 | 30 | 30 |
| CMTC 750 | 1405 | 575 | - | - | 180 | 30 | 950 | 395 | 30 | 30 |
| CMTC 800 | 1445 | 995 | 820 | 625 | 180 | 30 | 950 | 435 | 30 | 30 |
| CMTC 835 | 1665 | 1035 | 900 | 625 | 180 | 30 | 1170 | 435 | 30 | 30 |
| CMTC 855 | 1665 | 1035 | 900 | 625 | 180 | 30 | 1170 | 435 | 30 | 30 |

| MOD. | P* | Q | R | S | T | U | V | n° | Φ | Kg |
|----------|-----|-----|----|----|-----|----|-----|----|----|-----|
| CMTC 630 | 480 | - | 30 | - | - | - | - | 6 | 14 | 75 |
| CMTC 670 | 515 | - | 30 | - | - | - | - | 6 | 19 | 105 |
| CMTC 700 | 515 | - | 30 | - | - | - | - | 6 | 19 | 105 |
| CMTC 750 | 515 | - | 30 | - | - | - | - | 6 | 19 | 105 |
| CMTC 800 | 565 | 381 | 19 | 80 | 660 | 30 | 565 | 8 | 19 | 145 |
| CMTC 835 | 565 | 416 | 24 | 80 | 740 | 30 | 565 | 8 | 19 | 155 |
| CMTC 855 | 565 | 416 | 24 | 80 | 740 | 30 | 565 | 8 | 19 | 155 |

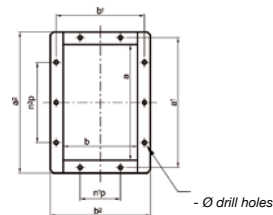
(*) For "HIGH TEMP." constructions, elevations "B-P" + 50 mm.
Kg = Weight of the support base

CMTC-X 800...855

SYSTEM
12



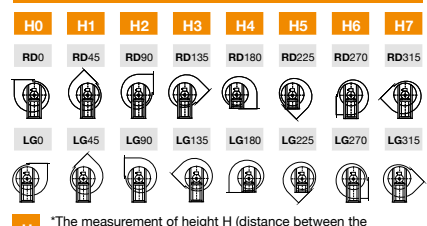
OUTLET NOZZLE



OUTLET NOZZLE

| MOD. | a | b | a' | b' | a'' | b'' | n°p | n°p' | n°f | Φf |
|----------|-----|-----|-----|-----|-----|-----|-------|-------|-----|----|
| CMTC 630 | 284 | 185 | 332 | 232 | 364 | 265 | 1-125 | 2-125 | 10 | 12 |
| CMTC 670 | 320 | 207 | 366 | 251 | 400 | 287 | 1-125 | 2-125 | 10 | 12 |
| CMTC 700 | 360 | 231 | 405 | 274 | 440 | 311 | 1-125 | 2-125 | 10 | 12 |
| CMTC 750 | 405 | 257 | 448 | 298 | 485 | 337 | 1-125 | 3-125 | 12 | 12 |
| CMTC 800 | 457 | 287 | 497 | 327 | 537 | 367 | 2-125 | 3-125 | 14 | 12 |
| CMTC 835 | 507 | 322 | 551 | 366 | 587 | 402 | 2-125 | 3-125 | 14 | 12 |
| CMTC 855 | 507 | 322 | 551 | 366 | 587 | 402 | 2-125 | 3-125 | 14 | 12 |

ORIENTATIONS



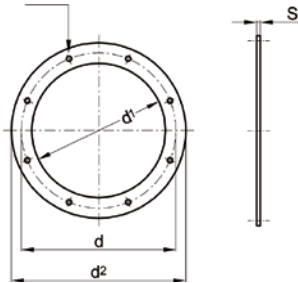
H *The measurement of height H (distance between the ground and the axis) varies depending on the orientations

LARGE SERIES

Accessories

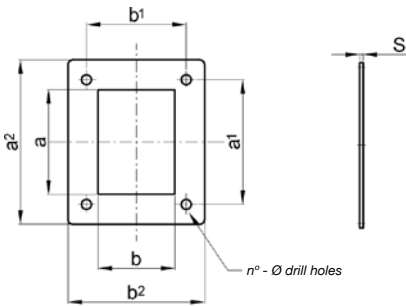
Inlet counter flange

n° - Ø drill holes



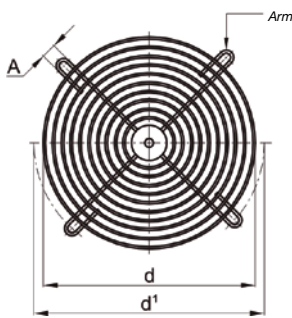
| MOD. | d | d' | d² | n° | Φ | s | kg |
|----------|-----|-----|-----|----|----|---|-----|
| CMTC 630 | 292 | 255 | 325 | 8 | 11 | 4 | 1 |
| CMTC 670 | 332 | 286 | 366 | 8 | 11 | 5 | 1.6 |
| CMTC 700 | 366 | 321 | 401 | 8 | 11 | 5 | 1.8 |
| CMTC 750 | 405 | 361 | 441 | 8 | 11 | 5 | 2 |
| CMTC 800 | 448 | 406 | 486 | 12 | 11 | 5 | 2.2 |
| CMTC 835 | 497 | 456 | 536 | 12 | 11 | 5 | 2.5 |
| CMTC 855 | 497 | 456 | 536 | 12 | 11 | 5 | 2.5 |

