

SERIE **FCC**

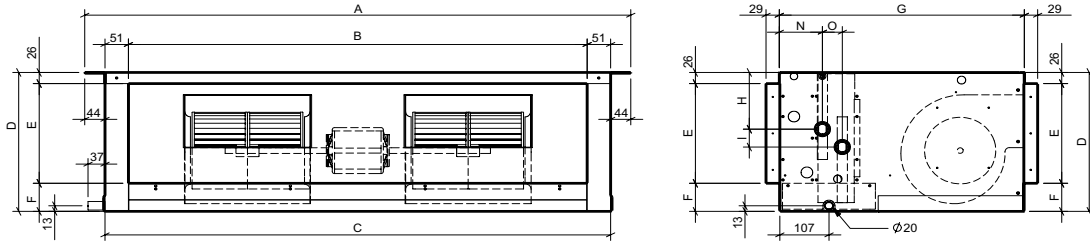
DUCTABLE AIR TREATMENT UNITS]

TECHNICAL MANUAL

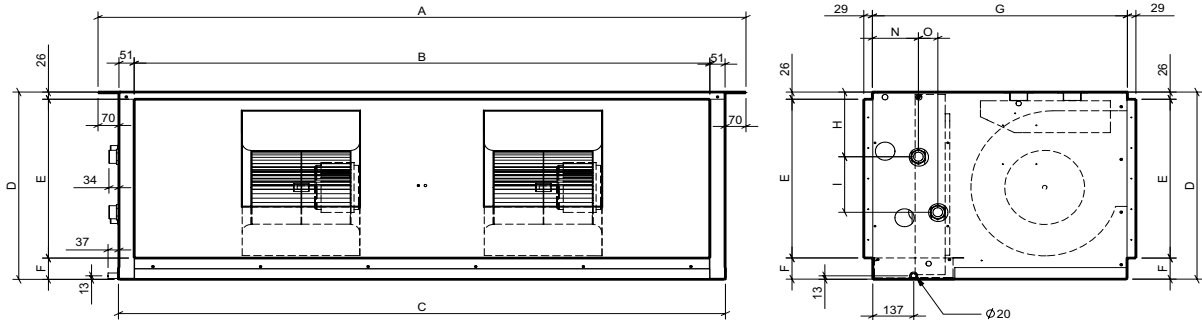
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MODELS FCC 10, 20, 30, 40, 50



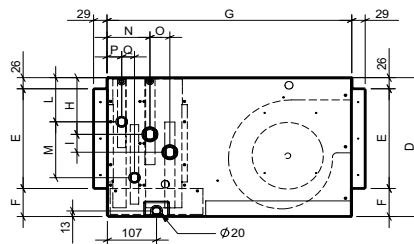
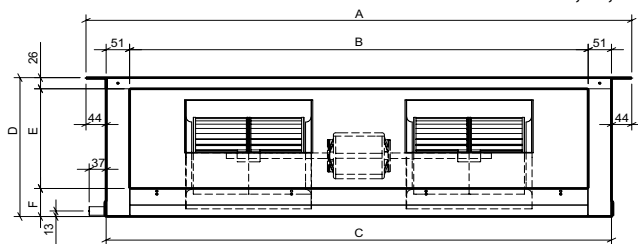
MODELS FCC 60, 70



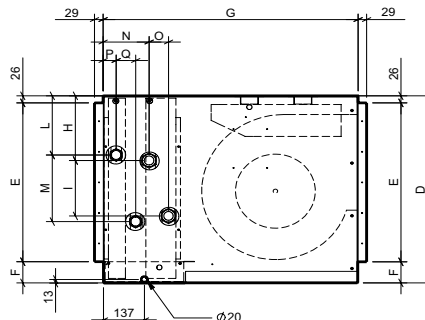
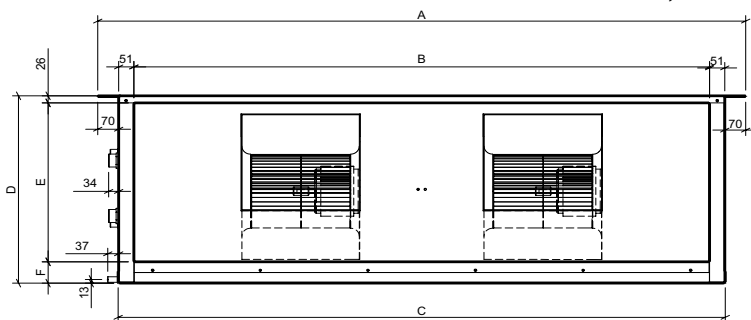
GENERAL DIMENSIONS, 2 PIPE INSTALLATION UNIT (1 Coil)

| MODEL | | FCC 10 | FCC 20 | FCC 30 | FCC 40 | FCC 50 | FCC 60 | FCC 70 | |
|--|----------------------------|----------------|---------|---------|---------|---------|---------|---------|---------|
| Coil used for both cooling and heating | Fans - motors number | n° | 1 - 1 | 2 - 1 | 2 - 1 | 2 - 1 | 2 - 1 | 1 - 1 | 2 - 2 |
| | Rows number | n° | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| | Finned pack length | mm | 523 | 873 | 973 | 1.213 | 1.213 | 1.213 | 1.900 |
| | Number of pipes per row | n° | 11 | 11 | 12 | 12 | 14 | 26 | 26 |
| | Fin spacing | mm | 2,1 | 2,1 | 2,1 | 2,1 | 2,1 | 2,1 | 2,1 |
| | Number of feeding circuits | n° | 3 | 4 | 5 | 6 | 8 | 16 | 26 |
| | Shape | mmxmm | 25 x 22 | 25 x 22 | 25 x 22 | 25 x 22 | 25 x 22 | 25 x 22 | 25 x 22 |
| | Finned pack depth | mm | 66 | 66 | 66 | 66 | 66 | 88 | 88 |
| | Frontal surface | m ² | 0,144 | 0,240 | 0,292 | 0,364 | 0,425 | 0,788 | 1,235 |
| | Fins total surface | m ² | 8,128 | 13,567 | 16,495 | 20,564 | 23,991 | 59,407 | 93,053 |
| | Water content | litri | 1,36 | 2,18 | 2,63 | 3,25 | 3,79 | 9,38 | 14,44 |
| Hydraulic connections (φ Male Gas) | φ | 1/2" | 1/2" | 3/4" | 3/4" | 1" | 1" 1/4 | 1" 1/2 | |
| Unit general features | A | mm | 738 | 1.088 | 1.188 | 1.428 | 1.428 | 1.481 | 2.168 |
| | B | mm | 548 | 898 | 998 | 1.238 | 1.238 | 1.239 | 1.926 |
| | C | mm | 650 | 1.000 | 1.100 | 1.340 | 1.340 | 1.341 | 2.028 |
| | D | mm | 299 | 299 | 323 | 323 | 373 | 674 | 674 |
| | E | mm | 232 | 232 | 232 | 232 | 272 | 573 | 573 |
| | F | mm | 41 | 41 | 65 | 65 | 75 | 75 | 75 |
| | G | mm | 533 | 533 | 533 | 533 | 533 | 852 | 852 |
| | H | mm | 96 | 96 | 107 | 107 | 133 | 235 | 235 |
| | I | mm | 100 | 100 | 100 | 100 | 100 | 200 | 200 |
| | N | mm | 105 | 105 | 105 | 105 | 105 | 156 | 156 |
| O | mm | 65 | 65 | 65 | 65 | 65 | 65 | 65 | |
| Net weight | Kg | 28 | 36 | 41 | 46 | 57 | 117 | 192 | |

MODELS FCC 10, 20, 30, 40, 50



MODELS FCC 60, 70



GENERAL DIMENSIONS, 4 PIPE INSTALLATION UNIT (2 Coils)

| MODEL | | FCC 10 | FCC 20 | FCC 30 | FCC 40 | FCC 50 | FCC 60 | FCC 70 |
|--------------------------------------|----------------------------|----------------|---------|---------|---------|---------|---------|---------|
| Coil used for cooling | Fans - motors number | n° | 1 - 1 | 2 - 1 | 2 - 1 | 2 - 1 | 1 - 1 | 2 - 2 |
| | Rows number | n° | 3 | 3 | 3 | 3 | 4 | 4 |
| | Finned pack length | mm | 523 | 873 | 973 | 1.213 | 1.213 | 1.900 |
| | Number of pipes per row | n° | 11 | 11 | 12 | 12 | 14 | 26 |
| | Fin spacing | mm | 2 | 2 | 2 | 2 | 2 | 2 |
| | Number of feeding circuits | n° | 3 | 4 | 5 | 6 | 8 | 16 |
| | Shape | mmxmm | 25 x 22 | 25 x 22 | 25 x 22 | 25 x 22 | 25 x 22 | 25 x 22 |
| | Finned pack depth | mm | 66 | 66 | 66 | 66 | 66 | 88 |
| | Frontal surface | m ² | 0,144 | 0,240 | 0,292 | 0,364 | 0,425 | 0,788 |
| | Fins total surface | m ² | 8,128 | 13,567 | 16,495 | 20,564 | 23,991 | 59,407 |
| Water content | litri | 1,36 | 2,18 | 2,63 | 3,25 | 3,79 | 9,38 | |
| Hydraulic connections (φ Male Gas) | φ | 1/2" | 1/2" | 3/4" | 3/4" | 1" | 1" 1/4 | |
| Coil used for heating | Rows number | n° | 1 | 1 | 1 | 1 | 2 | 2 |
| | Finned pack length | mm | 523 | 873 | 973 | 1.213 | 1.213 | 1.900 |
| | Number of pipes per row | n° | 11 | 11 | 12 | 12 | 14 | 26 |
| | Fin spacing | mm | 2,1 | 2,1 | 2,1 | 2,1 | 2,1 | 2,1 |
| | Number of feeding circuits | n° | 1 | 2 | 2 | 3 | 3 | 10 |
| | Shape | mmxmm | 25 x 25 | 25 x 25 | 25 x 25 | 25 x 25 | 25 x 25 | 25 x 25 |
| | Finned pack depth | mm | 25 | 25 | 25 | 25 | 25 | 25 |
| | Frontal surface | m ² | 0,144 | 0,240 | 0,292 | 0,364 | 0,425 | 0,788 |
| | Fins total surface | m ² | 2,709 | 4,522 | 5,498 | 6,855 | 7,997 | 29,704 |
| | Water content | litri | 0,45 | 0,73 | 0,88 | 1,08 | 1,26 | 4,69 |
| Hydraulic connections (φ Male Gas) | φ | 1/2" | 1/2" | 1/2" | 1/2" | 3/4" | 1" | |
| Unit general features | A | mm | 738 | 1.088 | 1.188 | 1.428 | 1.428 | 1.481 |
| | B | mm | 548 | 898 | 998 | 1.238 | 1.238 | 1.239 |
| | C | mm | 650 | 1.000 | 1.100 | 1.340 | 1.340 | 1.341 |
| | D | mm | 299 | 299 | 323 | 323 | 373 | 674 |
| | E | mm | 232 | 232 | 232 | 232 | 272 | 573 |
| | F | mm | 41 | 41 | 65 | 65 | 75 | 75 |
| | G | mm | 533 | 533 | 533 | 533 | 533 | 852 |
| | H | mm | 96 | 96 | 107 | 107 | 133 | 235 |
| | I | mm | 100 | 100 | 100 | 100 | 100 | 200 |
| | L | mm | 75 | 75 | 87 | 87 | 113 | 213 |
| M | mm | 140 | 140 | 140 | 140 | 140 | 240 | |
| N | mm | 105 | 105 | 105 | 105 | 105 | 156 | |
| O | mm | 65 | 65 | 65 | 65 | 65 | 65 | |
| P | mm | 35 | 35 | 35 | 35 | 32 | 43 | |
| Q | mm | 40 | 40 | 40 | 40 | 40 | 65 | |
| Net weight | Kg | 30 | 38 | 44 | 49 | 61 | 130 | |

GENERAL TECHNICAL DATA, 2 PIPE INTSALLATION UNIT

| MODEL | | FCC 10 | FCC 20 | FCC 30 | FCC 40 | FCC 50 | FCC 60 | FCC 70 | |
|------------|----------------------------------|-------------------|--------|--------|--------|--------|--------|--------|---------|
| A | Sensible cooling capacity | Frig/h | 2.800 | 4.861 | 6.346 | 7.437 | 9.503 | 18.219 | 34.055 |
| | | W | 3.248 | 5.639 | 7.361 | 8.627 | 11.023 | 21.134 | 39.504 |
| A | Total cooling capacity | Frig/h | 3.455 | 6.074 | 7.930 | 9.137 | 11.285 | 23.976 | 43.653 |
| | | W | 4.008 | 7.046 | 9.198 | 10.599 | 13.091 | 27.812 | 50.638 |
| B | Heating capacity | Kcal/h | 4.286 | 7.338 | 9.664 | 11.034 | 14.498 | 27.957 | 51.820 |
| | | W | 4.972 | 8.512 | 11.210 | 12.800 | 16.818 | 32.430 | 60.111 |
| A-B | Water flow | l/h | 691 | 1.215 | 1.586 | 1.827 | 2.257 | 4.795 | 8.731 |
| | | l/s | 0,192 | 0,337 | 0,441 | 0,508 | 0,627 | 1,332 | 2,425 |
| A | Water pressure drops in cooling | m.C.A. | 2,0 | 3,1 | 3,4 | 3,2 | 3,6 | 3,4 | 4,0 |
| | | KPa | 20 | 31 | 34 | 32 | 36 | 34 | 40 |
| B | Water pressure drops in heating | m.C.A. | 1,7 | 2,7 | 2,9 | 2,8 | 3,1 | 2,9 | 3,4 |
| | | KPa | 17 | 27 | 29 | 28 | 31 | 29 | 34 |
| C | Heating capacity | Kcal/h | 7.171 | 12.239 | 16.134 | 18.404 | 24.355 | 46.448 | 86.264 |
| | | W | 8.318 | 14.197 | 18.716 | 21.349 | 28.252 | 53.880 | 100.066 |
| C | Water flow | l/h | 717 | 1.224 | 1.613 | 1.840 | 2.436 | 4.645 | 8.626 |
| | | l/s | 0,199 | 0,340 | 0,448 | 0,511 | 0,677 | 1,290 | 2,396 |
| C | Water pressure drops in heating | m.C.A. | 1,6 | 2,4 | 2,7 | 2,5 | 3,2 | 2,4 | 3,0 |
| | | KPa | 16 | 24 | 27 | 25 | 32 | 24 | 30 |
| D | Electric heater heating capacity | W | 3.000 | 6.000 | 6.000 | 9.000 | 9.000 | 12.000 | 18.000 |
| | | Kcal/h | 2.586 | 5.172 | 5.172 | 7.759 | 7.759 | 10.345 | 15.517 |
| D | Electric heater input current | A | 4,56 | 9,12 | 9,12 | 13,67 | 13,67 | 18,23 | 27,35 |
| E | Electric heater heating capacity | W | 4.500 | 9.000 | 9.000 | 12.000 | 12.000 | 18.000 | 24.000 |
| | | Kcal/h | 3.879 | 7.759 | 7.759 | 10.345 | 10.345 | 15.517 | 20.690 |
| E | Electric heater input current | A | 6,84 | 13,67 | 13,67 | 18,23 | 18,23 | 27,35 | 36,46 |
| F | Air flow | m ³ /h | 837 | 1.423 | 1.951 | 2.131 | 3.002 | 4.678 | 9.250 |
| | | m ³ /s | 0,233 | 0,395 | 0,542 | 0,592 | 0,834 | 1,299 | 2,569 |
| F | Fan speed | g/min | 1.360 | 1.360 | 1.200 | 1.207 | 1.382 | 806 | 822 |
| G | Sound level | dB(A) | 68 | 69 | 70 | 69 | 74 | 78 | 81 |
| H | Motor electrical power | W | 162 | 218 | 322 | 340 | 582 | 1.320 | 2.600 |
| | Motor electrical input | A | 0,74 | 1,00 | 1,47 | 1,55 | 2,65 | 6,01 | 12,05 |

Feeding voltage 230V single-phase 50 Hz

Eurovent certified performances – above mentioned technical data are calculate at the following operating conditions:

- Maximum fan speed
- Standard unit without ducts (fancoil operating without external back pressure)
- (A) **Cooling:** entering water temperature 7°C; leaving water temperature 12°C; entering air temperature 27°C w.b. 19°C d.b.
- (B) **Heating:** entering water temperature 50°C; same water flow as in cooling; entering air temperature 20°C.
- (C) **Heating:** entering water temperature 70°C; leaving water temperature 60°C; entering air temperature 20°C.
- (D) **Electric heaters section SRE - B:** Electric heaters capacities, Lower speed cabling (SRE - B supplied as accessory only)
- (E) **Electric heaters section SRE - A:** Electric heaters capacities, High speed cabling (SRE - A supplied as accessory only)
- (F) **Air flow and fan speed:** fancoil performances with cleaned filter.
- (G) **Sound level:** sound power measured following ISO 23741.
- (H) **Electrical data:** maximal motor electrical input.

CORRECTION COEFFICIENT FOR THE DIFFERENT AVAILABLE SPEEDS, 2 PIPE INSTALLATION

| MODEL | Speed | FCC 10 | FCC 20 | FCC 30 | FCC 40 | FCC 50 | FCC 60 | FCC 70 |
|---------------------------|-------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sensible cooling capacity | 1 | 0,86 ^{min} | 0,71 ^{min} | 0,76 ^{min} | 0,71 ^{min} | 0,65 ^{min} | 0,74 ^{min} | 0,76 ^{min} |
| | 2 | 0,94 ^{med} | 0,89 ^{med} | 0,94 ^{med} | 0,91 ^{med} | 0,85 ^{med} | 0,87 ^{med} | 0,89 ^{med} |
| | 3 | 0,98 | 0,95 | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} |
| | 4 | 1,00 ^{max} | 1,00 ^{max} | - | - | - | - | - |
| Total cooling capacity | 1 | 0,87 ^{min} | 0,73 ^{min} | 0,78 ^{min} | 0,73 ^{min} | 0,68 ^{min} | 0,76 ^{min} | 0,78 ^{min} |
| | 2 | 0,95 ^{med} | 0,90 ^{med} | 0,94 ^{med} | 0,93 ^{med} | 0,86 ^{med} | 0,89 ^{med} | 0,90 ^{med} |
| | 3 | 0,98 | 0,96 | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} |
| | 4 | 1,00 ^{max} | 1,00 ^{max} | - | - | - | - | - |
| Heating capacity | 1 | 0,86 ^{min} | 0,72 ^{min} | 0,77 ^{min} | 0,72 ^{min} | 0,67 ^{min} | 0,75 ^{min} | 0,77 ^{min} |
| | 2 | 0,95 ^{med} | 0,90 ^{med} | 0,94 ^{med} | 0,92 ^{med} | 0,86 ^{med} | 0,88 ^{med} | 0,89 ^{med} |
| | 3 | 0,98 | 0,96 | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} |
| | 4 | 1,00 ^{max} | 1,00 ^{max} | - | - | - | - | - |
| Air Flow | 1 | 0,81 ^{min} | 0,63 ^{min} | 0,69 ^{min} | 0,63 ^{min} | 0,56 ^{min} | 0,69 ^{min} | 0,70 ^{min} |
| | 2 | 0,93 ^{med} | 0,85 ^{med} | 0,91 ^{med} | 0,89 ^{med} | 0,80 ^{med} | 0,84 ^{med} | 0,85 ^{med} |
| | 3 | 0,97 | 0,94 | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} |
| | 4 | 1,00 ^{max} | 1,00 ^{max} | - | - | - | - | - |

The curves indicated with min, med, max concern the 3 standard speeds set at the factory.

NOTE: The symbol (-) means that for FCC 30, 40, 50, 60, 70 models only 3 fan speeds are available. For FCC 10 and FCC 20 models, upon customer request other 3 speeds among the 4 available speeds can be connected.