Impulsion counter-flange



| MOD. | a | b | a' | b' | a² | b² | n°p | n²p | n° | Φ | s | kg |
|----------|-----|-----|-----|-----|-----|-----|-------|-------|----|----|---|-----|
| CMTC 630 | 284 | 185 | 332 | 232 | 364 | 265 | 1-125 | 2-125 | 10 | 12 | 5 | 1.7 |
| CMTC 670 | 320 | 207 | 366 | 251 | 400 | 287 | 1-125 | 2-125 | 10 | 12 | 5 | 1.8 |
| CMTC 700 | 360 | 231 | 405 | 274 | 440 | 311 | 1-125 | 2-125 | 10 | 12 | 5 | 2 |
| CMTC 750 | 405 | 257 | 448 | 298 | 485 | 337 | 1-125 | 3-125 | 12 | 12 | 5 | 2.2 |
| CMTC 800 | 457 | 287 | 497 | 327 | 537 | 367 | 2-125 | 3-125 | 14 | 12 | 5 | 2.5 |
| CMTC 835 | 507 | 322 | 551 | 366 | 587 | 402 | 2-125 | 3-125 | 14 | 12 | 5 | 2.8 |
| CMTC 855 | 507 | 322 | 551 | 366 | 587 | 402 | 2-125 | 3-125 | 14 | 12 | 5 | 2.8 |

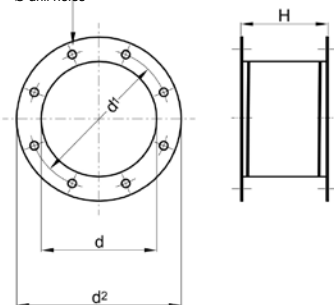
Inlet protection mesh



| MOD. | d | d' | A | n° | kg |
|----------|-----|-----|----|----|------|
| CMTC 630 | 255 | 292 | 11 | 4 | 0.3 |
| CMTC 670 | 286 | 332 | 11 | 4 | 0.35 |
| CMTC 700 | 321 | 366 | 11 | 4 | 0.4 |
| CMTC 750 | 361 | 405 | 11 | 8 | 0.7 |
| CMTC 800 | 406 | 448 | 11 | 8 | 0.8 |
| CMTC 835 | 456 | 497 | 11 | 8 | 0.9 |
| CMTC 855 | 456 | 497 | 11 | 8 | 0.9 |

Inlet anti-vibration seal

n° - Ø drill holes

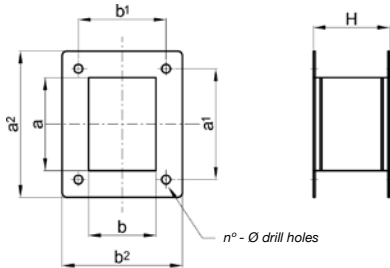


| MOD. | d | d' | d² | n° | Φ | H | kg |
|----------|-----|-----|-----|----|----|-----|-----|
| CMTC 630 | 292 | 255 | 325 | 8 | 11 | 200 | 2.2 |
| CMTC 670 | 332 | 286 | 366 | 8 | 11 | 200 | 3.4 |
| CMTC 700 | 366 | 321 | 401 | 8 | 11 | 200 | 3.8 |
| CMTC 750 | 405 | 361 | 441 | 8 | 11 | 200 | 4.2 |
| CMTC 800 | 448 | 406 | 486 | 12 | 11 | 200 | 4.6 |
| CMTC 835 | 497 | 456 | 536 | 12 | 11 | 200 | 5.2 |
| CMTC 855 | 497 | 456 | 536 | 12 | 11 | 200 | 5.2 |

LARGE SERIES

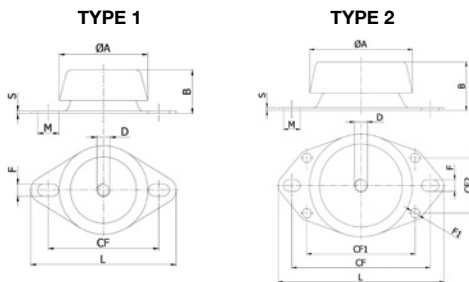
Accessories

Impulsion anti-vibration seal



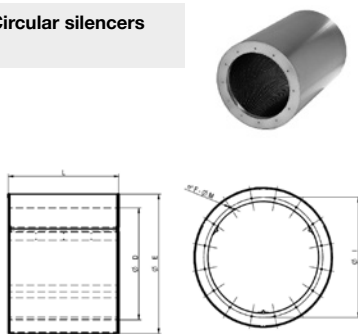
| MOD. | a | b | a ¹ | b ¹ | a ² | b ² | n ¹ p | n ² p | n ⁰ | Φ | H | kg |
|----------|-----|-----|----------------|----------------|----------------|----------------|------------------|------------------|----------------|----|-----|-----|
| CMTC 630 | 284 | 185 | 332 | 232 | 364 | 265 | 1-125 | 2-125 | 10 | 12 | 200 | 3.7 |
| CMTC 670 | 320 | 207 | 366 | 251 | 400 | 287 | 1-125 | 2-125 | 10 | 12 | 200 | 3.9 |
| CMTC 700 | 360 | 231 | 405 | 274 | 440 | 311 | 1-125 | 2-125 | 10 | 12 | 200 | 4.3 |
| CMTC 750 | 405 | 257 | 448 | 298 | 485 | 337 | 1-125 | 3-125 | 12 | 12 | 200 | 4.7 |
| CMTC 800 | 457 | 287 | 497 | 327 | 537 | 367 | 2-125 | 3-125 | 14 | 12 | 200 | 5.3 |
| CMTC 835 | 507 | 322 | 551 | 366 | 587 | 402 | 2-125 | 3-125 | 14 | 12 | 200 | 5.9 |
| CMTC 855 | 507 | 322 | 551 | 366 | 587 | 402 | 2-125 | 3-125 | 14 | 12 | 200 | 5.9 |

Shock absorbers



| MOD. | SHOCK-ABSORBERS MODEL | TYPE | øA | B | D | CF | CF1 | CF2 | F | øF1 | L | M | S |
|----------|-----------------------|------|----|---------|----|------|-----|-----|------|-----|------|------|-----|
| CMTC 630 | CF 623110 | 1 | 67 | 33...34 | 10 | 76.5 | - | - | 9 | - | 90.5 | 16 | 2 |
| CMTC 670 | CF 623110 | 1 | 67 | 33...34 | 10 | 76.5 | - | - | 9 | - | 90.5 | 16 | 2 |
| CMTC 700 | CF 623110 | 1 | 67 | 33...34 | 10 | 76.5 | - | - | 9 | - | 90.5 | 16 | 2 |
| CMTC 750 | CF 924512 | 2 | 92 | 44...45 | 12 | 120 | 98 | 50 | 10.5 | 8.5 | 130 | 15.5 | 2.5 |
| CMTC 800 | CF 924512 | 2 | 92 | 44...45 | 12 | 120 | 98 | 50 | 10.5 | 8.5 | 130 | 15.5 | 2.5 |
| CMTC 835 | CF 924512 | 2 | 92 | 44...45 | 12 | 120 | 98 | 50 | 10.5 | 8.5 | 130 | 15.5 | 2.5 |
| CMTC 855 | CF 924512 | 2 | 92 | 44...45 | 12 | 120 | 98 | 50 | 10.5 | 8.5 | 130 | 15.5 | 2.5 |

Circular silencers



Silencers are used to lower the noise level at air conditioning or ventilation installation manufactured using galvanised steel.

• Upon request: other constructions using different materials.

| øD | øE | L | øI | F | øM | øD | øE | L | øI | F | øM |
|-----|------|---------------|-----|----|----|------|------|---------------|------|----|-----|
| 315 | 515 | ØD,1.5ØD, 2ØD | 355 | 8 | M8 | 900 | 1100 | ØD,1.5ØD, 2ØD | 970 | 16 | M10 |
| 355 | 555 | ØD,1.5ØD, 2ØD | 395 | 8 | M8 | 1000 | 1200 | ØD,1.5ØD, 2ØD | 1070 | 16 | M10 |
| 400 | 600 | ØD,1.5ØD, 2ØD | 450 | 8 | M8 | 1120 | 1320 | ØD,1.5ØD, 2ØD | 1190 | 20 | M10 |
| 450 | 650 | ØD,1.5ØD, 2ØD | 500 | 8 | M8 | 1250 | 1450 | ØD,1.5ØD, 2ØD | 1320 | 20 | M10 |
| 500 | 700 | ØD,1.5ØD, 2ØD | 560 | 12 | M8 | 1400 | 1600 | ØD,1.5ØD, 2ØD | 1470 | 20 | M10 |
| 560 | 760 | ØD,1.5ØD, 2ØD | 620 | 12 | M8 | 1500 | 1700 | ØD,1.5ØD, 2ØD | 1570 | 20 | M10 |
| 630 | 830 | ØD,1.5ØD, 2ØD | 690 | 12 | M8 | 1600 | 1800 | ØD,1.5ØD, 2ØD | 1680 | 24 | M14 |
| 710 | 910 | ØD,1.5ØD, 2ØD | 770 | 16 | M8 | 1700 | 1900 | ØD,1.5ØD, 2ØD | 1780 | 24 | M14 |
| 800 | 1000 | ØD,1.5ØD, 2ØD | 860 | 16 | M8 | 1800 | 2000 | ØD,1.5ØD, 2ØD | 1880 | 24 | M14 |