GENERAL TECHNICAL DATA, 4 PIPE INSTALLATION UNIT

| MODEL | | FCC 10 | FCC 20 | FCC 30 | FCC 40 | FCC 50 | FCC 60 | FCC 70 | |
|-------|---------------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|
| A | Sensible cooling capacity | Frig/h | 2.677 | 4.598 | 6.079 | 6.914 | 9.107 | 17.404 | 32.580 |
| | | W | 3.105 | 5.333 | 7.051 | 8.020 | 10.564 | 20.189 | 37.793 |
| A | Total cooling capacity | Frig/h | 3.107 | 5.473 | 7.143 | 8.229 | 10.568 | 21.542 | 39.278 |
| | | W | 3.604 | 6.348 | 8.286 | 9.545 | 12.258 | 24.989 | 45.563 |
| B | Heating capacity | Kcal/h | 3.607 | 6.031 | 7.890 | 9.086 | 12.057 | 33.475 | 60.514 |
| | | W | 4.184 | 6.996 | 9.152 | 10.540 | 13.986 | 38.831 | 70.196 |
| A | Water flow in cooling | l/h | 621 | 1.095 | 1.429 | 1.646 | 2.114 | 4.308 | 7.856 |
| | | l/s | 0,173 | 0,304 | 0,397 | 0,457 | 0,587 | 1,197 | 2,182 |
| B | Water flow in heating | l/h | 361 | 603 | 789 | 909 | 1.206 | 3.348 | 6.051 |
| | | l/s | 0,100 | 0,168 | 0,219 | 0,252 | 0,335 | 0,930 | 1,681 |
| A | Water pressure drops in cooling | m.C.A. | 1,60 | 2,40 | 2,80 | 2,50 | 3,10 | 2,70 | 3,2 |
| | | KPa | 16 | 24 | 28 | 25 | 31 | 27 | 32 |
| B | Water pressure drops in heating | m.C.A. | 2,7 | 2,3 | 3,6 | 2,1 | 3,4 | 3,3 | 3,6 |
| | | KPa | 27 | 23 | 36 | 21 | 34 | 33 | 36 |
| C | Heating capacity | Kcal/h | 2.204 | 3.686 | 4.822 | 5.553 | 7.368 | 20.457 | 36.981 |
| | | W | 2.557 | 4.275 | 5.593 | 6.441 | 8.547 | 23.730 | 42.898 |
| C | Water flow | l/h | 441 | 737 | 964 | 1.111 | 1.474 | 4.091 | 7.396 |
| | | l/s | 0,122 | 0,205 | 0,268 | 0,308 | 0,409 | 1,136 | 2,054 |
| C | Water pressure drops in heating | m.C.A. | 4,5 | 3,8 | 6,0 | 3,5 | 5,7 | 5,5 | 6,0 |
| | | KPa | 45 | 38 | 60 | 35 | 57 | 55 | 60 |
| E | Air flow | m ³ /h | 795 | 1.352 | 1.853 | 2.024 | 2.852 | 4.444 | 8788 |
| | | m ³ /s | 0,221 | 0,376 | 0,515 | 0,562 | 0,792 | 1,234 | 2,441 |
| | Fan speed | g/min | 1.365 | 1.365 | 1.204 | 1.212 | 1.385 | 809 | 827 |
| F | Sound level | dB(A) | 68 | 69 | 70 | 70 | 73 | 78 | 81 |
| G | Motor electrical power | W | 162 | 218 | 322 | 340 | 582 | 1.320 | 2.600 |
| | | A | 0,74 | 1,00 | 1,47 | 1,55 | 2,65 | 6,01 | 12,05 |

Feeding voltage 230V single-phase 50 Hz

Eurovent certified performances – above mentioned technical data are calculate at the following operating conditions:

- Maximum fan speed
 - Standard unit without ducts (fancoil operating without external back pressure)
 - (A) **Cooling:** Entering water temperature 7°C; leaving water temperature 12°C; entering air temperature 27°C w.b. 19°C d.b.
 - (B) **Heating:** Entering water temperature 70°C; leaving water temperature 60°C; entering air temperature 20°C.
 - (C) **Heating :** Entering water temperature 50°C ; leaving water temperature 45°C ; entering air room temperature 20°C.
 - (E) **Air flow and fan speed:** Fancoil performances with cleaned filter.
 - (F) **Sound level:** Sound power measured following ISO 23741.
 - (G) **Electrical data:** Maximal motor electrical input (at the 6th speed).
- NOTE:** electric heater accessory is not available for 4 pipe installation.

CORRECTION COEFFICIENT FOR THE DIFFERENT AVAILABLE SPEEDS, 4 PIPE INSTALLATION

| MODEL | Speed | FCC 10 | FCC 20 | FCC 30 | FCC 40 | FCC 50 | FCC 60 | FCC 70 |
|---------------------------|-------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sensible cooling capacity | 1 | 0,86 ^{min} | 0,71 ^{min} | 0,76 ^{min} | 0,71 ^{min} | 0,65 ^{min} | 0,74 ^{min} | 0,76 ^{min} |
| | 2 | 0,94 ^{med} | 0,89 ^{med} | 0,94 ^{med} | 0,91 ^{med} | 0,85 ^{med} | 0,87 ^{med} | 0,89 ^{med} |
| | 3 | 0,98 | 0,95 | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} |
| | 4 | 1,00 ^{max} | 1,00 ^{max} | - | - | - | - | - |
| Total cooling capacity | 1 | 0,87 ^{min} | 0,73 ^{min} | 0,78 ^{min} | 0,73 ^{min} | 0,68 ^{min} | 0,76 ^{min} | 0,78 ^{min} |
| | 2 | 0,95 ^{med} | 0,90 ^{med} | 0,94 ^{med} | 0,93 ^{med} | 0,86 ^{med} | 0,89 ^{med} | 0,90 ^{med} |
| | 3 | 0,98 | 0,96 | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} |
| | 4 | 1,00 ^{max} | 1,00 ^{max} | - | - | - | - | - |
| Heating capacity | 1 | 0,86 ^{min} | 0,72 ^{min} | 0,77 ^{min} | 0,72 ^{min} | 0,67 ^{min} | 0,75 ^{min} | 0,77 ^{min} |
| | 2 | 0,95 ^{med} | 0,90 ^{med} | 0,94 ^{med} | 0,92 ^{med} | 0,86 ^{med} | 0,88 ^{med} | 0,89 ^{med} |
| | 3 | 0,98 | 0,96 | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} |
| | 4 | 1,00 ^{max} | 1,00 ^{max} | - | - | - | - | - |
| Air Flow | 1 | 0,81 ^{min} | 0,63 ^{min} | 0,69 ^{min} | 0,63 ^{min} | 0,56 ^{min} | 0,69 ^{min} | 0,70 ^{min} |
| | 2 | 0,93 ^{med} | 0,85 ^{med} | 0,91 ^{med} | 0,89 ^{med} | 0,80 ^{med} | 0,84 ^{med} | 0,85 ^{med} |
| | 3 | 0,97 | 0,94 | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} | 1,00 ^{max} |
| | 4 | 1,00 ^{max} | 1,00 ^{max} | - | - | - | - | - |

The curves indicated with min, med, max concern the 3 standard speeds set at the factory.

NOTE: The symbol (-) means that for FCC 30, 40, 50, 60, 70 models only 3 fan speeds are available. For FCC 10 and FCC 20 models, upon customer request other 3 speeds among the 4 available speeds can be connected.

WORKING LIMITS

| | |
|------------------------------------|--------|
| Maximal entering water temperature | 70 °C |
| Minimal entering water temperature | + 4 °C |
| Maximal working pressure | 8 bar |

| | |
|------------------------------|--------|
| Maximal room air temperature | 40 °C |
| Minimal room air temperature | + 4 °C |

Water flow and water pressure drops limit, 3R coil (models FCC 10 , 20 , 30 , 40 , 50) and 4R coil (modelli FCC 60 , 70)

(Data concern medium water temperature of 9,5°C)

| | | MODEL | | | | | | |
|--------------------|-----|--------|--------|--------|--------|--------|--------|--------|
| | | FCC 10 | FCC 20 | FCC 30 | FCC 40 | FCC 50 | FCC 60 | FCC 70 |
| Minimal water flow | l/h | 175 | 225 | 275 | 325 | 375 | 825 | 1.400 |
| | KPa | 1,3 | 1,1 | 1,0 | 1,0 | 1,0 | 1,0 | 1,0 |
| Maximal water flow | l/h | 1.300 | 1.850 | 2.275 | 2.700 | 3.150 | 6.900 | 11.575 |
| | KPa | 70,8 | 71,9 | 70,0 | 69,9 | 70,1 | 70,4 | 70,3 |

Water flow and water pressure drops limit, 1R coil (models FCC 10 , 20 , 30 , 40 , 50) and 2R coil (modelli FCC 60 , 70)

(Data concern medium water temperature of 65°C)

| | | MODEL | | | | | | |
|--------------------|-----|--------|--------|--------|--------|--------|--------|--------|
| | | FCC 10 | FCC 20 | FCC 30 | FCC 40 | FCC 50 | FCC 60 | FCC 70 |
| Minimal water flow | l/h | 75 | 125 | 150 | 200 | 225 | 600 | 1.025 |
| | KPa | 1,2 | 1,0 | 1,3 | 1,0 | 1,2 | 1,1 | 1,0 |
| Maximal water flow | l/h | 575 | 1.050 | 1.100 | 1.650 | 1.725 | 4.900 | 8.450 |
| | KPa | 68,5 | 69,7 | 70,0 | 69,2 | 69,6 | 70,7 | 70,2 |

3 Way valve

Using of 2 or 3 way valves is compulsory when the unit is used for cooling to avoid condensate in the external structure (bearing structure and cabinet). As alternative install a regulating system to stop coil water entering when the fan is off.

Maximal fan static pressure

When the unit is connected with ducts fan air flow is reduced due to the ducting pressure drops. With very high pressure drops fancoil air flow becomes too low and electric motor which is connected to the fan can be damaged. For this reason recommended are static pressures lower than the maximal limit static pressures indicated in the schedule. NOTE: when the fancoil is operating with the maximal operating indicated static pressure value, air flow is half in comparison with the unit without ducts at the same working speed. Definitely the static pressure limit value corresponds to the back pressure able to halve fancoil air flow (as a consequence the fancoil unit performances like heating & cooling capacity, will be reduced of about 50%).

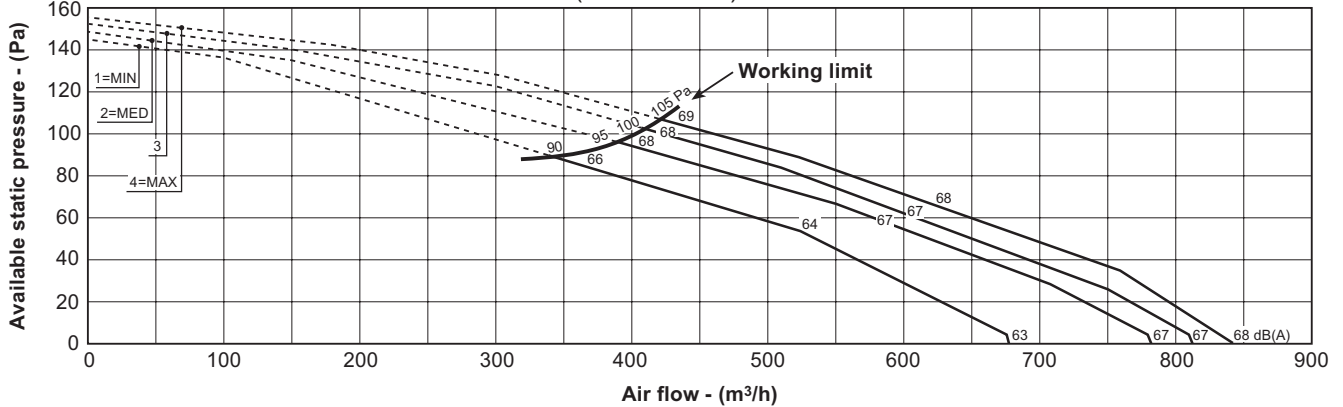
| | | Speed | MODEL | | | | | | |
|---------------------|----|-------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | | FCC 10 | FCC 20 | FCC 30 | FCC 40 | FCC 50 | FCC 60 | FCC 70 |
| 2 pipe installation | Pa | 1 | 90 ^{min} | 80 ^{min} | 115 ^{min} | 105 ^{min} | 135 ^{min} | 220 ^{min} | 220 ^{min} |
| | Pa | 2 | 95 ^{med} | 95 ^{med} | 130 ^{med} | 130 ^{med} | 180 ^{med} | 240 ^{med} | 240 ^{med} |
| | Pa | 3 | 100 | 100 | 135 ^{max} | 135 ^{max} | 205 ^{max} | 260 ^{max} | 260 ^{max} |
| | Pa | 4 | 105 ^{max} | 105 ^{max} | - | - | - | - | - |
| 4 pipe installation | Pa | 1 | 75 ^{min} | 70 ^{min} | 95 ^{min} | 90 ^{min} | 110 ^{min} | 180 ^{min} | 180 ^{min} |
| | Pa | 2 | 85 ^{med} | 80 ^{med} | 115 ^{med} | 115 ^{med} | 155 ^{med} | 210 ^{med} | 210 ^{med} |
| | Pa | 3 | 90 | 85 | 120 ^{max} | 120 ^{max} | 180 ^{max} | 220 ^{max} | 220 ^{max} |
| | Pa | 4 | 95 ^{max} | 90 ^{max} | - | - | - | - | - |

The curves indicated with min, med, max concern the 3 standard speeds set at the factory.

NOTE: The symbol (-) means that for FCC 30, 40, 50, 60, 70 models only 3 fan speeds are available. For FCC 10 and FCC 20 models, upon customer request other 3 speeds among the 4 available speeds can be connected.

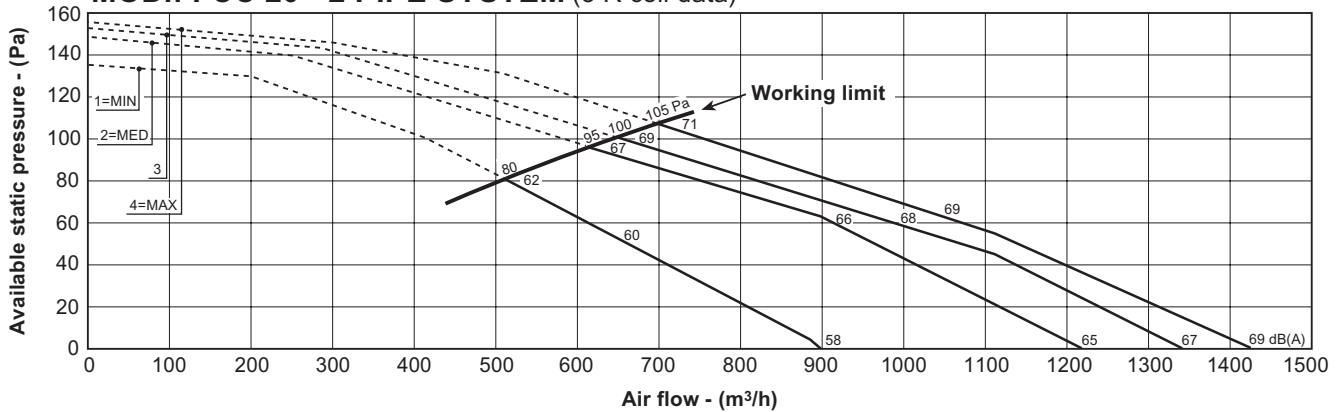
AERAILIC PERFORMANCES

MOD.: FCC 10 - 2 PIPE SYSTEM (3 R coil data)



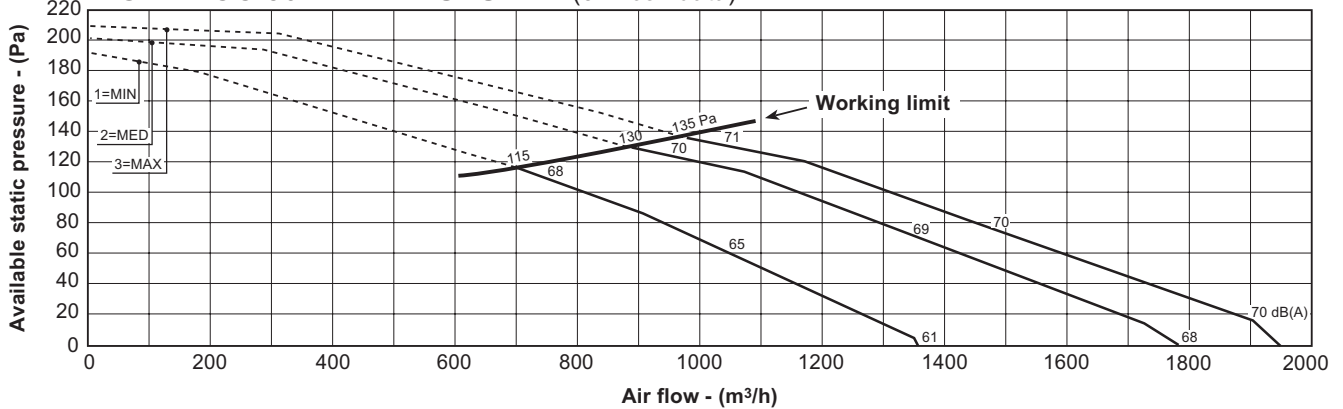
The curves indicated with MIN - MED - MAX concern the 3 standard speeds set at the factory. Upon customer request other 3 speeds among the 6 available speeds can be connected.

MOD.: FCC 20 - 2 PIPE SYSTEM (3 R coil data)

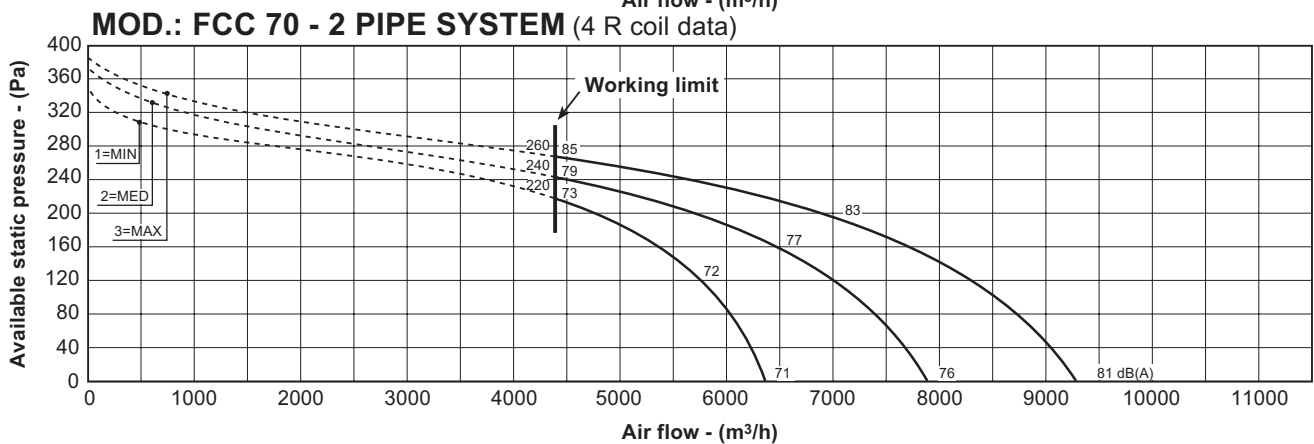
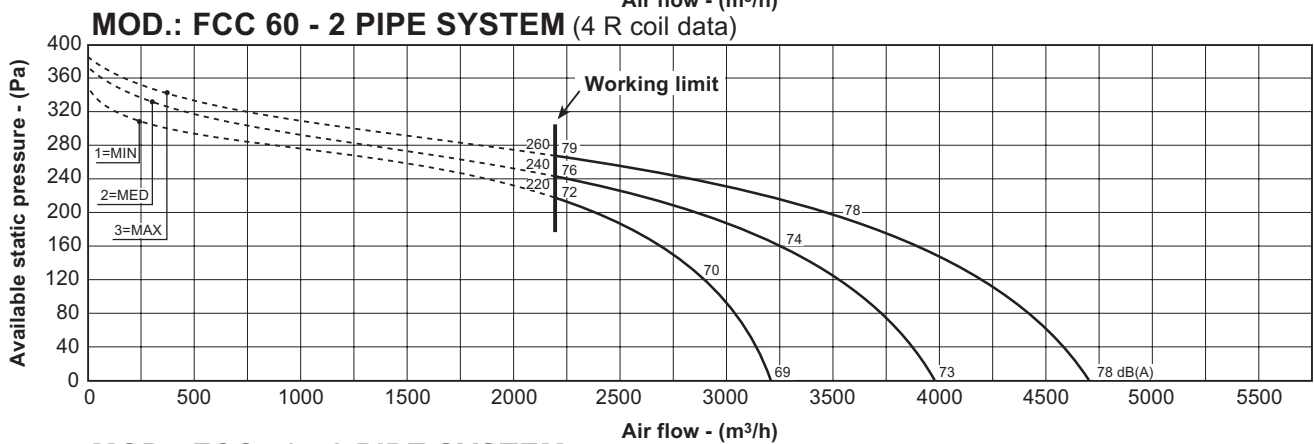
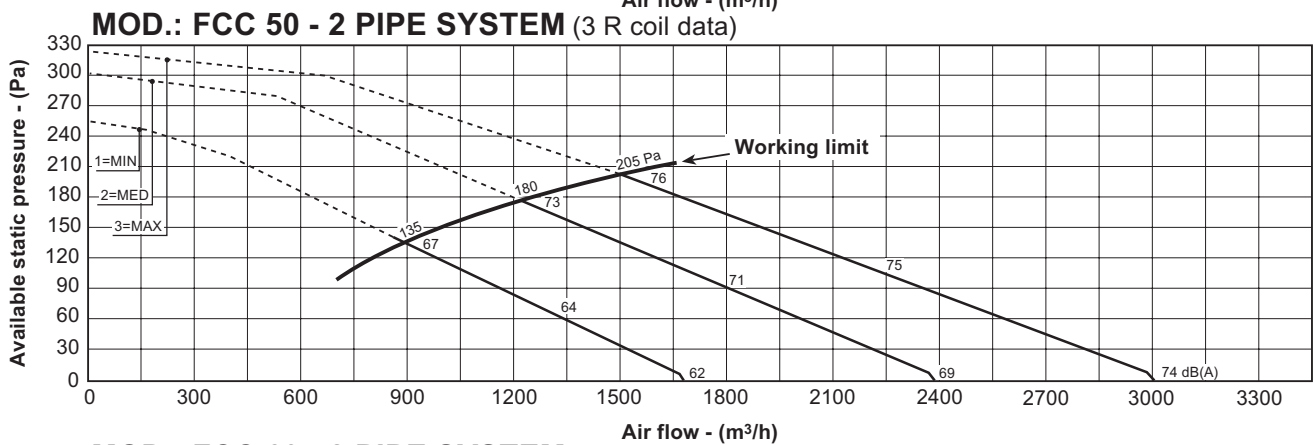
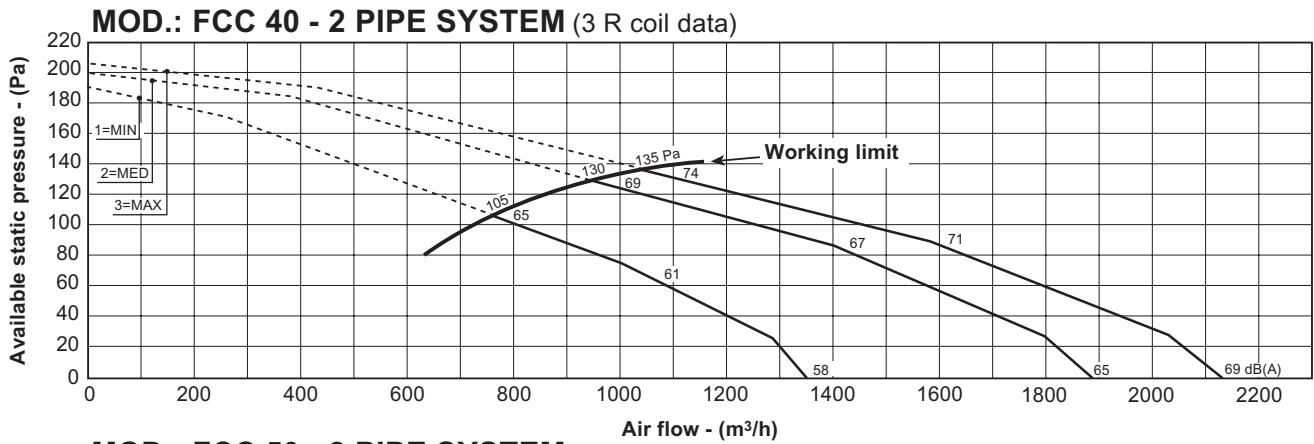


The curves indicated with MIN - MED - MAX concern the 3 standard speeds set at the factory. Upon customer request other 3 speeds among the 6 available speeds can be connected.

MOD.: FCC 30 - 2 PIPE SYSTEM (3 R coil data)

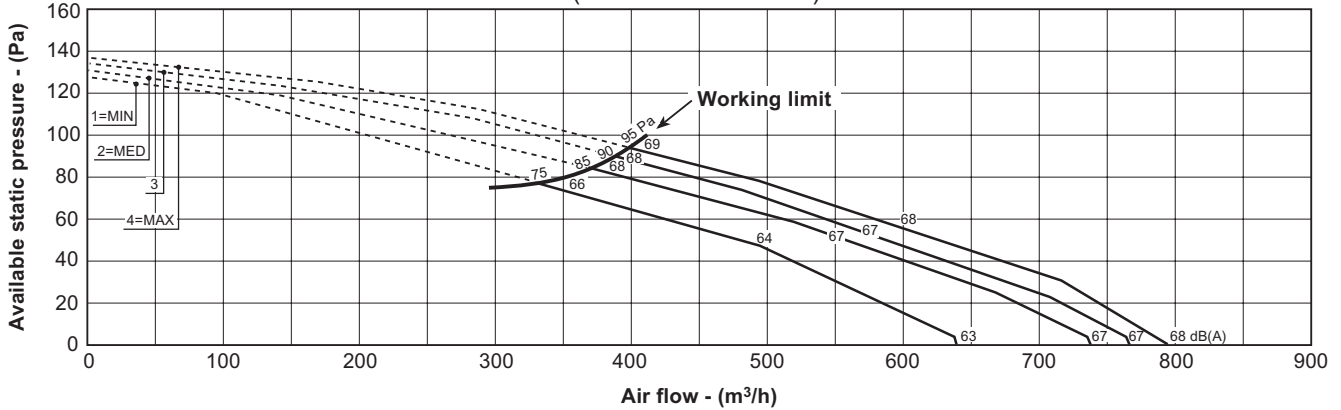


AERAUIC PERFORMANCES



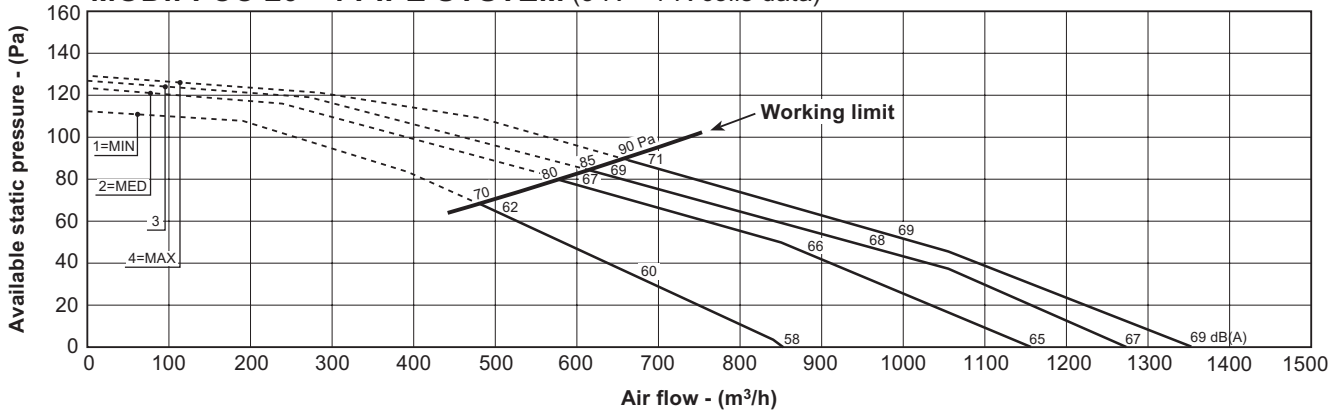
AERAUIC PERFORMANCES

MOD.: FCC 10 - 4 PIPE SYSTEM (3 R + 1 R coils data)



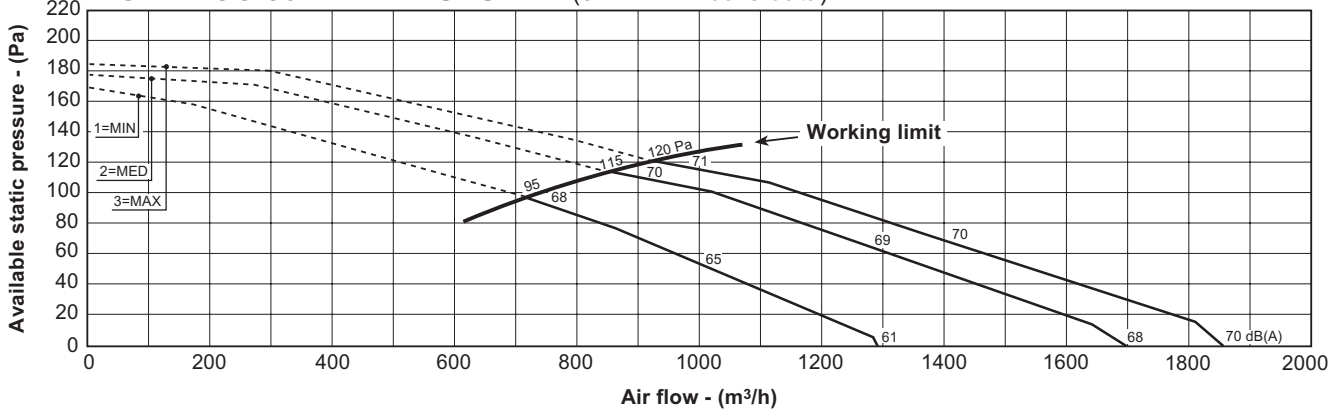
The curves indicated with MIN - MED - MAX concern the 3 standard speeds set at the factory. Upon customer request other 3 speeds among the 6 available speeds can be connected.

MOD.: FCC 20 - 4 PIPE SYSTEM (3 R + 1 R coils data)

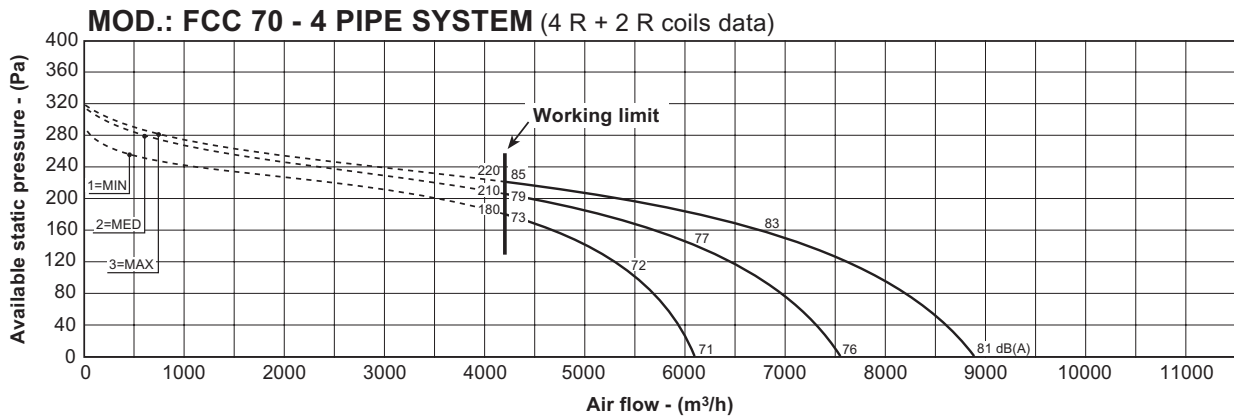
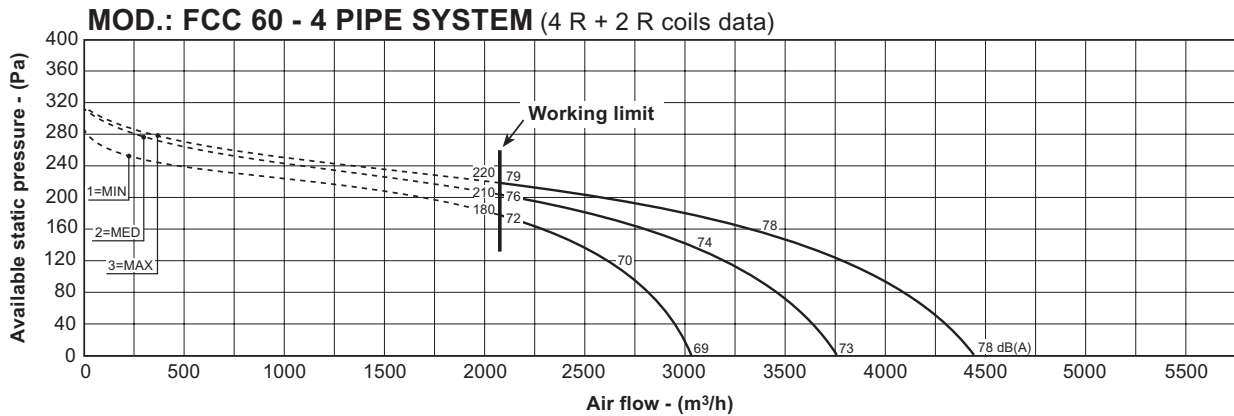
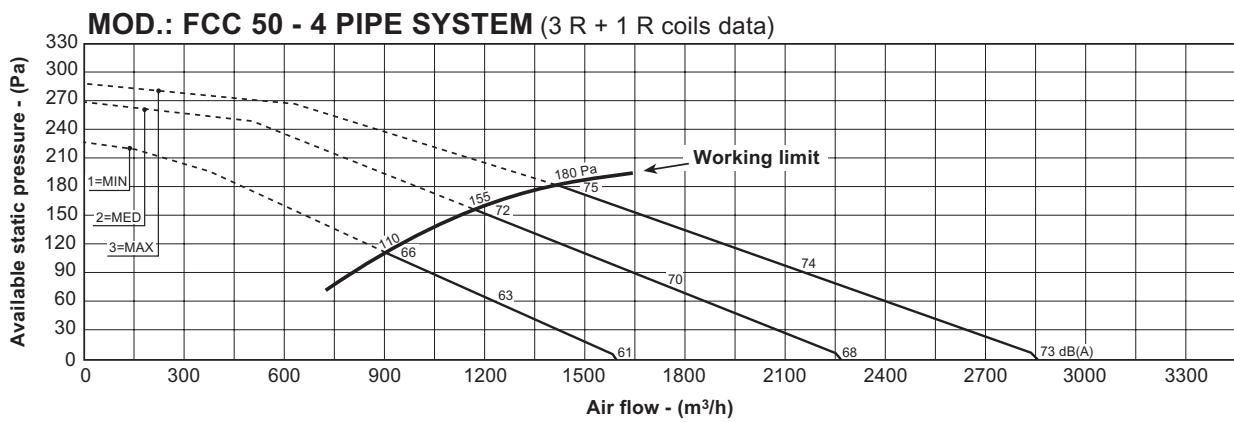
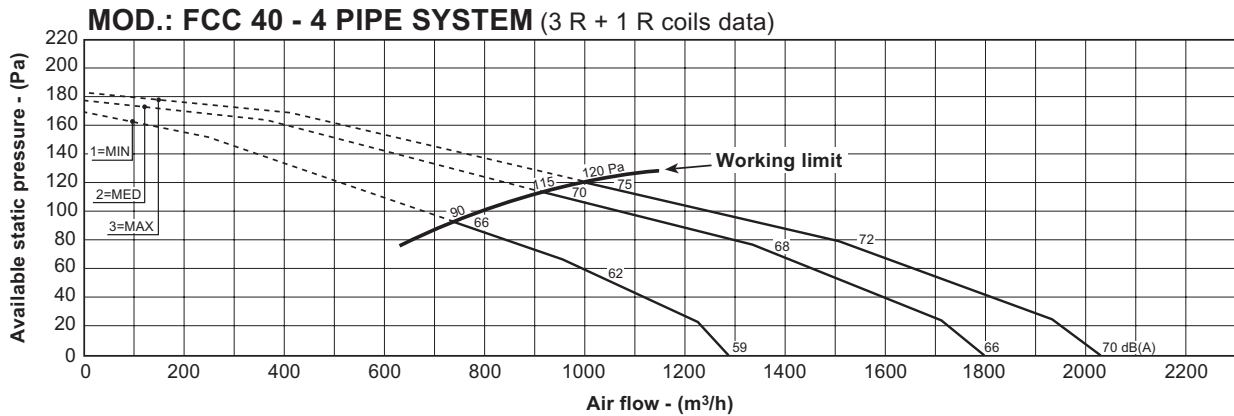


The curves indicated with MIN - MED - MAX concern the 3 standard speeds set at the factory. Upon customer request other 3 speeds among the 6 available speeds can be connected.

MOD.: FCC 30 - 4 PIPE SYSTEM (3 R + 1 R coils data)



AERAUIC PERFORMANCES



SOUND POWER SPECTRUM – 2 PIPE INSTALLATION

| Model | Speed | Standard electrical wiring (*) | Frequency spectrum (ref. octave band) (Hz) | | | | | | Total sound power dB(A) |
|-------|-------|--------------------------------|--|-----|-----|------|------|------|-------------------------|
| | | | 125 | 250 | 500 | 1000 | 2000 | 4000 | |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|------|
| FCC 10 | 1 | Min | 68,1 | 60,6 | 59,3 | 57,9 | 54,9 | 52,3 | 45,9 | 63 |
| | 2 | Med | 71,4 | 64,5 | 62,8 | 62 | 59 | 57 | 51,5 | 67 |
| | 3 | | 71,3 | 65,3 | 63,2 | 62,4 | 59,5 | 57,5 | 52,5 | 67,4 |
| | 4 | Max | 71,9 | 65,7 | 63,7 | 62,9 | 60,1 | 58,2 | 53,4 | 68 |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|------|
| FCC 20 | 1 | Min | 62,2 | 56,4 | 55,9 | 52,6 | 49,8 | 44,5 | 37 | 58 |
| | 2 | Med | 68,2 | 63 | 61,7 | 59,9 | 57,1 | 54,3 | 48,3 | 65 |
| | 3 | | 70 | 64,8 | 63,2 | 62 | 59,2 | 56,9 | 51,7 | 67,1 |
| | 4 | Max | 71,4 | 66,9 | 64,8 | 63,9 | 61,2 | 59,2 | 54,4 | 69 |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|----|
| FCC 30 | 1 | Min | 62 | 57,7 | 58,8 | 56 | 53,1 | 49,7 | 42,8 | 61 |
| | 2 | Med | 67,1 | 63,7 | 64,3 | 63,5 | 59,9 | 51,5 | 53,5 | 68 |
| | 3 | Max | 68 | 65,3 | 63,5 | 65,9 | 61,8 | 60,6 | 56,3 | 70 |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|----|
| FCC 40 | 1 | Min | 67,5 | 53,5 | 54,2 | 51,9 | 49,6 | 46 | 38,6 | 58 |
| | 2 | Med | 68,3 | 59,7 | 61 | 59,8 | 57,2 | 56,2 | 51,4 | 65 |
| | 3 | Max | 69,3 | 63,4 | 64,2 | 64,4 | 61,1 | 60,6 | 56,8 | 69 |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|----|
| FCC 50 | 1 | Min | 63,7 | 57,8 | 58,4 | 58 | 54,8 | 48,2 | 39,1 | 62 |
| | 2 | Med | 70,4 | 64,7 | 63,6 | 64,2 | 62,6 | 59,3 | 52,2 | 69 |
| | 3 | Max | 74,6 | 70,2 | 67,8 | 68,6 | 67,7 | 65,5 | 60,1 | 74 |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|----|
| FCC 60 | 1 | Min | 71,3 | 66,3 | 68,8 | 63,4 | 58,1 | 54,1 | 41,6 | 69 |
| | 2 | Med | 73,8 | 96 | 72,7 | 67,7 | 62,5 | 59 | 48 | 73 |
| | 3 | Max | 74,1 | 73,7 | 77,4 | 73,2 | 68,2 | 64,9 | 54,8 | 78 |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|----|
| FCC 70 | 1 | Min | 67,3 | 67,8 | 70,6 | 65,8 | 61 | 56,8 | 44,7 | 71 |
| | 2 | Med | 76 | 72,1 | 75,2 | 71,3 | 66,4 | 63 | 52 | 76 |
| | 3 | Max | 73,7 | 76,9 | 79,3 | 76,7 | 71,9 | 68,7 | 58,9 | 81 |

(*) Data indicated as min, med, max concern the 3 standard speeds set at the factory. For FCC 10 and FCC 20 models, upon customer request other 3 speeds among the 4 available speeds can be connected.

SOUND POWER SPECTRUM – 4 PIPE INSTALLATION

| Model | Speed | Standard electrical wiring (*) | Frequency spectrum (ref. octave band) (Hz) | | | | | | Total sound power dB(A) | |
|-------|-------|--------------------------------|--|-----|-----|------|------|------|-------------------------|------|
| | | | 125 | 250 | 500 | 1000 | 2000 | 4000 | | 8000 |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|------|
| FCC 10 | 1 | Min | 68,1 | 60,6 | 59,3 | 57,9 | 54,9 | 52,3 | 45,9 | 63 |
| | 2 | Med | 71,4 | 64,5 | 62,8 | 62 | 59 | 57 | 51,5 | 67 |
| | 3 | | 71,3 | 65,3 | 63,2 | 62,4 | 59,5 | 57,5 | 52,5 | 67,4 |
| | 4 | Max | 71,9 | 65,7 | 63,7 | 62,9 | 60,1 | 58,2 | 53,4 | 68 |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|------|
| FCC 20 | 1 | Min | 62,2 | 56,4 | 55,9 | 52,6 | 49,8 | 44,5 | 37 | 58 |
| | 2 | Med | 68,2 | 63 | 61,7 | 59,9 | 57,1 | 54,3 | 48,3 | 65 |
| | 3 | | 70 | 64,8 | 63,2 | 62 | 59,2 | 56,9 | 51,7 | 67,1 |
| | 4 | Max | 71,4 | 66,9 | 64,8 | 63,9 | 61,2 | 59,2 | 54,4 | 69 |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|----|
| FCC 30 | 1 | Min | 62 | 57,7 | 58,8 | 56 | 53,1 | 49,7 | 42,8 | 61 |
| | 2 | Med | 67,1 | 63,7 | 64,3 | 63,5 | 59,9 | 51,5 | 53,5 | 68 |
| | 3 | Max | 68 | 65,3 | 63,5 | 65,9 | 61,8 | 60,6 | 56,3 | 70 |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|----|
| FCC 40 | 1 | Min | 68,5 | 54,5 | 55,2 | 52,9 | 50,6 | 47 | 39,6 | 59 |
| | 2 | Med | 69,3 | 60,7 | 62 | 60,8 | 58,2 | 57,2 | 52,4 | 66 |
| | 3 | Max | 70,3 | 64,4 | 65,2 | 65,4 | 62,1 | 61,6 | 57,8 | 70 |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|----|
| FCC 50 | 1 | Min | 62,7 | 56,8 | 57,4 | 57 | 53,8 | 47,2 | 38,1 | 61 |
| | 2 | Med | 69,4 | 63,7 | 62,6 | 63,2 | 61,6 | 58,3 | 51,2 | 68 |
| | 3 | Max | 73,6 | 69,2 | 66,8 | 67,6 | 66,7 | 64,5 | 59,1 | 73 |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|----|
| FCC 60 | 1 | Min | 71,3 | 66,3 | 68,8 | 63,4 | 58,1 | 54,1 | 41,6 | 69 |
| | 2 | Med | 73,8 | 96 | 72,7 | 67,7 | 62,5 | 59 | 48 | 73 |
| | 3 | Max | 74,1 | 73,7 | 77,4 | 73,2 | 68,2 | 64,9 | 54,8 | 78 |

| | | | | | | | | | | |
|--------|---|-----|------|------|------|------|------|------|------|----|
| FCC 70 | 1 | Min | 67,3 | 67,8 | 70,6 | 65,8 | 61 | 56,8 | 44,7 | 71 |
| | 2 | Med | 76 | 72,1 | 75,2 | 71,3 | 66,4 | 63 | 52 | 76 |
| | 3 | Max | 73,7 | 76,9 | 79,3 | 76,7 | 71,9 | 68,7 | 58,9 | 81 |

(*) Data indicated as min, med, max concern the 3 standard speeds set at the factory. For FCC 10 and FCC 20 models, upon customer request other 3 speeds among the 4 available speeds can be connected.

AIR PRESSURE DROPS FOR THE MAIN ACCESSORY (Pa)

| Air flow (mc/h) | Accessory description | | | | | | | |
|--------------------|--|--|---|--|--|--|--|---|
| | Fresh air lower section (SSP) <small>WITH COMPLETELY OPEN FRESH AIR LOWER POSITION</small> | Fresh air lower section (SSP) <small>WITH COMPLETELY CLOSED FRESH AIR LOWER POSITION</small> | Straight intake / supply plenum (PAM) | 90° intake / supply plenum (RAM) | Intake / supply section with spigots (BAM) | Heating section with electric heater (SRE) | Standard air filter in medium stemming condition | Standard air filter in limit stemming condition <small>CLEANING IS NECESSARY</small> |

Model FCC 10

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|------|------|-------|
| 837 | 8,7 | 7,5 | 1,2 | 2,8 | 5,3 | 50,6 | 65,0 | 130,0 |
| 800 | 7,9 | 6,9 | 1,1 | 2,5 | 4,8 | 46,2 | 59,4 | 118,8 |
| 700 | 6,1 | 5,3 | 0,8 | 1,9 | 3,7 | 35,4 | 45,5 | 90,9 |
| 600 | 4,5 | 3,9 | 0,6 | 1,4 | 2,7 | 26,0 | 33,4 | 66,8 |
| 500 | 3,1 | 2,7 | 0,4 | 1,0 | 1,9 | 18,0 | 23,2 | 46,4 |
| 400 | 2,0 | 1,7 | 0,3 | 0,6 | 1,2 | 11,5 | 14,8 | 29,7 |
| 330 | 1,3 | 1,2 | - | 0,4 | 0,8 | 7,9 | 10,1 | 20,2 |

Model FCC 20

| | | | | | | | | |
|------|-----|-----|-----|-----|-----|------|------|-------|
| 1423 | 9,3 | 8,1 | 1,2 | 2,9 | 8,4 | 52,1 | 66,9 | 133,8 |
| 1400 | 9,0 | 7,8 | 1,2 | 2,8 | 8,1 | 50,4 | 64,8 | 129,6 |
| 1200 | 6,6 | 5,7 | 0,9 | 2,1 | 6,0 | 37,0 | 47,6 | 95,2 |
| 1000 | 4,6 | 4,0 | 0,6 | 1,4 | 4,1 | 25,7 | 33,0 | 66,1 |
| 800 | 2,9 | 2,5 | 0,4 | 0,9 | 2,7 | 16,5 | 21,2 | 42,3 |
| 600 | 1,6 | 1,4 | - | 0,5 | 1,5 | 9,3 | 11,9 | 23,8 |
| 400 | 0,7 | 0,6 | - | - | 0,7 | 4,1 | 5,3 | 10,6 |

Model FCC 30

| | | | | | | | | |
|------|------|------|-----|-----|------|------|------|-------|
| 1951 | 14,1 | 12,2 | 1,6 | 4,4 | 15,8 | 59,5 | 76,5 | 153,0 |
| 1800 | 12,0 | 10,4 | 1,4 | 3,8 | 13,5 | 50,7 | 65,1 | 130,3 |
| 1600 | 9,5 | 8,2 | 1,1 | 3,0 | 10,6 | 40,0 | 51,5 | 102,9 |
| 1400 | 7,2 | 6,3 | 0,8 | 2,3 | 8,2 | 30,6 | 39,4 | 78,8 |
| 1200 | 5,3 | 4,6 | 0,6 | 1,7 | 6,0 | 22,5 | 28,9 | 57,9 |
| 1000 | 3,7 | 3,2 | 0,4 | 1,2 | 4,2 | 15,6 | 20,1 | 40,2 |
| 800 | 2,4 | 2,1 | 0,3 | 0,7 | 2,7 | 10,0 | 12,9 | 25,7 |
| 650 | 1,6 | 1,4 | - | 0,5 | 1,8 | 6,6 | 8,5 | 17,0 |

Model FCC 40

| | | | | | | | | |
|------|------|-----|-----|-----|------|------|------|-------|
| 2131 | 10,9 | 9,5 | 1,3 | 3,4 | 10,7 | 45,6 | 58,6 | 117,2 |
| 2000 | 9,6 | 8,3 | 1,2 | 3,0 | 9,4 | 40,2 | 51,6 | 103,3 |
| 1800 | 7,8 | 6,8 | 0,9 | 2,5 | 7,6 | 32,5 | 41,8 | 83,7 |
| 1600 | 6,1 | 5,3 | 0,7 | 1,9 | 6,0 | 25,7 | 33,0 | 66,1 |
| 1400 | 4,7 | 4,1 | 0,6 | 1,5 | 4,6 | 19,7 | 25,3 | 50,6 |
| 1200 | 3,5 | 3,0 | 0,4 | 1,1 | 3,4 | 14,5 | 18,6 | 37,2 |
| 1000 | 2,4 | 2,1 | 0,3 | 0,8 | 2,4 | 10,0 | 12,9 | 25,8 |
| 800 | 1,5 | 1,3 | - | 0,5 | 1,5 | 6,4 | 8,3 | 16,5 |
| 650 | 1,0 | 0,9 | - | 0,3 | 1,0 | 4,2 | 5,5 | 10,9 |

Model FCC 50

| | | | | | | | | |
|------|------|------|-----|-----|------|------|------|-------|
| 3002 | 15,4 | 13,4 | 1,6 | 4,4 | 21,8 | 57,0 | 73,2 | 146,5 |
| 2600 | 11,6 | 10,1 | 1,2 | 3,3 | 16,4 | 42,7 | 54,9 | 109,9 |
| 2200 | 8,3 | 7,2 | 0,9 | 2,4 | 11,7 | 30,6 | 39,3 | 78,7 |
| 1800 | 5,5 | 4,8 | 0,6 | 1,6 | 7,8 | 20,5 | 26,3 | 52,7 |
| 1400 | 3,4 | 2,9 | 0,3 | 1,0 | 4,7 | 12,4 | 15,9 | 31,9 |
| 1000 | 1,7 | 1,5 | - | 0,5 | 2,4 | 6,3 | 8,1 | 16,3 |
| 800 | 1,1 | 1,0 | - | 0,3 | 1,5 | 4,0 | 5,2 | 10,4 |

Model FCC 60

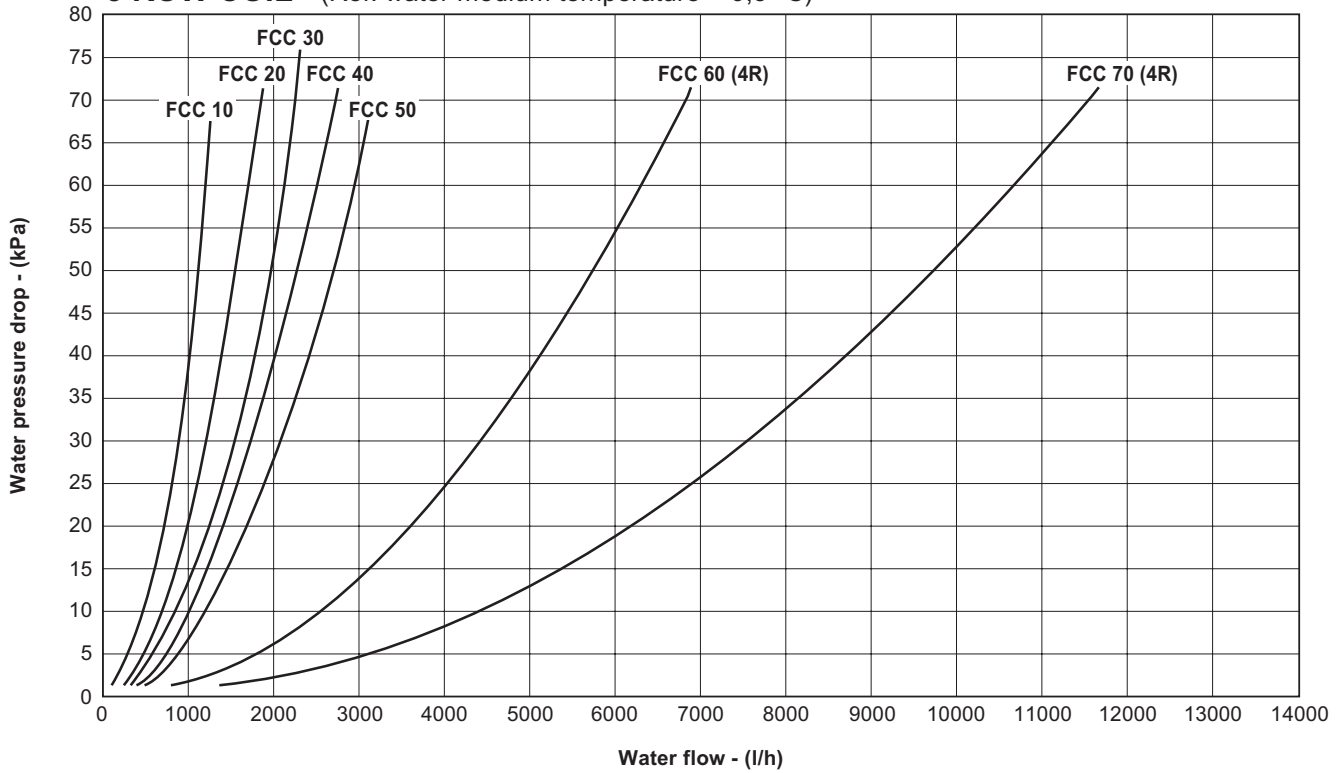
| | | | | | | | | |
|------|-----|-----|-----|-----|------|------|------|------|
| 4678 | 8,5 | 7,4 | 0,9 | 2,5 | 13,7 | 27,6 | 35,5 | 70,9 |
| 4500 | 7,9 | 6,8 | 0,9 | 2,3 | 12,7 | 25,5 | 32,8 | 65,6 |
| 4000 | 6,2 | 5,4 | 0,7 | 1,8 | 10,0 | 20,2 | 25,9 | 51,8 |
| 3500 | 4,8 | 4,1 | 0,5 | 1,4 | 7,7 | 15,4 | 19,8 | 39,7 |
| 3000 | 3,5 | 3,0 | 0,4 | 1,0 | 5,6 | 11,3 | 14,6 | 29,2 |
| 2500 | 2,4 | 2,1 | 0,3 | 0,7 | 3,9 | 7,9 | 10,1 | 20,2 |
| 2000 | 1,6 | 1,4 | - | 0,5 | 2,5 | 5,0 | 6,5 | 13,0 |
| 1600 | 1,0 | 0,9 | - | 0,3 | 1,6 | 3,2 | 4,1 | 8,3 |

Model FCC 70

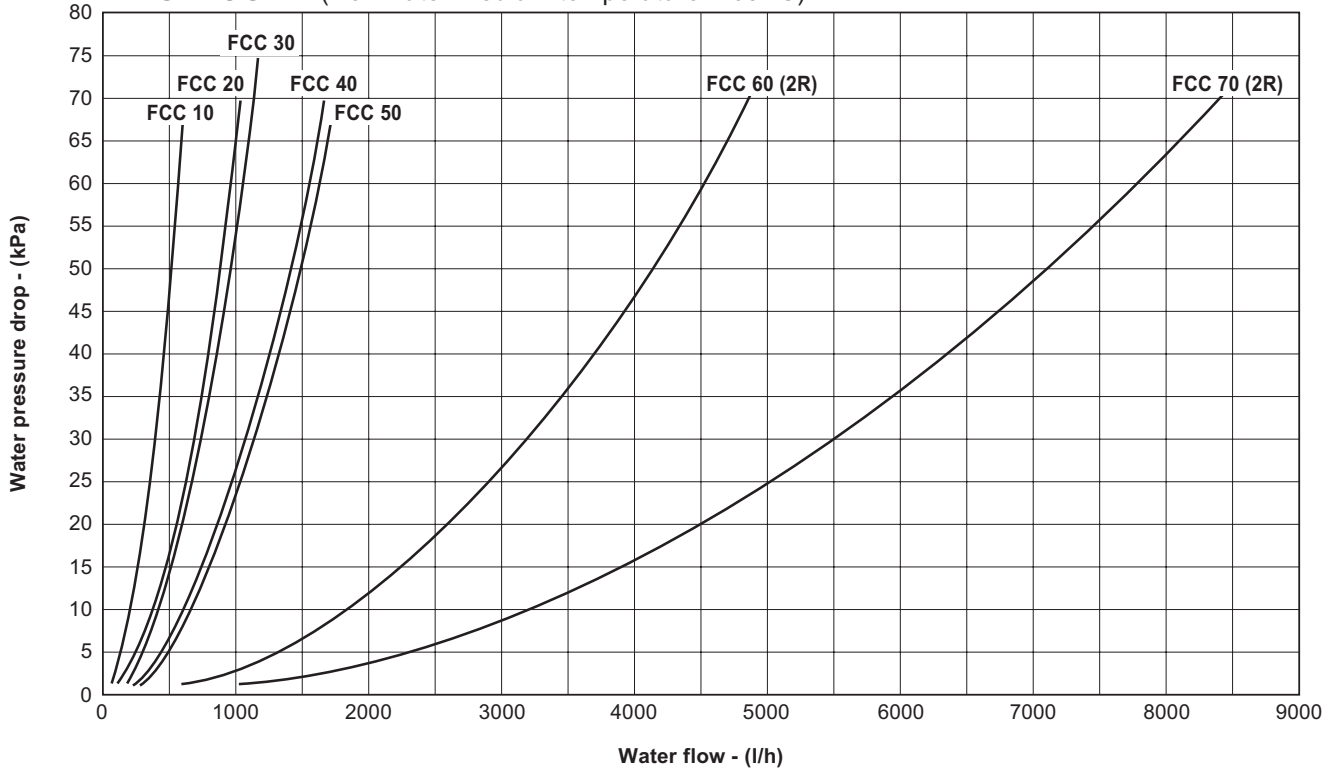
| | | | | | | | | |
|------|------|------|-----|-----|------|------|------|-------|
| 9250 | 13,7 | 11,9 | 1,4 | 4,0 | 12,4 | 43,8 | 56,3 | 112,7 |
| 9000 | 12,9 | 11,2 | 1,3 | 3,8 | 11,7 | 41,5 | 53,3 | 106,6 |
| 8200 | 10,7 | 9,3 | 1,1 | 3,1 | 9,7 | 34,4 | 44,3 | 88,5 |
| 7400 | 8,7 | 7,6 | 0,9 | 2,5 | 7,9 | 28,0 | 36,0 | 72,1 |
| 6600 | 6,9 | 6,0 | 0,7 | 2,0 | 6,3 | 22,3 | 28,7 | 57,4 |
| 5800 | 5,4 | 4,7 | 0,6 | 1,6 | 4,9 | 17,2 | 22,1 | 44,3 |
| 5000 | 4,0 | 3,5 | 0,4 | 1,2 | 3,6 | 12,8 | 16,5 | 32,9 |
| 4200 | 2,8 | 2,4 | 0,3 | 0,8 | 2,6 | 9,0 | 11,6 | 23,2 |
| 3400 | 1,8 | 1,6 | - | 0,5 | 1,7 | 5,9 | 7,6 | 15,2 |
| 3200 | 1,6 | 1,4 | - | 0,5 | 1,5 | 5,2 | 6,7 | 13,5 |

COILS WATER PRESSURE DROPS

3 ROW COIL (Ref. water medium temperature = 9,5 °C)



1 ROW COIL (Ref. water medium temperature = 65 °C)



**COOLING CAPACITY MODEL FCC 10 AT NOMINAL SPEED (MAXIMUM SPEED)
2 PIPE INSTALLATION (INDICATED VALUES CONCERN 3R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) Entering air temperature wet bulb (°C) | | | | | SENSIBLE COOLING CAPACITY (W) Entering air temperature dry bulb (°C) | | | | | |
|------------------------------------|--|--|------|------|------|------|---|------|------|------|------|------|
| | | 15 | 17 | 19 | 21 | 23 | 21 | 23 | 25 | 27 | 29 | 31 |
| 6,5 | 5/8 | 3586 | 4430 | 5273 | 6117 | 6961 | 2691 | 3062 | 3434 | 3805 | 4176 | 4547 |
| 7 | 5/9 | 3375 | 4219 | 5062 | 5906 | 6750 | 2598 | 2970 | 3341 | 3712 | 4083 | 4454 |
| 7,5 | 5/10 6/9 | 3164 | 4008 | 4852 | 5695 | 6539 | 2506 | 2877 | 3248 | 3619 | 3990 | 4362 |
| 8 | 5/11 6/10 | 2953 | 3797 | 4641 | 5484 | 6328 | 2413 | 2784 | 3155 | 3526 | 3898 | 4269 |
| 8,5 | 5/12 6/11 7/10 | 2742 | 3586 | 4430 | 5273 | 6117 | 2320 | 2691 | 3062 | 3434 | 3805 | 4176 |
| 9 | 6/12 7/11 | 2531 | 3375 | 4219 | 5062 | 5906 | 2227 | 2598 | 2970 | 3341 | 3712 | 4083 |
| 9,5 | 6/13 7/12 8/11 | 2320 | 3164 | 4008 | 4852 | 5695 | 2134 | 2506 | 2877 | 3248 | 3619 | 3990 |
| 10 | 7/13 8/12 | 2109 | 2953 | 3797 | 4641 | 5484 | 2042 | 2413 | 2784 | 3155 | 3526 | 3898 |
| 10,5 | 7/14 8/13 9/12 | - | 2742 | 3586 | 4430 | 5273 | 1949 | 2320 | 2691 | 3062 | 3434 | 3805 |
| 11 | 8/14 9/13 | - | 2531 | 3375 | 4219 | 5062 | 1856 | 2227 | 2598 | 2970 | 3341 | 3712 |
| 11,5 | 8/15 9/14 10/13 | - | 2320 | 3164 | 4008 | 4852 | 1763 | 2134 | 2506 | 2877 | 3248 | 3619 |
| 12 | 9/15 10/14 | - | 2109 | 2953 | 3797 | 4641 | 1670 | 2042 | 2413 | 2784 | 3155 | 3526 |
| 12,5 | 9/16 10/15 11/14 | - | 1898 | 2742 | 3586 | 4430 | 1578 | 1949 | 2320 | 2691 | 3062 | 3434 |
| 13 | 10/16 11/15 | - | 1687 | 2531 | 3375 | 4219 | 1485 | 1856 | 2227 | 2598 | 2970 | 3341 |
| 13,5 | 10/17 11/16 12/15 | - | 1477 | 2320 | 3164 | 4008 | 1392 | 1763 | 2134 | 2506 | 2877 | 3248 |
| 14 | 11/17 12/16 | - | - | 2109 | 2953 | 3797 | 1299 | 1670 | 2042 | 2413 | 2784 | 3155 |
| 14,5 | 11/18 12/17 13/16 | - | - | 1898 | 2742 | 3586 | 1206 | 1578 | 1949 | 2320 | 2691 | 3062 |
| 15 | 12/18 13/17 | - | - | 1687 | 2531 | 3375 | 1114 | 1485 | 1856 | 2227 | 2598 | 2970 |
| 15,5 | 12/19 13/18 | - | - | 1477 | 2320 | 3164 | 1021 | 1392 | 1763 | 2134 | 2506 | 2877 |
| 16 | 13/19 | - | - | 1266 | 2109 | 2953 | 928 | 1299 | 1670 | 2042 | 2413 | 2784 |
| 16,5 | 13/20 | - | - | 1055 | 1898 | 2742 | 835 | 1206 | 1578 | 1949 | 2320 | 2691 |

**COOLING CAPACITY MODEL FCC 10 AT NOMINAL SPEED (MAXIMUM SPEED)
4 PIPE INSTALLATION (INDICATED VALUES CONCERN 3R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) Entering air temperature wet bulb (°C) | | | | | SENSIBLE COOLING CAPACITY (W) Entering air temperature dry bulb (°C) | | | | | |
|------------------------------------|--|--|------|------|------|------|---|------|------|------|------|------|
| | | 15 | 17 | 19 | 21 | 23 | 21 | 23 | 25 | 27 | 29 | 31 |
| 6,5 | 5/8 | 3225 | 3984 | 4742 | 5501 | 6260 | 2573 | 2928 | 3283 | 3638 | 3993 | 4347 |
| 7 | 5/9 | 3035 | 3794 | 4553 | 5311 | 6070 | 2484 | 2839 | 3194 | 3549 | 3904 | 4259 |
| 7,5 | 5/10 6/9 | 2845 | 3604 | 4363 | 5122 | 5880 | 2396 | 2750 | 3105 | 3460 | 3815 | 4170 |
| 8 | 5/11 6/10 | 2656 | 3414 | 4173 | 4932 | 5691 | 2307 | 2662 | 3017 | 3371 | 3726 | 4081 |
| 8,5 | 5/12 6/11 7/10 | 2466 | 3225 | 3984 | 4742 | 5501 | 2218 | 2573 | 2928 | 3283 | 3638 | 3993 |
| 9 | 6/12 7/11 | 2276 | 3035 | 3794 | 4553 | 5311 | 2129 | 2484 | 2839 | 3194 | 3549 | 3904 |
| 9,5 | 6/13 7/12 8/11 | 2087 | 2845 | 3604 | 4363 | 5122 | 2041 | 2396 | 2750 | 3105 | 3460 | 3815 |
| 10 | 7/13 8/12 | 1897 | 2656 | 3414 | 4173 | 4932 | 1952 | 2307 | 2662 | 3017 | 3371 | 3726 |
| 10,5 | 7/14 8/13 9/12 | - | 2466 | 3225 | 3984 | 4742 | 1863 | 2218 | 2573 | 2928 | 3283 | 3638 |
| 11 | 8/14 9/13 | - | 2276 | 3035 | 3794 | 4553 | 1774 | 2129 | 2484 | 2839 | 3194 | 3549 |
| 11,5 | 8/15 9/14 10/13 | - | 2087 | 2845 | 3604 | 4363 | 1686 | 2041 | 2396 | 2750 | 3105 | 3460 |
| 12 | 9/15 10/14 | - | 1897 | 2656 | 3414 | 4173 | 1597 | 1952 | 2307 | 2662 | 3017 | 3371 |
| 12,5 | 9/16 10/15 11/14 | - | 1707 | 2466 | 3225 | 3984 | 1508 | 1863 | 2218 | 2573 | 2928 | 3283 |
| 13 | 10/16 11/15 | - | 1518 | 2276 | 3035 | 3794 | 1420 | 1774 | 2129 | 2484 | 2839 | 3194 |
| 13,5 | 10/17 11/16 12/15 | - | 1328 | 2087 | 2845 | 3604 | 1331 | 1686 | 2041 | 2396 | 2750 | 3105 |
| 14 | 11/17 12/16 | - | - | 1897 | 2656 | 3414 | 1242 | 1597 | 1952 | 2307 | 2662 | 3017 |
| 14,5 | 11/18 12/17 13/16 | - | - | 1707 | 2466 | 3225 | 1153 | 1508 | 1863 | 2218 | 2573 | 2928 |
| 15 | 12/18 13/17 | - | - | 1518 | 2276 | 3035 | 1065 | 1420 | 1774 | 2129 | 2484 | 2839 |
| 15,5 | 12/19 13/18 | - | - | 1328 | 2087 | 2845 | 976 | 1331 | 1686 | 2041 | 2396 | 2750 |
| 16 | 13/19 | - | - | 1138 | 1897 | 2656 | 887 | 1242 | 1597 | 1952 | 2307 | 2662 |
| 16,5 | 13/20 | - | - | 948 | 1707 | 2466 | 799 | 1153 | 1508 | 1863 | 2218 | 2573 |

NOTE: Marked cooling capacities concern the catalogue nominal values (water 9/12°C – air 27°C db;19°C wb).
NOTE: Values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.
If sensible cooling capacity is higher than total cooling capacity consider total cooling capacity = sensible capacity, without dehumidification condition.

HEATING CAPACITY MODEL **FCC 10** AT NOMINAL SPEEDS (MAXIMUM SPEED)

| Water entering temperature (°C) | Δ water temperature (°C) | HEATING CAPACITY, 2 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 3R COIL | | | | | HEATING CAPACITY, 4 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 1R COIL | | | | |
|---------------------------------|--------------------------|---|------|------|------|------|---|------|------|------|------|
| | | Entering air temperature (°C) | | | | | Entering air temperature (°C) | | | | |
| | | 16 | 18 | 20 | 22 | 24 | 16 | 18 | 20 | 22 | 24 |
| 70 | 2,5 | 9750 | 9380 | 9011 | 8641 | 8271 | 4905 | 4719 | 4533 | 4347 | 4161 |
| | 5 | 9519 | 9149 | 8780 | 8410 | 8040 | 4788 | 4603 | 4417 | 4231 | 4045 |
| | 7,5 | 9288 | 8918 | 8549 | 8179 | 7809 | 4672 | 4486 | 4300 | 4114 | 3928 |
| | 10 | 9057 | 8687 | 8317 | 7948 | 7578 | 4556 | 4370 | 4184 | 3998 | 3812 |
| | 12,5 | 8826 | 8456 | 8086 | 7717 | 7347 | 4440 | 4254 | 4068 | 3882 | 3696 |
| 65 | 2,5 | 8826 | 8456 | 8086 | 7717 | 7347 | 4440 | 4254 | 4068 | 3882 | 3696 |
| | 5 | 8595 | 8225 | 7855 | 7486 | 7116 | 4324 | 4138 | 3952 | 3766 | 3580 |
| | 7,5 | 8364 | 7994 | 7624 | 7255 | 6885 | 4207 | 4021 | 3835 | 3649 | 3464 |
| | 10 | 8133 | 7763 | 7393 | 7024 | 6654 | 4091 | 3905 | 3719 | 3533 | 3347 |
| 60 | 12,5 | 7902 | 7532 | 7162 | 6793 | 6423 | 3975 | 3789 | 3603 | 3417 | 3231 |
| | 2,5 | 7902 | 7532 | 7162 | 6793 | 6423 | 3975 | 3789 | 3603 | 3417 | 3231 |
| | 5 | 7671 | 7301 | 6931 | 6562 | 6192 | 3859 | 3673 | 3487 | 3301 | 3115 |
| | 7,5 | 7440 | 7070 | 6700 | 6331 | 5961 | 3742 | 3557 | 3371 | 3185 | 2999 |
| | 10 | 7208 | 6839 | 6469 | 6099 | 5730 | 3626 | 3440 | 3254 | 3068 | 2882 |
| 55 | 12,5 | 6977 | 6608 | 6238 | 5868 | 5499 | 3510 | 3324 | 3138 | 2952 | 2766 |
| | 2,5 | 6977 | 6608 | 6238 | 5868 | 5499 | 3510 | 3324 | 3138 | 2952 | 2766 |
| | 5 | 6746 | 6377 | 6007 | 5637 | 5268 | 3394 | 3208 | 3022 | 2836 | 2650 |
| | 7,5 | 6515 | 6146 | 5776 | 5406 | 5037 | 3278 | 3092 | 2906 | 2720 | 2534 |
| | 10 | 6284 | 5915 | 5545 | 5175 | 4806 | 3161 | 2975 | 2789 | 2603 | 2417 |
| 50 | 12,5 | 6053 | 5684 | 5314 | 4944 | 4575 | 3045 | 2859 | 2673 | 2487 | 2301 |
| | 2,5 | 6053 | 5684 | 5314 | 4944 | 4575 | 3045 | 2859 | 2673 | 2487 | 2301 |
| | 5 | 5822 | 5453 | 5083 | 4713 | 4344 | 2929 | 2743 | 2557 | 2371 | 2185 |
| | 7,5 | 5591 | 5222 | 4852 | 4482 | 4113 | 2813 | 2627 | 2441 | 2255 | 2069 |
| | 10 | 5360 | 4990 | 4621 | 4251 | 3881 | 2696 | 2510 | 2325 | 2139 | 1953 |
| 45 | 12,5 | 5129 | 4759 | 4390 | 4020 | 3650 | 2580 | 2394 | 2208 | 2022 | 1836 |
| | 2,5 | 5129 | 4759 | 4390 | 4020 | 3650 | 2580 | 2394 | 2208 | 2022 | 1836 |
| | 5 | 4898 | 4528 | 4159 | 3789 | 3419 | 2464 | 2278 | 2092 | 1906 | 1720 |
| | 7,5 | 4667 | 4297 | 3928 | 3558 | 3188 | 2348 | 2162 | 1976 | 1790 | 1604 |
| | 10 | 4436 | 4066 | 3697 | 3327 | 2957 | 2232 | 2046 | 1860 | 1674 | 1488 |
| 40 | 12,5 | 4205 | 3835 | 3466 | 3096 | 2726 | 2115 | 1929 | 1743 | 1557 | 1371 |
| | 2,5 | 4205 | 3835 | 3466 | 3096 | 2726 | 2115 | 1929 | 1743 | 1557 | 1371 |
| | 5 | 3974 | 3604 | 3235 | 2865 | 2495 | 1999 | 1813 | 1627 | 1441 | 1255 |
| | 7,5 | 3743 | 3373 | 3004 | 2634 | 2264 | 1883 | 1697 | 1511 | 1325 | 1139 |
| | 10 | 3512 | 3142 | 2772 | 2403 | 2033 | 1767 | 1581 | 1395 | 1209 | 1023 |
| | 12,5 | 3281 | 2911 | 2541 | 2172 | 1802 | 1650 | 1464 | 1278 | 1093 | 907 |

NOTE: Marked heating capacities for 4 pipe installation concern nominal values to the catalogue (water 70/60°C – air 20°C).
 NOTE: Marked heating capacities for 2 pipe installation concern values next to the catalogue nominal values (catalogue conditions: water 50°C – water flow as for cooling - air 20°C. schedule conditions: water 50° - ΔT water 7,5°C - Air 20°C).
 NOTE: values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.

**COOLING CAPACITY MODEL FCC 20 AT NOMINAL SPEED (MAXIMUM SPEED)
2 PIPE INSTALLATION (INDICATED VALUES CONCERN 3R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) | | | | | SENSIBLE COOLING CAPACITY (W) | | | | | |
|------------------------------------|--|--|------|------|-------|-------|--|------|------|------|------|------|
| | | Entering air temperature wet bulb (°C) | | | | | Entering air temperature dry bulb (°C) | | | | | |
| | | 15 | 17 | 19 | 21 | 23 | 21 | 23 | 25 | 27 | 29 | 31 |
| 6,5 | 5/8 | 6304 | 7788 | 9271 | 10754 | 12238 | 4672 | 5317 | 5961 | 6605 | 7250 | 7894 |
| 7 | 5/9 | 5933 | 7417 | 8900 | 10383 | 11867 | 4511 | 5155 | 5800 | 6444 | 7089 | 7733 |
| 7,5 | 5/10 6/9 | 5563 | 7046 | 8529 | 10013 | 11496 | 4350 | 4994 | 5639 | 6283 | 6928 | 7572 |
| 8 | 5/11 6/10 | 5192 | 6675 | 8158 | 9642 | 11125 | 4189 | 4833 | 5478 | 6122 | 6767 | 7411 |
| 8,5 | 5/12 6/11 7/10 | 4821 | 6304 | 7788 | 9271 | 10754 | 4028 | 4672 | 5317 | 5961 | 6605 | 7250 |
| 9 | 6/12 7/11 | 4450 | 5933 | 7417 | 8900 | 10383 | 3867 | 4511 | 5155 | 5800 | 6444 | 7089 |
| 9,5 | 6/13 7/12 8/11 | 4079 | 5563 | 7046 | 8529 | 10013 | 3705 | 4350 | 4994 | 5639 | 6283 | 6928 |
| 10 | 7/13 8/12 | 3708 | 5192 | 6675 | 8158 | 9642 | 3544 | 4189 | 4833 | 5478 | 6122 | 6767 |
| 10,5 | 7/14 8/13 9/12 | - | 4821 | 6304 | 7788 | 9271 | 3383 | 4028 | 4672 | 5317 | 5961 | 6605 |
| 11 | 8/14 9/13 | - | 4450 | 5933 | 7417 | 8900 | 3222 | 3867 | 4511 | 5155 | 5800 | 6444 |
| 11,5 | 8/15 9/14 10/13 | - | 4079 | 5563 | 7046 | 8529 | 3061 | 3705 | 4350 | 4994 | 5639 | 6283 |
| 12 | 9/15 10/14 | - | 3708 | 5192 | 6675 | 8158 | 2900 | 3544 | 4189 | 4833 | 5478 | 6122 |
| 12,5 | 9/16 10/15 11/14 | - | 3338 | 4821 | 6304 | 7788 | 2739 | 3383 | 4028 | 4672 | 5317 | 5961 |
| 13 | 10/16 11/15 | - | 2967 | 4450 | 5933 | 7417 | 2578 | 3222 | 3867 | 4511 | 5155 | 5800 |
| 13,5 | 10/17 11/16 12/15 | - | 2596 | 4079 | 5563 | 7046 | 2417 | 3061 | 3705 | 4350 | 4994 | 5639 |
| 14 | 11/17 12/16 | - | - | 3708 | 5192 | 6675 | 2256 | 2900 | 3544 | 4189 | 4833 | 5478 |
| 14,5 | 11/18 12/17 13/16 | - | - | 3338 | 4821 | 6304 | 2094 | 2739 | 3383 | 4028 | 4672 | 5317 |
| 15 | 12/18 13/17 | - | - | 2967 | 4450 | 5933 | 1933 | 2578 | 3222 | 3867 | 4511 | 5155 |
| 15,5 | 12/19 13/18 | - | - | 2596 | 4079 | 5563 | 1772 | 2417 | 3061 | 3705 | 4350 | 4994 |
| 16 | 13/19 | - | - | 2225 | 3708 | 5192 | 1611 | 2256 | 2900 | 3544 | 4189 | 4833 |
| 16,5 | 13/20 | - | - | 1854 | 3338 | 4821 | 1450 | 2094 | 2739 | 3383 | 4028 | 4672 |

**COOLING CAPACITY MODEL FCC 20 AT NOMINAL SPEED (MAXIMUM SPEED)
4 PIPE INSTALLATION (INDICATED VALUES CONCERN 3R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) | | | | | SENSIBLE COOLING CAPACITY (W) | | | | | |
|------------------------------------|--|--|------|------|------|-------|--|------|------|------|------|------|
| | | Entering air temperature wet bulb (°C) | | | | | Entering air temperature dry bulb (°C) | | | | | |
| | | 15 | 17 | 19 | 21 | 23 | 21 | 23 | 25 | 27 | 29 | 31 |
| 6,5 | 5/8 | 5680 | 7017 | 8354 | 9690 | 11027 | 4419 | 5029 | 5638 | 6248 | 6858 | 7467 |
| 7 | 5/9 | 5346 | 6683 | 8019 | 9356 | 10693 | 4267 | 4877 | 5486 | 6096 | 6705 | 7315 |
| 7,5 | 5/10 6/9 | 5012 | 6348 | 7685 | 9022 | 10358 | 4115 | 4724 | 5333 | 5943 | 6553 | 7162 |
| 8 | 5/11 6/10 | 4678 | 6015 | 7351 | 8688 | 10024 | 3962 | 4572 | 5181 | 5791 | 6400 | 7010 |
| 8,5 | 5/12 6/11 7/10 | 4344 | 5680 | 7017 | 8354 | 9690 | 3810 | 4419 | 5029 | 5638 | 6248 | 6858 |
| 9 | 6/12 7/11 | 4010 | 5346 | 6683 | 8019 | 9356 | 3657 | 4267 | 4877 | 5486 | 6096 | 6705 |
| 9,5 | 6/13 7/12 8/11 | 3676 | 5012 | 6348 | 7685 | 9022 | 3505 | 4115 | 4724 | 5333 | 5943 | 6553 |
| 10 | 7/13 8/12 | 3341 | 4678 | 6015 | 7351 | 8688 | 3353 | 3962 | 4572 | 5181 | 5791 | 6400 |
| 10,5 | 7/14 8/13 9/12 | - | 4344 | 5680 | 7017 | 8354 | 3200 | 3810 | 4419 | 5029 | 5638 | 6248 |
| 11 | 8/14 9/13 | - | 4010 | 5346 | 6683 | 8019 | 3048 | 3657 | 4267 | 4877 | 5486 | 6096 |
| 11,5 | 8/15 9/14 10/13 | - | 3676 | 5012 | 6348 | 7685 | 2895 | 3505 | 4115 | 4724 | 5333 | 5943 |
| 12 | 9/15 10/14 | - | 3341 | 4678 | 6015 | 7351 | 2743 | 3353 | 3962 | 4572 | 5181 | 5791 |
| 12,5 | 9/16 10/15 11/14 | - | 3007 | 4344 | 5680 | 7017 | 2591 | 3200 | 3810 | 4419 | 5029 | 5638 |
| 13 | 10/16 11/15 | - | 2673 | 4010 | 5346 | 6683 | 2438 | 3048 | 3657 | 4267 | 4877 | 5486 |
| 13,5 | 10/17 11/16 12/15 | - | 2339 | 3676 | 5012 | 6348 | 2286 | 2895 | 3505 | 4115 | 4724 | 5333 |
| 14 | 11/17 12/16 | - | - | 3341 | 4678 | 6015 | 2133 | 2743 | 3353 | 3962 | 4572 | 5181 |
| 14,5 | 11/18 12/17 13/16 | - | - | 3007 | 4344 | 5680 | 1981 | 2591 | 3200 | 3810 | 4419 | 5029 |
| 15 | 12/18 13/17 | - | - | 2673 | 4010 | 5346 | 1829 | 2438 | 3048 | 3657 | 4267 | 4877 |
| 15,5 | 12/19 13/18 | - | - | 2339 | 3676 | 5012 | 1676 | 2286 | 2895 | 3505 | 4115 | 4724 |
| 16 | 13/19 | - | - | 2005 | 3341 | 4678 | 1524 | 2133 | 2743 | 3353 | 3962 | 4572 |
| 16,5 | 13/20 | - | - | 1671 | 3007 | 4344 | 1372 | 1981 | 2591 | 3200 | 3810 | 4419 |

NOTE: Marked cooling capacities concern the catalogue nominal values (water 9/12°C – air 27°C db;19°C wb).

NOTE: Values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.

If sensible cooling capacity is higher than total cooling capacity consider total cooling capacity = sensible capacity, without dehumidification condition.

HEATING CAPACITY MODEL **FCC 20** AT NOMINAL SPEEDS (MAXIMUM SPEED)

| Water entering temperature (°C) | Δ water temperature (°C) | HEATING CAPACITY, 2 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 3R COIL | | | | | HEATING CAPACITY, 4 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 1R COIL | | | | |
|---------------------------------|--------------------------|---|-------|-------|-------|-------|---|------|------|------|------|
| | | Entering air temperature (°C) | | | | | Entering air temperature (°C) | | | | |
| | | 16 | 18 | 20 | 22 | 24 | 16 | 18 | 20 | 22 | 24 |
| 70 | 2,5 | 16642 | 16011 | 15380 | 14749 | 14118 | 8201 | 7890 | 7579 | 7268 | 6957 |
| | 5 | 16248 | 15617 | 14986 | 14355 | 13724 | 8006 | 7696 | 7385 | 7074 | 6763 |
| | 7,5 | 15854 | 15223 | 14592 | 13961 | 13330 | 7812 | 7501 | 7190 | 6879 | 6568 |
| | 10 | 15459 | 14828 | 14197 | 13566 | 12935 | 7618 | 7307 | 6996 | 6685 | 6374 |
| | 12,5 | 15065 | 14434 | 13803 | 13172 | 12541 | 7423 | 7113 | 6802 | 6491 | 6180 |
| 65 | 2,5 | 15065 | 14434 | 13803 | 13172 | 12541 | 7423 | 7113 | 6802 | 6491 | 6180 |
| | 5 | 14670 | 14039 | 13408 | 12777 | 12146 | 7229 | 6918 | 6607 | 6296 | 5985 |
| | 7,5 | 14276 | 13645 | 13014 | 12383 | 11752 | 7035 | 6724 | 6413 | 6102 | 5791 |
| | 10 | 13882 | 13251 | 12620 | 11989 | 11358 | 6840 | 6530 | 6219 | 5908 | 5597 |
| | 12,5 | 13487 | 12856 | 12225 | 11594 | 10963 | 6646 | 6335 | 6024 | 5713 | 5402 |
| 60 | 2,5 | 13487 | 12856 | 12225 | 11594 | 10963 | 6646 | 6335 | 6024 | 5713 | 5402 |
| | 5 | 13093 | 12462 | 11831 | 11200 | 10569 | 6452 | 6141 | 5830 | 5519 | 5208 |
| | 7,5 | 12699 | 12068 | 11437 | 10806 | 10175 | 6257 | 5947 | 5636 | 5325 | 5014 |
| | 10 | 12304 | 11673 | 11042 | 10411 | 9780 | 6063 | 5752 | 5441 | 5130 | 4819 |
| | 12,5 | 11910 | 11279 | 10648 | 10017 | 9386 | 5869 | 5558 | 5247 | 4936 | 4625 |
| 55 | 2,5 | 11910 | 11279 | 10648 | 10017 | 9386 | 5869 | 5558 | 5247 | 4936 | 4625 |
| | 5 | 11515 | 10885 | 10254 | 9623 | 8992 | 5675 | 5364 | 5053 | 4742 | 4431 |
| | 7,5 | 11121 | 10490 | 9859 | 9228 | 8597 | 5480 | 5169 | 4858 | 4547 | 4236 |
| | 10 | 10727 | 10096 | 9465 | 8834 | 8203 | 5286 | 4975 | 4664 | 4353 | 4042 |
| | 12,5 | 10332 | 9701 | 9070 | 8439 | 7808 | 5092 | 4781 | 4470 | 4159 | 3848 |
| 50 | 2,5 | 10332 | 9701 | 9070 | 8439 | 7808 | 5092 | 4781 | 4470 | 4159 | 3848 |
| | 5 | 9938 | 9307 | 8676 | 8045 | 7414 | 4897 | 4586 | 4275 | 3964 | 3653 |
| | 7,5 | 9544 | 8913 | 8282 | 7651 | 7020 | 4703 | 4392 | 4081 | 3770 | 3459 |
| | 10 | 9149 | 8518 | 7887 | 7256 | 6625 | 4509 | 4198 | 3887 | 3576 | 3265 |
| | 12,5 | 8755 | 8124 | 7493 | 6862 | 6231 | 4314 | 4003 | 3692 | 3381 | 3070 |
| 45 | 2,5 | 8755 | 8124 | 7493 | 6862 | 6231 | 4314 | 4003 | 3692 | 3381 | 3070 |
| | 5 | 8361 | 7730 | 7099 | 6468 | 5837 | 4120 | 3809 | 3498 | 3187 | 2876 |
| | 7,5 | 7966 | 7335 | 6704 | 6073 | 5442 | 3926 | 3615 | 3304 | 2993 | 2682 |
| | 10 | 7572 | 6941 | 6310 | 5679 | 5048 | 3731 | 3420 | 3109 | 2798 | 2487 |
| | 12,5 | 7177 | 6546 | 5915 | 5285 | 4654 | 3537 | 3226 | 2915 | 2604 | 2293 |
| 40 | 2,5 | 7177 | 6546 | 5915 | 5285 | 4654 | 3537 | 3226 | 2915 | 2604 | 2293 |
| | 5 | 6783 | 6152 | 5521 | 4890 | 4259 | 3343 | 3032 | 2721 | 2410 | 2099 |
| | 7,5 | 6389 | 5758 | 5127 | 4496 | 3865 | 3148 | 2837 | 2526 | 2215 | 1904 |
| | 10 | 5994 | 5363 | 4732 | 4101 | 3470 | 2954 | 2643 | 2332 | 2021 | 1710 |
| | 12,5 | 5600 | 4969 | 4338 | 3707 | 3076 | 2760 | 2449 | 2138 | 1827 | 1516 |

NOTE: Marked heating capacities for 4 pipe installation concern nominal values to the catalogue (water 70/60°C – air 20°C).
 NOTE: Marked heating capacities for 2 pipe installation concern values next to the catalogue nominal values (catalogue conditions: water 50°C – water flow as for cooling - air 20°C. schedule conditions: water 50° - ΔT water 7,5°C - Air 20°C).
 NOTE: values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.

**COOLING CAPACITY MODEL FCC 30 AT NOMINAL SPEED (MAXIMUM SPEED)
2 PIPE INSTALLATION (INDICATED VALUES CONCERN 3R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) Entering air temperature wet bulb (°C) | | | | | SENSIBLE COOLING CAPACITY (W) Entering air temperature dry bulb (°C) | | | | | |
|------------------------------------|--|--|-------|-------|-------|-------|---|------|------|------|------|-------|
| | | 15 | 17 | 19 | 21 | 23 | 21 | 23 | 25 | 27 | 29 | 31 |
| 6,5 | 5/8 | 8231 | 10167 | 12104 | 14040 | 15977 | 6099 | 6941 | 7782 | 8623 | 9465 | 10306 |
| 7 | 5/9 | 7746 | 9683 | 11620 | 13556 | 15493 | 5889 | 6730 | 7572 | 8413 | 9254 | 10096 |
| 7,5 | 5/10 6/9 | 7262 | 9198 | 11135 | 13072 | 15009 | 5679 | 6520 | 7361 | 8203 | 9044 | 9885 |
| 8 | 5/11 6/10 | 6778 | 8715 | 10651 | 12588 | 14524 | 5468 | 6310 | 7151 | 7992 | 8834 | 9675 |
| 8,5 | 5/12 6/11 7/10 | 6294 | 8231 | 10167 | 12104 | 14040 | 5258 | 6099 | 6941 | 7782 | 8623 | 9465 |
| 9 | 6/12 7/11 | 5810 | 7746 | 9683 | 11620 | 13556 | 5048 | 5889 | 6730 | 7572 | 8413 | 9254 |
| 9,5 | 6/13 7/12 8/11 | 5326 | 7262 | 9198 | 11135 | 13072 | 4837 | 5679 | 6520 | 7361 | 8203 | 9044 |
| 10 | 7/13 8/12 | 4841 | 6778 | 8715 | 10651 | 12588 | 4627 | 5468 | 6310 | 7151 | 7992 | 8834 |
| 10,5 | 7/14 8/13 9/12 | - | 6294 | 8231 | 10167 | 12104 | 4417 | 5258 | 6099 | 6941 | 7782 | 8623 |
| 11 | 8/14 9/13 | - | 5810 | 7746 | 9683 | 11620 | 4206 | 5048 | 5889 | 6730 | 7572 | 8413 |
| 11,5 | 8/15 9/14 10/13 | - | 5326 | 7262 | 9198 | 11135 | 3996 | 4837 | 5679 | 6520 | 7361 | 8203 |
| 12 | 9/15 10/14 | - | 4841 | 6778 | 8715 | 10651 | 3786 | 4627 | 5468 | 6310 | 7151 | 7992 |
| 12,5 | 9/16 10/15 11/14 | - | 4357 | 6294 | 8231 | 10167 | 3576 | 4417 | 5258 | 6099 | 6941 | 7782 |
| 13 | 10/16 11/15 | - | 3873 | 5810 | 7746 | 9683 | 3365 | 4206 | 5048 | 5889 | 6730 | 7572 |
| 13,5 | 10/17 11/16 12/15 | - | 3389 | 5326 | 7262 | 9198 | 3155 | 3996 | 4837 | 5679 | 6520 | 7361 |
| 14 | 11/17 12/16 | - | - | 4841 | 6778 | 8715 | 2945 | 3786 | 4627 | 5468 | 6310 | 7151 |
| 14,5 | 11/18 12/17 13/16 | - | - | 4357 | 6294 | 8231 | 2734 | 3576 | 4417 | 5258 | 6099 | 6941 |
| 15 | 12/18 13/17 | - | - | 3873 | 5810 | 7746 | 2524 | 3365 | 4206 | 5048 | 5889 | 6730 |
| 15,5 | 12/19 13/18 | - | - | 3389 | 5326 | 7262 | 2314 | 3155 | 3996 | 4837 | 5679 | 6520 |
| 16 | 13/19 | - | - | 2905 | 4841 | 6778 | 2103 | 2945 | 3786 | 4627 | 5468 | 6310 |
| 16,5 | 13/20 | - | - | 2421 | 4357 | 6294 | 1893 | 2734 | 3576 | 4417 | 5258 | 6099 |

**COOLING CAPACITY MODEL FCC 30 AT NOMINAL SPEED (MAXIMUM SPEED)
4 PIPE INSTALLATION (INDICATED VALUES CONCERN 3R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) Entering air temperature wet bulb (°C) | | | | | SENSIBLE COOLING CAPACITY (W) Entering air temperature dry bulb (°C) | | | | | |
|------------------------------------|--|--|------|-------|-------|-------|---|------|------|------|------|------|
| | | 15 | 17 | 19 | 21 | 23 | 21 | 23 | 25 | 27 | 29 | 31 |
| 6,5 | 5/8 | 7414 | 9158 | 10902 | 12647 | 14391 | 5843 | 6649 | 7455 | 8260 | 9066 | 9872 |
| 7 | 5/9 | 6978 | 8722 | 10466 | 12211 | 13955 | 5641 | 6447 | 7253 | 8059 | 8865 | 9671 |
| 7,5 | 5/10 6/9 | 6541 | 8286 | 10030 | 11775 | 13519 | 5440 | 6246 | 7051 | 7858 | 8663 | 9469 |
| 8 | 5/11 6/10 | 6105 | 7850 | 9594 | 11339 | 13083 | 5238 | 6044 | 6850 | 7656 | 8462 | 9268 |
| 8,5 | 5/12 6/11 7/10 | 5669 | 7414 | 9158 | 10902 | 12647 | 5037 | 5843 | 6649 | 7455 | 8260 | 9066 |
| 9 | 6/12 7/11 | 5233 | 6978 | 8722 | 10466 | 12211 | 4835 | 5641 | 6447 | 7253 | 8059 | 8865 |
| 9,5 | 6/13 7/12 8/11 | 4797 | 6541 | 8286 | 10030 | 11775 | 4634 | 5440 | 6246 | 7051 | 7858 | 8663 |
| 10 | 7/13 8/12 | 4361 | 6105 | 7850 | 9594 | 11339 | 4432 | 5238 | 6044 | 6850 | 7656 | 8462 |
| 10,5 | 7/14 8/13 9/12 | - | 5669 | 7414 | 9158 | 10902 | 4231 | 5037 | 5843 | 6649 | 7455 | 8260 |
| 11 | 8/14 9/13 | - | 5233 | 6978 | 8722 | 10466 | 4030 | 4835 | 5641 | 6447 | 7253 | 8059 |
| 11,5 | 8/15 9/14 10/13 | - | 4797 | 6541 | 8286 | 10030 | 3828 | 4634 | 5440 | 6246 | 7051 | 7858 |
| 12 | 9/15 10/14 | - | 4361 | 6105 | 7850 | 9594 | 3627 | 4432 | 5238 | 6044 | 6850 | 7656 |
| 12,5 | 9/16 10/15 11/14 | - | 3925 | 5669 | 7414 | 9158 | 3425 | 4231 | 5037 | 5843 | 6649 | 7455 |
| 13 | 10/16 11/15 | - | 3489 | 5233 | 6978 | 8722 | 3224 | 4030 | 4835 | 5641 | 6447 | 7253 |
| 13,5 | 10/17 11/16 12/15 | - | 3053 | 4797 | 6541 | 8286 | 3022 | 3828 | 4634 | 5440 | 6246 | 7051 |
| 14 | 11/17 12/16 | - | - | 4361 | 6105 | 7850 | 2821 | 3627 | 4432 | 5238 | 6044 | 6850 |
| 14,5 | 11/18 12/17 13/16 | - | - | 3925 | 5669 | 7414 | 2619 | 3425 | 4231 | 5037 | 5843 | 6649 |
| 15 | 12/18 13/17 | - | - | 3489 | 5233 | 6978 | 2418 | 3224 | 4030 | 4835 | 5641 | 6447 |
| 15,5 | 12/19 13/18 | - | - | 3053 | 4797 | 6541 | 2216 | 3022 | 3828 | 4634 | 5440 | 6246 |
| 16 | 13/19 | - | - | 2617 | 4361 | 6105 | 2015 | 2821 | 3627 | 4432 | 5238 | 6044 |
| 16,5 | 13/20 | - | - | 2180 | 3925 | 5669 | 1813 | 2619 | 3425 | 4231 | 5037 | 5843 |

NOTE: Marked cooling capacities concern the catalogue nominal values (water 9/12°C – air 27°C db;19°C wb).

NOTE: Values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.

If sensible cooling capacity is higher than total cooling capacity consider total cooling capacity = sensible capacity, without dehumidification condition.

HEATING CAPACITY MODEL FCC 30 AT NOMINAL SPEEDS (MAXIMUM SPEED)

| Water entering temperature (°C) | Δ water temperature (°C) | HEATING CAPACITY, 2 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 3R COIL | | | | | HEATING CAPACITY, 4 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 1R COIL | | | | |
|---------------------------------|--------------------------|---|-------|-------|-------|-------|---|-------|------|------|------|
| | | Entering air temperature (°C) | | | | | Entering air temperature (°C) | | | | |
| | | 16 | 18 | 20 | 22 | 24 | 16 | 18 | 20 | 22 | 24 |
| 70 | 2,5 | 21939 | 21108 | 20276 | 19444 | 18612 | 10729 | 10322 | 9915 | 9508 | 9102 |
| | 5 | 21420 | 20588 | 19756 | 18924 | 18092 | 10474 | 10068 | 9661 | 9254 | 8847 |
| | 7,5 | 20900 | 20068 | 19236 | 18404 | 17572 | 10220 | 9813 | 9407 | 9000 | 8593 |
| | 10 | 20380 | 19548 | 18716 | 17884 | 17052 | 9966 | 9559 | 9152 | 8746 | 8339 |
| | 12,5 | 19860 | 19028 | 18196 | 17364 | 16533 | 9712 | 9305 | 8898 | 8491 | 8085 |
| 65 | 2,5 | 19860 | 19028 | 18196 | 17364 | 16533 | 9712 | 9305 | 8898 | 8491 | 8085 |
| | 5 | 19340 | 18508 | 17676 | 16844 | 16013 | 9457 | 9051 | 8644 | 8237 | 7830 |
| | 7,5 | 18820 | 17988 | 17156 | 16325 | 15493 | 9203 | 8796 | 8390 | 7983 | 7576 |
| | 10 | 18300 | 17468 | 16637 | 15805 | 14973 | 8949 | 8542 | 8135 | 7729 | 7322 |
| 60 | 12,5 | 17780 | 16948 | 16117 | 15285 | 14453 | 8695 | 8288 | 7881 | 7474 | 7068 |
| | 2,5 | 17780 | 16948 | 16117 | 15285 | 14453 | 8695 | 8288 | 7881 | 7474 | 7068 |
| | 5 | 17260 | 16429 | 15597 | 14765 | 13933 | 8441 | 8034 | 7627 | 7220 | 6813 |
| | 7,5 | 16740 | 15909 | 15077 | 14245 | 13413 | 8186 | 7780 | 7373 | 6966 | 6559 |
| | 10 | 16221 | 15389 | 14557 | 13725 | 12893 | 7932 | 7525 | 7119 | 6712 | 6305 |
| 55 | 12,5 | 15701 | 14869 | 14037 | 13205 | 12373 | 7678 | 7271 | 6864 | 6458 | 6051 |
| | 2,5 | 15701 | 14869 | 14037 | 13205 | 12373 | 7678 | 7271 | 6864 | 6458 | 6051 |
| | 5 | 15181 | 14349 | 13517 | 12685 | 11854 | 7424 | 7017 | 6610 | 6203 | 5797 |
| | 7,5 | 14661 | 13829 | 12997 | 12165 | 11334 | 7169 | 6763 | 6356 | 5949 | 5542 |
| | 10 | 14141 | 13309 | 12477 | 11646 | 10814 | 6915 | 6508 | 6102 | 5695 | 5288 |
| 50 | 12,5 | 13621 | 12789 | 11957 | 11126 | 10294 | 6661 | 6254 | 5847 | 5441 | 5034 |
| | 2,5 | 13621 | 12789 | 11957 | 11126 | 10294 | 6661 | 6254 | 5847 | 5441 | 5034 |
| | 5 | 13101 | 12269 | 11438 | 10606 | 9774 | 6407 | 6000 | 5593 | 5186 | 4780 |
| | 7,5 | 12581 | 11750 | 10918 | 10086 | 9254 | 6152 | 5746 | 5339 | 4932 | 4525 |
| | 10 | 12061 | 11230 | 10398 | 9566 | 8734 | 5898 | 5491 | 5085 | 4678 | 4271 |
| 45 | 12,5 | 11542 | 10710 | 9878 | 9046 | 8214 | 5644 | 5237 | 4830 | 4424 | 4017 |
| | 2,5 | 11542 | 10710 | 9878 | 9046 | 8214 | 5644 | 5237 | 4830 | 4424 | 4017 |
| | 5 | 11022 | 10190 | 9358 | 8526 | 7694 | 5390 | 4983 | 4576 | 4169 | 3763 |
| | 7,5 | 10502 | 9670 | 8838 | 8006 | 7174 | 5136 | 4729 | 4322 | 3915 | 3508 |
| | 10 | 9982 | 9150 | 8318 | 7486 | 6655 | 4881 | 4475 | 4068 | 3661 | 3254 |
| 40 | 12,5 | 9462 | 8630 | 7798 | 6967 | 6135 | 4627 | 4220 | 3814 | 3407 | 3000 |
| | 2,5 | 9462 | 8630 | 7798 | 6967 | 6135 | 4627 | 4220 | 3814 | 3407 | 3000 |
| | 5 | 8942 | 8110 | 7278 | 6447 | 5615 | 4373 | 3966 | 3559 | 3152 | 2746 |
| | 7,5 | 8422 | 7590 | 6759 | 5927 | 5095 | 4119 | 3712 | 3305 | 2898 | 2491 |
| | 10 | 7902 | 7071 | 6239 | 5407 | 4575 | 3864 | 3458 | 3051 | 2644 | 2237 |
| | 12,5 | 7382 | 6551 | 5719 | 4887 | 4055 | 3610 | 3203 | 2797 | 2390 | 1983 |

NOTE: Marked heating capacities for 4 pipe installation concern nominal values to the catalogue (water 70/60°C – air 20°C).
 NOTE: Marked heating capacities for 2 pipe installation concern values next to the catalogue nominal values (catalogue conditions: water 50°C – water flow as for cooling - air 20°C. schedule conditions: water 50° - ΔT water 7,5°C - Air 20°C).
 NOTE: values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.

**COOLING CAPACITY MODEL FCC 40 AT NOMINAL SPEED (MAXIMUM SPEED)
2 PIPE INSTALLATION (INDICATED VALUES CONCERN 3R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) | | | | |
|------------------------------------|--|--|-------|-------|-------|-------|
| | | Entering air temperature wet bulb (°C) | | | | |
| | | 15 | 17 | 19 | 21 | 23 |
| 6,5 | 5/8 | 9483 | 11715 | 13946 | 16177 | 18409 |
| 7 | 5/9 | 8925 | 11157 | 13388 | 15619 | 17851 |
| 7,5 | 5/10 6/9 | 8368 | 10599 | 12830 | 15062 | 17293 |
| 8 | 5/11 6/10 | 7810 | 10041 | 12272 | 14504 | 16735 |
| 8,5 | 5/12 6/11 7/10 | 7252 | 9483 | 11715 | 13946 | 16177 |
| 9 | 6/12 7/11 | 6694 | 8925 | 11157 | 13388 | 15619 |
| 9,5 | 6/13 7/12 8/11 | 6136 | 8368 | 10599 | 12830 | 15062 |
| 10 | 7/13 8/12 | 5578 | 7810 | 10041 | 12272 | 14504 |
| 10,5 | 7/14 8/13 9/12 | - | 7252 | 9483 | 11715 | 13946 |
| 11 | 8/14 9/13 | - | 6694 | 8925 | 11157 | 13388 |
| 11,5 | 8/15 9/14 10/13 | - | 6136 | 8368 | 10599 | 12830 |
| 12 | 9/15 10/14 | - | 5578 | 7810 | 10041 | 12272 |
| 12,5 | 9/16 10/15 11/14 | - | 5021 | 7252 | 9483 | 11715 |
| 13 | 10/16 11/15 | - | 4463 | 6694 | 8925 | 11157 |
| 13,5 | 10/17 11/16 12/15 | - | 3905 | 6136 | 8368 | 10599 |
| 14 | 11/17 12/16 | - | - | 5578 | 7810 | 10041 |
| 14,5 | 11/18 12/17 13/16 | - | - | 5021 | 7252 | 9483 |
| 15 | 12/18 13/17 | - | - | 4463 | 6694 | 8925 |
| 15,5 | 12/19 13/18 | - | - | 3905 | 6136 | 8368 |
| 16 | 13/19 | - | - | 3347 | 5578 | 7810 |
| 16,5 | 13/20 | - | - | 2789 | 5021 | 7252 |

| SENSIBLE COOLING CAPACITY (W) | | | | | |
|--|------|------|-------|-------|-------|
| Entering air temperature dry bulb (°C) | | | | | |
| 21 | 23 | 25 | 27 | 29 | 31 |
| 7148 | 8134 | 9120 | 10106 | 11092 | 12078 |
| 6902 | 7887 | 8873 | 9859 | 10845 | 11831 |
| 6655 | 7641 | 8627 | 9613 | 10599 | 11585 |
| 6409 | 7395 | 8380 | 9366 | 10352 | 11338 |
| 6162 | 7148 | 8134 | 9120 | 10106 | 11092 |
| 5916 | 6902 | 7887 | 8873 | 9859 | 10845 |
| 5669 | 6655 | 7641 | 8627 | 9613 | 10599 |
| 5423 | 6409 | 7395 | 8380 | 9366 | 10352 |
| 5176 | 6162 | 7148 | 8134 | 9120 | 10106 |
| 4930 | 5916 | 6902 | 7887 | 8873 | 9859 |
| 4683 | 5669 | 6655 | 7641 | 8627 | 9613 |
| 4437 | 5423 | 6409 | 7395 | 8380 | 9366 |
| 4190 | 5176 | 6162 | 7148 | 8134 | 9120 |
| 3944 | 4930 | 5916 | 6902 | 7887 | 8873 |
| 3697 | 4683 | 5669 | 6655 | 7641 | 8627 |
| 3451 | 4437 | 5423 | 6409 | 7395 | 8380 |
| 3204 | 4190 | 5176 | 6162 | 7148 | 8134 |
| 2958 | 3944 | 4930 | 5916 | 6902 | 7887 |
| 2711 | 3697 | 4683 | 5669 | 6655 | 7641 |
| 2465 | 3451 | 4437 | 5423 | 6409 | 7395 |
| 2218 | 3204 | 4190 | 5176 | 6162 | 7148 |

**COOLING CAPACITY MODEL FCC 40 AT NOMINAL SPEED (MAXIMUM SPEED)
4 PIPE INSTALLATION (INDICATED VALUES CONCERN 3R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) | | | | |
|------------------------------------|--|--|-------|-------|-------|-------|
| | | Entering air temperature wet bulb (°C) | | | | |
| | | 15 | 17 | 19 | 21 | 23 |
| 6,5 | 5/8 | 8541 | 10550 | 12560 | 14570 | 16579 |
| 7 | 5/9 | 8038 | 10048 | 12058 | 14067 | 16077 |
| 7,5 | 5/10 6/9 | 7536 | 9545 | 11555 | 13565 | 15574 |
| 8 | 5/11 6/10 | 7034 | 9043 | 11053 | 13062 | 15072 |
| 8,5 | 5/12 6/11 7/10 | 6531 | 8541 | 10550 | 12560 | 14570 |
| 9 | 6/12 7/11 | 6029 | 8038 | 10048 | 12058 | 14067 |
| 9,5 | 6/13 7/12 8/11 | 5526 | 7536 | 9545 | 11555 | 13565 |
| 10 | 7/13 8/12 | 5024 | 7034 | 9043 | 11053 | 13062 |
| 10,5 | 7/14 8/13 9/12 | - | 6531 | 8541 | 10550 | 12560 |
| 11 | 8/14 9/13 | - | 6029 | 8038 | 10048 | 12058 |
| 11,5 | 8/15 9/14 10/13 | - | 5526 | 7536 | 9545 | 11555 |
| 12 | 9/15 10/14 | - | 5024 | 7034 | 9043 | 11053 |
| 12,5 | 9/16 10/15 11/14 | - | 4522 | 6531 | 8541 | 10550 |
| 13 | 10/16 11/15 | - | 4019 | 6029 | 8038 | 10048 |
| 13,5 | 10/17 11/16 12/15 | - | 3517 | 5526 | 7536 | 9545 |
| 14 | 11/17 12/16 | - | - | 5024 | 7034 | 9043 |
| 14,5 | 11/18 12/17 13/16 | - | - | 4522 | 6531 | 8541 |
| 15 | 12/18 13/17 | - | - | 4019 | 6029 | 8038 |
| 15,5 | 12/19 13/18 | - | - | 3517 | 5526 | 7536 |
| 16 | 13/19 | - | - | 3014 | 5024 | 7034 |
| 16,5 | 13/20 | - | - | 2512 | 4522 | 6531 |

| SENSIBLE COOLING CAPACITY (W) | | | | | |
|--|------|------|------|-------|-------|
| Entering air temperature dry bulb (°C) | | | | | |
| 21 | 23 | 25 | 27 | 29 | 31 |
| 6645 | 7562 | 8479 | 9395 | 10312 | 11228 |
| 6416 | 7333 | 8249 | 9166 | 10083 | 10999 |
| 6187 | 7104 | 8020 | 8937 | 9853 | 10770 |
| 5958 | 6874 | 7791 | 8708 | 9624 | 10541 |
| 5729 | 6645 | 7562 | 8479 | 9395 | 10312 |
| 5500 | 6416 | 7333 | 8249 | 9166 | 10083 |
| 5270 | 6187 | 7104 | 8020 | 8937 | 9853 |
| 5041 | 5958 | 6874 | 7791 | 8708 | 9624 |
| 4812 | 5729 | 6645 | 7562 | 8479 | 9395 |
| 4583 | 5500 | 6416 | 7333 | 8249 | 9166 |
| 4354 | 5270 | 6187 | 7104 | 8020 | 8937 |
| 4125 | 5041 | 5958 | 6874 | 7791 | 8708 |
| 3896 | 4812 | 5729 | 6645 | 7562 | 8479 |
| 3666 | 4583 | 5500 | 6416 | 7333 | 8249 |
| 3437 | 4354 | 5270 | 6187 | 7104 | 8020 |
| 3208 | 4125 | 5041 | 5958 | 6874 | 7791 |
| 2979 | 3896 | 4812 | 5729 | 6645 | 7562 |
| 2750 | 3666 | 4583 | 5500 | 6416 | 7333 |
| 2521 | 3437 | 4354 | 5270 | 6187 | 7104 |
| 2291 | 3208 | 4125 | 5041 | 5958 | 6874 |
| 2062 | 2979 | 3896 | 4812 | 5729 | 6645 |

NOTE: Marked cooling capacities concern the catalogue nominal values (water 9/12°C – air 27°C db;19°C wb).
NOTE: Values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.
If sensible cooling capacity is higher than total cooling capacity consider total cooling capacity = sensible capacity, without dehumidification condition.

HEATING CAPACITY MODEL **FCC 40** AT NOMINAL SPEEDS (MAXIMUM SPEED)

| Water entering temperature (°C) | Δ water temperature (°C) | HEATING CAPACITY, 2 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 3R COIL | | | | | HEATING CAPACITY, 4 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 1R COIL | | | | |
|---------------------------------|--------------------------|---|-------|-------|-------|-------|---|-------|-------|-------|-------|
| | | Entering air temperature (°C) | | | | | Entering air temperature (°C) | | | | |
| | | 16 | 18 | 20 | 22 | 24 | 16 | 18 | 20 | 22 | 24 |
| 70 | 2,5 | 25025 | 24076 | 23127 | 22178 | 21229 | 12355 | 11887 | 11418 | 10950 | 10481 |
| | 5 | 24432 | 23483 | 22534 | 21585 | 20636 | 12062 | 11594 | 11125 | 10657 | 10188 |
| | 7,5 | 23839 | 22890 | 21941 | 20992 | 20043 | 11769 | 11301 | 10833 | 10364 | 9896 |
| | 10 | 23246 | 22297 | 21348 | 20399 | 19450 | 11477 | 11008 | 10540 | 10071 | 9603 |
| | 12,5 | 22653 | 21704 | 20755 | 19806 | 18857 | 11184 | 10715 | 10247 | 9779 | 9310 |
| 65 | 2,5 | 22653 | 21704 | 20755 | 19806 | 18857 | 11184 | 10715 | 10247 | 9779 | 9310 |
| | 5 | 22060 | 21111 | 20162 | 19213 | 18264 | 10891 | 10423 | 9954 | 9486 | 9017 |
| | 7,5 | 21467 | 20518 | 19569 | 18620 | 17671 | 10598 | 10130 | 9661 | 9193 | 8725 |
| | 10 | 20874 | 19925 | 18976 | 18027 | 17078 | 10306 | 9837 | 9369 | 8900 | 8432 |
| | 12,5 | 20281 | 19332 | 18383 | 17434 | 16485 | 10013 | 9544 | 9076 | 8607 | 8139 |
| 60 | 2,5 | 20281 | 19332 | 18383 | 17434 | 16485 | 10013 | 9544 | 9076 | 8607 | 8139 |
| | 5 | 19688 | 18739 | 17790 | 16841 | 15892 | 9720 | 9252 | 8783 | 8315 | 7846 |
| | 7,5 | 19095 | 18146 | 17197 | 16248 | 15299 | 9427 | 8959 | 8490 | 8022 | 7553 |
| | 10 | 18502 | 17553 | 16604 | 15655 | 14706 | 9134 | 8666 | 8198 | 7729 | 7261 |
| | 12,5 | 17909 | 16960 | 16011 | 15062 | 14113 | 8842 | 8373 | 7905 | 7436 | 6968 |
| 55 | 2,5 | 17909 | 16960 | 16011 | 15062 | 14113 | 8842 | 8373 | 7905 | 7436 | 6968 |
| | 5 | 17316 | 16367 | 15418 | 14469 | 13520 | 8549 | 8080 | 7612 | 7144 | 6675 |
| | 7,5 | 16723 | 15774 | 14825 | 13876 | 12927 | 8256 | 7788 | 7319 | 6851 | 6382 |
| | 10 | 16130 | 15181 | 14232 | 13283 | 12334 | 7963 | 7495 | 7027 | 6558 | 6090 |
| | 12,5 | 15537 | 14588 | 13639 | 12690 | 11741 | 7671 | 7202 | 6734 | 6265 | 5797 |
| 50 | 2,5 | 15537 | 14588 | 13639 | 12690 | 11741 | 7671 | 7202 | 6734 | 6265 | 5797 |
| | 5 | 14944 | 13995 | 13046 | 12097 | 11148 | 7378 | 6909 | 6441 | 5973 | 5504 |
| | 7,5 | 14351 | 13402 | 12453 | 11504 | 10555 | 7085 | 6617 | 6148 | 5680 | 5211 |
| | 10 | 13758 | 12809 | 11860 | 10911 | 9962 | 6792 | 6324 | 5855 | 5387 | 4919 |
| | 12,5 | 13165 | 12216 | 11267 | 10318 | 9369 | 6500 | 6031 | 5563 | 5094 | 4626 |
| 45 | 2,5 | 13165 | 12216 | 11267 | 10318 | 9369 | 6500 | 6031 | 5563 | 5094 | 4626 |
| | 5 | 12572 | 11623 | 10674 | 9725 | 8776 | 6207 | 5738 | 5270 | 4801 | 4333 |
| | 7,5 | 11979 | 11030 | 10081 | 9132 | 8183 | 5914 | 5446 | 4977 | 4509 | 4040 |
| | 10 | 11386 | 10437 | 9488 | 8539 | 7590 | 5621 | 5153 | 4684 | 4216 | 3747 |
| | 12,5 | 10793 | 9844 | 8895 | 7946 | 6997 | 5328 | 4860 | 4392 | 3923 | 3455 |
| 40 | 2,5 | 10793 | 9844 | 8895 | 7946 | 6997 | 5328 | 4860 | 4392 | 3923 | 3455 |
| | 5 | 10200 | 9251 | 8302 | 7353 | 6404 | 5036 | 4567 | 4099 | 3630 | 3162 |
| | 7,5 | 9607 | 8658 | 7709 | 6760 | 5811 | 4743 | 4274 | 3806 | 3338 | 2869 |
| | 10 | 9014 | 8065 | 7116 | 6167 | 5218 | 4450 | 3982 | 3513 | 3045 | 2576 |
| | 12,5 | 8421 | 7472 | 6523 | 5574 | 4625 | 4157 | 3689 | 3220 | 2752 | 2284 |

NOTE: Marked heating capacities for 4 pipe installation concern nominal values to the catalogue (water 70/60°C – air 20°C).
 NOTE: Marked heating capacities for 2 pipe installation concern values next to the catalogue nominal values (catalogue conditions: water 50°C – water flow as for cooling - air 20°C. schedule conditions: water 50° - ΔT water 7,5°C - Air 20°C).
 NOTE: values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.

**COOLING CAPACITY MODEL FCC 50 AT NOMINAL SPEED (MAXIMUM SPEED)
2 PIPE INSTALLATION (INDICATED VALUES CONCERN 3R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) | | | | |
|------------------------------------|--|--|-------|-------|-------|-------|
| | | Entering air temperature wet bulb (°C) | | | | |
| | | 15 | 17 | 19 | 21 | 23 |
| 6,5 | 5/8 | 11713 | 14469 | 17224 | 19980 | 22736 |
| 7 | 5/9 | 11024 | 13780 | 16535 | 19291 | 22047 |
| 7,5 | 5/10 6/9 | 10335 | 13091 | 15847 | 18602 | 21358 |
| 8 | 5/11 6/10 | 9646 | 12402 | 15158 | 17913 | 20669 |
| 8,5 | 5/12 6/11 7/10 | 8957 | 11713 | 14469 | 17224 | 19980 |
| 9 | 6/12 7/11 | 8268 | 11024 | 13780 | 16535 | 19291 |
| 9,5 | 6/13 7/12 8/11 | 7579 | 10335 | 13091 | 15847 | 18602 |
| 10 | 7/13 8/12 | - | 9646 | 12402 | 15158 | 17913 |
| 10,5 | 7/14 8/13 9/12 | - | 8957 | 11713 | 14469 | 17224 |
| 11 | 8/14 9/13 | - | 8268 | 11024 | 13780 | 16535 |
| 11,5 | 8/15 9/14 10/13 | - | 7579 | 10335 | 13091 | 15847 |
| 12 | 9/15 10/14 | - | 6890 | 9646 | 12402 | 15158 |
| 12,5 | 9/16 10/15 11/14 | - | 6201 | 8957 | 11713 | 14469 |
| 13 | 10/16 11/15 | - | 5512 | 8268 | 11024 | 13780 |
| 13,5 | 10/17 11/16 12/15 | - | 4823 | 7579 | 10335 | 13091 |
| 14 | 11/17 12/16 | - | - | 6890 | 9646 | 12402 |
| 14,5 | 11/18 12/17 13/16 | - | - | 6201 | 8957 | 11713 |
| 15 | 12/18 13/17 | - | - | 5512 | 8268 | 11024 |
| 15,5 | 12/19 13/18 | - | - | 4823 | 7579 | 10335 |
| 16 | 13/19 | - | - | 4134 | 6890 | 9646 |
| 16,5 | 13/20 | - | - | 3445 | 6201 | 8957 |

| SENSIBLE COOLING CAPACITY (W) | | | | | |
|--|-------|-------|-------|-------|-------|
| Entering air temperature dry bulb (°C) | | | | | |
| 21 | 23 | 25 | 27 | 29 | 31 |
| 9134 | 10394 | 11653 | 12913 | 14173 | 15433 |
| 8819 | 10079 | 11338 | 12598 | 13858 | 15118 |
| 8504 | 9764 | 11023 | 12283 | 13543 | 14803 |
| 8189 | 9449 | 10709 | 11968 | 13228 | 14488 |
| 7874 | 9134 | 10394 | 11653 | 12913 | 14173 |
| 7559 | 8819 | 10079 | 11338 | 12598 | 13858 |
| 7244 | 8504 | 9764 | 11023 | 12283 | 13543 |
| 6929 | 8189 | 9449 | 10709 | 11968 | 13228 |
| 6614 | 7874 | 9134 | 10394 | 11653 | 12913 |
| 6299 | 7559 | 8819 | 10079 | 11338 | 12598 |
| 5984 | 7244 | 8504 | 9764 | 11023 | 12283 |
| 5669 | 6929 | 8189 | 9449 | 10709 | 11968 |
| 5354 | 6614 | 7874 | 9134 | 10394 | 11653 |
| 5039 | 6299 | 7559 | 8819 | 10079 | 11338 |
| 4724 | 5984 | 7244 | 8504 | 9764 | 11023 |
| 4409 | 5669 | 6929 | 8189 | 9449 | 10709 |
| 4094 | 5354 | 6614 | 7874 | 9134 | 10394 |
| 3779 | 5039 | 6299 | 7559 | 8819 | 10079 |
| 3465 | 4724 | 5984 | 7244 | 8504 | 9764 |
| 3150 | 4409 | 5669 | 6929 | 8189 | 9449 |
| 2835 | 4094 | 5354 | 6614 | 7874 | 9134 |

**COOLING CAPACITY MODEL FCC 50 AT NOMINAL SPEED (MAXIMUM SPEED)
4 PIPE INSTALLATION (INDICATED VALUES CONCERN 3R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) | | | | |
|------------------------------------|--|--|-------|-------|-------|-------|
| | | Entering air temperature wet bulb (°C) | | | | |
| | | 15 | 17 | 19 | 21 | 23 |
| 6,5 | 5/8 | 10968 | 13549 | 16130 | 18711 | 21292 |
| 7 | 5/9 | 10323 | 12904 | 15485 | 18066 | 20647 |
| 7,5 | 5/10 6/9 | 9678 | 12258 | 14840 | 17421 | 20001 |
| 8 | 5/11 6/10 | 9033 | 11614 | 14194 | 16775 | 19356 |
| 8,5 | 5/12 6/11 7/10 | 8388 | 10968 | 13549 | 16130 | 18711 |
| 9 | 6/12 7/11 | 7742 | 10323 | 12904 | 15485 | 18066 |
| 9,5 | 6/13 7/12 8/11 | 7097 | 9678 | 12258 | 14840 | 17421 |
| 10 | 7/13 8/12 | - | 9033 | 11614 | 14194 | 16775 |
| 10,5 | 7/14 8/13 9/12 | - | 8388 | 10968 | 13549 | 16130 |
| 11 | 8/14 9/13 | - | 7742 | 10323 | 12904 | 15485 |
| 11,5 | 8/15 9/14 10/13 | - | 7097 | 9678 | 12258 | 14840 |
| 12 | 9/15 10/14 | - | 6452 | 9033 | 11614 | 14194 |
| 12,5 | 9/16 10/15 11/14 | - | 5807 | 8388 | 10968 | 13549 |
| 13 | 10/16 11/15 | - | 5162 | 7742 | 10323 | 12904 |
| 13,5 | 10/17 11/16 12/15 | - | 4516 | 7097 | 9678 | 12258 |
| 14 | 11/17 12/16 | - | - | 6452 | 9033 | 11614 |
| 14,5 | 11/18 12/17 13/16 | - | - | 5807 | 8388 | 10968 |
| 15 | 12/18 13/17 | - | - | 5162 | 7742 | 10323 |
| 15,5 | 12/19 13/18 | - | - | 4516 | 7097 | 9678 |
| 16 | 13/19 | - | - | 3871 | 6452 | 9033 |
| 16,5 | 13/20 | - | - | 3226 | 5807 | 8388 |

| SENSIBLE COOLING CAPACITY (W) | | | | | |
|--|------|-------|-------|-------|-------|
| Entering air temperature dry bulb (°C) | | | | | |
| 21 | 23 | 25 | 27 | 29 | 31 |
| 8753 | 9960 | 11168 | 12375 | 13582 | 14790 |
| 8451 | 9659 | 10866 | 12073 | 13281 | 14488 |
| 8149 | 9357 | 10564 | 11771 | 12979 | 14186 |
| 7848 | 9055 | 10262 | 11470 | 12677 | 13884 |
| 7546 | 8753 | 9960 | 11168 | 12375 | 13582 |
| 7244 | 8451 | 9659 | 10866 | 12073 | 13281 |
| 6942 | 8149 | 9357 | 10564 | 11771 | 12979 |
| 6640 | 7848 | 9055 | 10262 | 11470 | 12677 |
| 6338 | 7546 | 8753 | 9960 | 11168 | 12375 |
| 6037 | 7244 | 8451 | 9659 | 10866 | 12073 |
| 5735 | 6942 | 8149 | 9357 | 10564 | 11771 |
| 5433 | 6640 | 7848 | 9055 | 10262 | 11470 |
| 5131 | 6338 | 7546 | 8753 | 9960 | 11168 |
| 4829 | 6037 | 7244 | 8451 | 9659 | 10866 |
| 4527 | 5735 | 6942 | 8149 | 9357 | 10564 |
| 4226 | 5433 | 6640 | 7848 | 9055 | 10262 |
| 3924 | 5131 | 6338 | 7546 | 8753 | 9960 |
| 3622 | 4829 | 6037 | 7244 | 8451 | 9659 |
| 3320 | 4527 | 5735 | 6942 | 8149 | 9357 |
| 3018 | 4226 | 5433 | 6640 | 7848 | 9055 |
| 2716 | 3924 | 5131 | 6338 | 7546 | 8753 |

NOTE: Marked cooling capacities concern the catalogue nominal values (water 9/12°C – air 27°C db;19°C wb).
NOTE: Values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.
If sensible cooling capacity is higher than total cooling capacity consider total cooling capacity = sensible capacity, without dehumidification condition.

HEATING CAPACITY MODEL FCC 50 AT NOMINAL SPEEDS (MAXIMUM SPEED)

| Water entering temperature (°C) | Δ water temperature (°C) | HEATING CAPACITY, 2 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 3R COIL | | | | | HEATING CAPACITY, 4 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 1R COIL | | | | |
|---------------------------------|--------------------------|---|-------|-------|-------|-------|---|-------|-------|-------|-------|
| | | Entering air temperature (°C) | | | | | Entering air temperature (°C) | | | | |
| | | 16 | 18 | 20 | 22 | 24 | 16 | 18 | 20 | 22 | 24 |
| 70 | 2,5 | 33117 | 31861 | 30605 | 29350 | 28094 | 16395 | 15773 | 15152 | 14530 | 13908 |
| | 5 | 32332 | 31076 | 29821 | 28565 | 27309 | 16006 | 15385 | 14763 | 14142 | 13520 |
| | 7,5 | 31547 | 30291 | 29036 | 27780 | 26525 | 15618 | 14996 | 14375 | 13753 | 13131 |
| | 10 | 30762 | 29507 | 28251 | 26995 | 25740 | 15229 | 14608 | 13986 | 13365 | 12743 |
| | 12,5 | 29978 | 28722 | 27466 | 26211 | 24955 | 14841 | 14219 | 13598 | 12976 | 12354 |
| 65 | 2,5 | 29978 | 28722 | 27466 | 26211 | 24955 | 14841 | 14219 | 13598 | 12976 | 12354 |
| | 5 | 29193 | 27937 | 26682 | 25426 | 24170 | 14452 | 13831 | 13209 | 12588 | 11966 |
| | 7,5 | 28408 | 27152 | 25897 | 24641 | 23386 | 14064 | 13442 | 12821 | 12199 | 11577 |
| | 10 | 27623 | 26368 | 25112 | 23856 | 22601 | 13675 | 13054 | 12432 | 11811 | 11189 |
| | 12,5 | 26839 | 25583 | 24327 | 23072 | 21816 | 13287 | 12665 | 12044 | 11422 | 10800 |
| 60 | 2,5 | 26839 | 25583 | 24327 | 23072 | 21816 | 13287 | 12665 | 12044 | 11422 | 10800 |
| | 5 | 26054 | 24798 | 23543 | 22287 | 21031 | 12898 | 12277 | 11655 | 11033 | 10412 |
| | 7,5 | 25269 | 24013 | 22758 | 21502 | 20247 | 12510 | 11888 | 11267 | 10645 | 10023 |
| | 10 | 24484 | 23229 | 21973 | 20717 | 19462 | 12121 | 11500 | 10878 | 10256 | 9635 |
| | 12,5 | 23700 | 22444 | 21188 | 19933 | 18677 | 11733 | 11111 | 10490 | 9868 | 9246 |
| 55 | 2,5 | 23700 | 22444 | 21188 | 19933 | 18677 | 11733 | 11111 | 10490 | 9868 | 9246 |
| | 5 | 22915 | 21659 | 20404 | 19148 | 17892 | 11344 | 10723 | 10101 | 9479 | 8858 |
| | 7,5 | 22130 | 20874 | 19619 | 18363 | 17108 | 10956 | 10334 | 9713 | 9091 | 8469 |
| | 10 | 21345 | 20090 | 18834 | 17578 | 16323 | 10567 | 9946 | 9324 | 8702 | 8081 |
| | 12,5 | 20560 | 19305 | 18049 | 16794 | 15538 | 10179 | 9557 | 8936 | 8314 | 7692 |
| 50 | 2,5 | 20560 | 19305 | 18049 | 16794 | 15538 | 10179 | 9557 | 8936 | 8314 | 7692 |
| | 5 | 19776 | 18520 | 17265 | 16009 | 14753 | 9790 | 9169 | 8547 | 7925 | 7304 |
| | 7,5 | 18991 | 17735 | 16480 | 15224 | 13969 | 9402 | 8780 | 8159 | 7537 | 6915 |
| | 10 | 18206 | 16951 | 15695 | 14439 | 13184 | 9013 | 8392 | 7770 | 7148 | 6527 |
| | 12,5 | 17421 | 16166 | 14910 | 13655 | 12399 | 8625 | 8003 | 7382 | 6760 | 6138 |
| 45 | 2,5 | 17421 | 16166 | 14910 | 13655 | 12399 | 8625 | 8003 | 7382 | 6760 | 6138 |
| | 5 | 16637 | 15381 | 14126 | 12870 | 11614 | 8236 | 7615 | 6993 | 6371 | 5750 |
| | 7,5 | 15852 | 14596 | 13341 | 12085 | 10830 | 7848 | 7226 | 6605 | 5983 | 5361 |
| | 10 | 15067 | 13812 | 12556 | 11300 | 10045 | 7459 | 6838 | 6216 | 5594 | 4973 |
| | 12,5 | 14282 | 13027 | 11771 | 10516 | 9260 | 7071 | 6449 | 5828 | 5206 | 4584 |
| 40 | 2,5 | 14282 | 13027 | 11771 | 10516 | 9260 | 7071 | 6449 | 5828 | 5206 | 4584 |
| | 5 | 13498 | 12242 | 10987 | 9731 | 8475 | 6682 | 6061 | 5439 | 4817 | 4196 |
| | 7,5 | 12713 | 11457 | 10202 | 8946 | 7691 | 6294 | 5672 | 5051 | 4429 | 3807 |
| | 10 | 11928 | 10673 | 9417 | 8161 | 6906 | 5905 | 5284 | 4662 | 4040 | 3419 |
| | 12,5 | 11143 | 9888 | 8632 | 7377 | 6121 | 5517 | 4895 | 4274 | 3652 | 3030 |

NOTE: Marked heating capacities for 4 pipe installation concern nominal values to the catalogue (water 70/60°C – air 20°C).
 NOTE: Marked heating capacities for 2 pipe installation concern values next to the catalogue nominal values (catalogue conditions: water 50°C – water flow as for cooling - air 20°C. schedule conditions: water 50° - ΔT water 7,5°C - Air 20°C).
 NOTE: values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.

**COOLING CAPACITY MODEL FCC 60 AT NOMINAL SPEED (MAXIMUM SPEED)
2 PIPE INSTALLATION (INDICATED VALUES CONCERN 4R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) Entering air temperature wet bulb (°C) | | | | | SENSIBLE COOLING CAPACITY (W) Entering air temperature dry bulb (°C) | | | | | |
|------------------------------------|--|--|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|
| | | 15 | 17 | 19 | 21 | 23 | 21 | 23 | 25 | 27 | 29 | 31 |
| | | 6,5 | 5/8 | 24885 | 30740 | 36595 | 42450 | 48305 | 17511 | 19926 | 22342 | 24757 |
| 7 | 5/9 | 23421 | 29276 | 35131 | 40986 | 46842 | 16907 | 19323 | 21738 | 24153 | 26569 | 28984 |
| 7,5 | 5/10 6/9 | 21957 | 27812 | 33667 | 39523 | 45378 | 16303 | 18719 | 21134 | 23549 | 25965 | 28380 |
| 8 | 5/11 6/10 | 20493 | 26348 | 32204 | 38059 | 43914 | 15700 | 18115 | 20530 | 22946 | 25361 | 27776 |
| 8,5 | 5/12 6/11 7/10 | 19029 | 24885 | 30740 | 36595 | 42450 | 15096 | 17511 | 19926 | 22342 | 24757 | 27172 |
| 9 | 6/12 7/11 | 17566 | 23421 | 29276 | 35131 | 40986 | 14492 | 16907 | 19323 | 21738 | 24153 | 26569 |
| 9,5 | 6/13 7/12 8/11 | 16102 | 21957 | 27812 | 33667 | 39523 | 13888 | 16303 | 18719 | 21134 | 23549 | 25965 |
| 10 | 7/13 8/12 | 14638 | 20493 | 26348 | 32204 | 38059 | 13284 | 15700 | 18115 | 20530 | 22946 | 25361 |
| 10,5 | 7/14 8/13 9/12 | 13174 | 19029 | 24885 | 30740 | 36595 | 12680 | 15096 | 17511 | 19926 | 22342 | 24757 |
| 11 | 8/14 9/13 | - | 17566 | 23421 | 29276 | 35131 | 12077 | 14492 | 16907 | 19323 | 21738 | 24153 |
| 11,5 | 8/15 9/14 10/13 | - | 16102 | 21957 | 27812 | 33667 | 11473 | 13888 | 16303 | 18719 | 21134 | 23549 |
| 12 | 9/15 10/14 | - | 14638 | 20493 | 26348 | 32204 | 10869 | 13284 | 15700 | 18115 | 20530 | 22946 |
| 12,5 | 9/16 10/15 11/14 | - | 13174 | 19029 | 24885 | 30740 | 10265 | 12680 | 15096 | 17511 | 19926 | 22342 |
| 13 | 10/16 11/15 | - | 11710 | 17566 | 23421 | 29276 | 9661 | 12077 | 14492 | 16907 | 19323 | 21738 |
| 13,5 | 10/17 11/16 12/15 | - | 10247 | 16102 | 21957 | 27812 | 9057 | 11473 | 13888 | 16303 | 18719 | 21134 |
| 14 | 11/17 12/16 | - | 8783 | 14638 | 20493 | 26348 | 8454 | 10869 | 13284 | 15700 | 18115 | 20530 |
| 14,5 | 11/18 12/17 13/16 | - | - | 13174 | 19029 | 24885 | 7850 | 10265 | 12680 | 15096 | 17511 | 19926 |
| 15 | 12/18 13/17 | - | - | 11710 | 17566 | 23421 | 7246 | 9661 | 12077 | 14492 | 16907 | 19323 |
| 15,5 | 12/19 13/18 | - | - | 10247 | 16102 | 21957 | 6642 | 9057 | 11473 | 13888 | 16303 | 18719 |
| 16 | 13/19 | - | - | 8783 | 14638 | 20493 | 6038 | 8454 | 10869 | 13284 | 15700 | 18115 |
| 16,5 | 13/20 | - | - | 7319 | 13174 | 19029 | 5434 | 7850 | 10265 | 12680 | 15096 | 17511 |

**COOLING CAPACITY MODEL FCC 60 AT NOMINAL SPEED (MAXIMUM SPEED)
4 PIPE INSTALLATION (INDICATED VALUES CONCERN 4R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) Entering air temperature wet bulb (°C) | | | | | SENSIBLE COOLING CAPACITY (W) Entering air temperature dry bulb (°C) | | | | | |
|------------------------------------|--|--|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|
| | | 15 | 17 | 19 | 21 | 23 | 21 | 23 | 25 | 27 | 29 | 31 |
| | | 6,5 | 5/8 | 22358 | 27619 | 32880 | 38141 | 43401 | 16728 | 19035 | 21342 | 23650 |
| 7 | 5/9 | 21043 | 26304 | 31565 | 36825 | 42086 | 16151 | 18458 | 20765 | 23073 | 25380 | 27687 |
| 7,5 | 5/10 6/9 | 19728 | 24989 | 30250 | 35510 | 40771 | 15574 | 17881 | 20189 | 22496 | 24803 | 27110 |
| 8 | 5/11 6/10 | 18413 | 23674 | 28934 | 34195 | 39456 | 14997 | 17305 | 19612 | 21919 | 24226 | 26534 |
| 8,5 | 5/12 6/11 7/10 | 17098 | 22358 | 27619 | 32880 | 38141 | 14420 | 16728 | 19035 | 21342 | 23650 | 25957 |
| 9 | 6/12 7/11 | 15782 | 21043 | 26304 | 31565 | 36825 | 13844 | 16151 | 18458 | 20765 | 23073 | 25380 |
| 9,5 | 6/13 7/12 8/11 | 14467 | 19728 | 24989 | 30250 | 35510 | 13267 | 15574 | 17881 | 20189 | 22496 | 24803 |
| 10 | 7/13 8/12 | 13152 | 18413 | 23674 | 28934 | 34195 | 12690 | 14997 | 17305 | 19612 | 21919 | 24226 |
| 10,5 | 7/14 8/13 9/12 | 11837 | 17098 | 22358 | 27619 | 32880 | 12113 | 14420 | 16728 | 19035 | 21342 | 23650 |
| 11 | 8/14 9/13 | - | 15782 | 21043 | 26304 | 31565 | 11536 | 13844 | 16151 | 18458 | 20765 | 23073 |
| 11,5 | 8/15 9/14 10/13 | - | 14467 | 19728 | 24989 | 30250 | 10960 | 13267 | 15574 | 17881 | 20189 | 22496 |
| 12 | 9/15 10/14 | - | 13152 | 18413 | 23674 | 28934 | 10383 | 12690 | 14997 | 17305 | 19612 | 21919 |
| 12,5 | 9/16 10/15 11/14 | - | 11837 | 17098 | 22358 | 27619 | 9806 | 12113 | 14420 | 16728 | 19035 | 21342 |
| 13 | 10/16 11/15 | - | 10522 | 15782 | 21043 | 26304 | 9229 | 11536 | 13844 | 16151 | 18458 | 20765 |
| 13,5 | 10/17 11/16 12/15 | - | 9206 | 14467 | 19728 | 24989 | 8652 | 10960 | 13267 | 15574 | 17881 | 20189 |
| 14 | 11/17 12/16 | - | 7891 | 13152 | 18413 | 23674 | 8075 | 10383 | 12690 | 14997 | 17305 | 19612 |
| 14,5 | 11/18 12/17 13/16 | - | - | 11837 | 17098 | 22358 | 7499 | 9806 | 12113 | 14420 | 16728 | 19035 |
| 15 | 12/18 13/17 | - | - | 10522 | 15782 | 21043 | 6922 | 9229 | 11536 | 13844 | 16151 | 18458 |
| 15,5 | 12/19 13/18 | - | - | 9206 | 14467 | 19728 | 6345 | 8652 | 10960 | 13267 | 15574 | 17881 |
| 16 | 13/19 | - | - | 7891 | 13152 | 18413 | 5768 | 8075 | 10383 | 12690 | 14997 | 17305 |
| 16,5 | 13/20 | - | - | 6576 | 11837 | 17098 | 5191 | 7499 | 9806 | 12113 | 14420 | 16728 |

NOTE: Marked cooling capacities concern the catalogue nominal values (water 9/12°C – air 27°C db;19°C wb).
NOTE: Values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.
If sensible cooling capacity is higher than total cooling capacity consider total cooling capacity = sensible capacity, without dehumidification condition.

HEATING CAPACITY MODEL **FCC 60** AT NOMINAL SPEEDS (MAXIMUM SPEED)

| Water entering temperature (°C) | Δ water temperature (°C) | HEATING CAPACITY, 2 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 4R COIL | | | | | HEATING CAPACITY, 4 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 2R COIL | | | | |
|---------------------------------|--------------------------|---|-------|-------|-------|-------|---|-------|-------|-------|-------|
| | | Entering air temperature (°C) | | | | | Entering air temperature (°C) | | | | |
| | | 16 | 18 | 20 | 22 | 24 | 16 | 18 | 20 | 22 | 24 |
| 70 | 2,5 | 63161 | 60766 | 58371 | 55976 | 53582 | 45519 | 43793 | 42067 | 40341 | 38615 |
| | 5 | 61664 | 59269 | 56874 | 54480 | 52085 | 44440 | 42714 | 40988 | 39262 | 37537 |
| | 7,5 | 60167 | 57772 | 55378 | 52983 | 50588 | 43361 | 41635 | 39910 | 38184 | 36458 |
| | 10 | 58670 | 56276 | 53881 | 51486 | 49092 | 42283 | 40557 | 38831 | 37105 | 35379 |
| | 12,5 | 57174 | 54779 | 52384 | 49990 | 47595 | 41204 | 39478 | 37752 | 36027 | 34301 |
| 65 | 2,5 | 57174 | 54779 | 52384 | 49990 | 47595 | 41204 | 39478 | 37752 | 36027 | 34301 |
| | 5 | 55677 | 53282 | 50888 | 48493 | 46098 | 40125 | 38400 | 36674 | 34948 | 33222 |
| | 7,5 | 54180 | 51786 | 49391 | 46996 | 44602 | 39047 | 37321 | 35595 | 33869 | 32143 |
| | 10 | 52684 | 50289 | 47894 | 45500 | 43105 | 37968 | 36242 | 34516 | 32791 | 31065 |
| | 12,5 | 51187 | 48792 | 46398 | 44003 | 41608 | 36889 | 35164 | 33438 | 31712 | 29986 |
| 60 | 2,5 | 51187 | 48792 | 46398 | 44003 | 41608 | 36889 | 35164 | 33438 | 31712 | 29986 |
| | 5 | 49690 | 47296 | 44901 | 42506 | 40111 | 35811 | 34085 | 32359 | 30633 | 28908 |
| | 7,5 | 48194 | 45799 | 43404 | 41009 | 38615 | 34732 | 33006 | 31281 | 29555 | 27829 |
| | 10 | 46697 | 44302 | 41907 | 39513 | 37118 | 33654 | 31928 | 30202 | 28476 | 26750 |
| | 12,5 | 45200 | 42805 | 40411 | 38016 | 35621 | 32575 | 30849 | 29123 | 27397 | 25672 |
| 55 | 2,5 | 45200 | 42805 | 40411 | 38016 | 35621 | 32575 | 30849 | 29123 | 27397 | 25672 |
| | 5 | 43703 | 41309 | 38914 | 36519 | 34125 | 31496 | 29770 | 28045 | 26319 | 24593 |
| | 7,5 | 42207 | 39812 | 37417 | 35023 | 32628 | 30418 | 28692 | 26966 | 25240 | 23514 |
| | 10 | 40710 | 38315 | 35921 | 33526 | 31131 | 29339 | 27613 | 25887 | 24162 | 22436 |
| | 12,5 | 39213 | 36819 | 34424 | 32029 | 29635 | 28260 | 26535 | 24809 | 23083 | 21357 |
| 50 | 2,5 | 39213 | 36819 | 34424 | 32029 | 29635 | 28260 | 26535 | 24809 | 23083 | 21357 |
| | 5 | 37717 | 35322 | 32927 | 30533 | 28138 | 27182 | 25456 | 23730 | 22004 | 20278 |
| | 7,5 | 36220 | 33825 | 31431 | 29036 | 26641 | 26103 | 24377 | 22651 | 20926 | 19200 |
| | 10 | 34723 | 32329 | 29934 | 27539 | 25144 | 25024 | 23299 | 21573 | 19847 | 18121 |
| | 12,5 | 33227 | 30832 | 28437 | 26042 | 23648 | 23946 | 22220 | 20494 | 18768 | 17042 |
| 45 | 2,5 | 33227 | 30832 | 28437 | 26042 | 23648 | 23946 | 22220 | 20494 | 18768 | 17042 |
| | 5 | 31730 | 29335 | 26941 | 24546 | 22151 | 22867 | 21141 | 19416 | 17690 | 15964 |
| | 7,5 | 30233 | 27839 | 25444 | 23049 | 20654 | 21789 | 20063 | 18337 | 16611 | 14885 |
| | 10 | 28737 | 26342 | 23947 | 21552 | 19158 | 20710 | 18984 | 17258 | 15532 | 13807 |
| | 12,5 | 27240 | 24845 | 22450 | 20056 | 17661 | 19631 | 17905 | 16180 | 14454 | 12728 |
| 40 | 2,5 | 27240 | 24845 | 22450 | 20056 | 17661 | 19631 | 17905 | 16180 | 14454 | 12728 |
| | 5 | 25743 | 23348 | 20954 | 18559 | 16164 | 18553 | 16827 | 15101 | 13375 | 11649 |
| | 7,5 | 24246 | 21852 | 19457 | 17062 | 14668 | 17474 | 15748 | 14022 | 12296 | 10571 |
| | 10 | 22750 | 20355 | 17960 | 15566 | 13171 | 16395 | 14669 | 12944 | 11218 | 9492 |
| | 12,5 | 21253 | 18858 | 16464 | 14069 | 11674 | 15317 | 13591 | 11865 | 10139 | 8413 |

NOTE: Marked heating capacities for 4 pipe installation concern nominal values to the catalogue (water 70/60°C – air 20°C).
 NOTE: Marked heating capacities for 2 pipe installation concern values next to the catalogue nominal values (catalogue conditions: water 50°C – water flow as for cooling - air 20°C. schedule conditions: water 50° - ΔT water 7,5°C - Air 20°C).
 NOTE: values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.

**COOLING CAPACITY MODEL FCC 70 AT NOMINAL SPEED (MAXIMUM SPEED)
2 PIPE INSTALLATION (INDICATED VALUES CONCERN 4R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) | | | | |
|------------------------------------|--|--|-------|-------|-------|-------|
| | | Entering air temperature wet bulb (°C) | | | | |
| | | 15 | 17 | 19 | 21 | 23 |
| 6,5 | 5/8 | 45307 | 55968 | 66628 | 77289 | 87949 |
| 7 | 5/9 | 42642 | 53303 | 63963 | 74624 | 85284 |
| 7,5 | 5/10 6/9 | 39977 | 50638 | 61298 | 71959 | 82619 |
| 8 | 5/11 6/10 | 37312 | 47972 | 58633 | 69293 | 79954 |
| 8,5 | 5/12 6/11 7/10 | 34647 | 45307 | 55968 | 66628 | 77289 |
| 9 | 6/12 7/11 | 31982 | 42642 | 53303 | 63963 | 74624 |
| 9,5 | 6/13 7/12 8/11 | 29316 | 39977 | 50638 | 61298 | 71959 |
| 10 | 7/13 8/12 | 26651 | 37312 | 47972 | 58633 | 69293 |
| 10,5 | 7/14 8/13 9/12 | 23986 | 34647 | 45307 | 55968 | 66628 |
| 11 | 8/14 9/13 | - | 31982 | 42642 | 53303 | 63963 |
| 11,5 | 8/15 9/14 10/13 | - | 29316 | 39977 | 50638 | 61298 |
| 12 | 9/15 10/14 | - | 26651 | 37312 | 47972 | 58633 |
| 12,5 | 9/16 10/15 11/14 | - | 23986 | 34647 | 45307 | 55968 |
| 13 | 10/16 11/15 | - | 21321 | 31982 | 42642 | 53303 |
| 13,5 | 10/17 11/16 12/15 | - | 18656 | 29316 | 39977 | 50638 |
| 14 | 11/17 12/16 | - | 15991 | 26651 | 37312 | 47972 |
| 14,5 | 11/18 12/17 13/16 | - | - | 23986 | 34647 | 45307 |
| 15 | 12/18 13/17 | - | - | 21321 | 31982 | 42642 |
| 15,5 | 12/19 13/18 | - | - | 18656 | 29316 | 39977 |
| 16 | 13/19 | - | - | 15991 | 26651 | 37312 |
| 16,5 | 13/20 | - | - | 13326 | 23986 | 34647 |

| SENSIBLE COOLING CAPACITY (W) | | | | | |
|--|-------|-------|-------|-------|-------|
| Entering air temperature dry bulb (°C) | | | | | |
| 21 | 23 | 25 | 27 | 29 | 31 |
| 32732 | 37246 | 41761 | 46276 | 50791 | 55305 |
| 31603 | 36118 | 40632 | 45147 | 49662 | 54177 |
| 30474 | 34989 | 39504 | 44019 | 48533 | 53048 |
| 29346 | 33860 | 38375 | 42890 | 47405 | 51919 |
| 28217 | 32732 | 37246 | 41761 | 46276 | 50791 |
| 27088 | 31603 | 36118 | 40632 | 45147 | 49662 |
| 25960 | 30474 | 34989 | 39504 | 44019 | 48533 |
| 24831 | 29346 | 33860 | 38375 | 42890 | 47405 |
| 23702 | 28217 | 32732 | 37246 | 41761 | 46276 |
| 22574 | 27088 | 31603 | 36118 | 40632 | 45147 |
| 21445 | 25960 | 30474 | 34989 | 39504 | 44019 |
| 20316 | 24831 | 29346 | 33860 | 38375 | 42890 |
| 19188 | 23702 | 28217 | 32732 | 37246 | 41761 |
| 18059 | 22574 | 27088 | 31603 | 36118 | 40632 |
| 16930 | 21445 | 25960 | 30474 | 34989 | 39504 |
| 15802 | 20316 | 24831 | 29346 | 33860 | 38375 |
| 14673 | 19188 | 23702 | 28217 | 32732 | 37246 |
| 13544 | 18059 | 22574 | 27088 | 31603 | 36118 |
| 12415 | 16930 | 21445 | 25960 | 30474 | 34989 |
| 11287 | 15802 | 20316 | 24831 | 29346 | 33860 |
| 10158 | 14673 | 19188 | 23702 | 28217 | 32732 |

**COOLING CAPACITY MODEL FCC 70 AT NOMINAL SPEED (MAXIMUM SPEED)
4 PIPE INSTALLATION (INDICATED VALUES CONCERN 4R COIL)**

| Medium coil water temperature (°C) | Examples entering / leaving water temperature (°C) | TOTAL COOLING CAPACITY (W) | | | | |
|------------------------------------|--|--|-------|-------|-------|-------|
| | | Entering air temperature wet bulb (°C) | | | | |
| | | 15 | 17 | 19 | 21 | 23 |
| 6,5 | 5/8 | 40766 | 50359 | 59951 | 69543 | 79135 |
| 7 | 5/9 | 38368 | 47961 | 57553 | 67145 | 76737 |
| 7,5 | 5/10 6/9 | 35970 | 45563 | 55155 | 64747 | 74339 |
| 8 | 5/11 6/10 | 33572 | 43164 | 52757 | 62349 | 71941 |
| 8,5 | 5/12 6/11 7/10 | 31174 | 40766 | 50359 | 59951 | 69543 |
| 9 | 6/12 7/11 | 28776 | 38368 | 47961 | 57553 | 67145 |
| 9,5 | 6/13 7/12 8/11 | 26378 | 35970 | 45563 | 55155 | 64747 |
| 10 | 7/13 8/12 | 23980 | 33572 | 43164 | 52757 | 62349 |
| 10,5 | 7/14 8/13 9/12 | 21582 | 31174 | 40766 | 50359 | 59951 |
| 11 | 8/14 9/13 | - | 28776 | 38368 | 47961 | 57553 |
| 11,5 | 8/15 9/14 10/13 | - | 26378 | 35970 | 45563 | 55155 |
| 12 | 9/15 10/14 | - | 23980 | 33572 | 43164 | 52757 |
| 12,5 | 9/16 10/15 11/14 | - | 21582 | 31174 | 40766 | 50359 |
| 13 | 10/16 11/15 | - | 19184 | 28776 | 38368 | 47961 |
| 13,5 | 10/17 11/16 12/15 | - | 16786 | 26378 | 35970 | 45563 |
| 14 | 11/17 12/16 | - | 14388 | 23980 | 33572 | 43164 |
| 14,5 | 11/18 12/17 13/16 | - | - | 21582 | 31174 | 40766 |
| 15 | 12/18 13/17 | - | - | 19184 | 28776 | 38368 |
| 15,5 | 12/19 13/18 | - | - | 16786 | 26378 | 35970 |
| 16 | 13/19 | - | - | 14388 | 23980 | 33572 |
| 16,5 | 13/20 | - | - | 11990 | 21582 | 31174 |

| SENSIBLE COOLING CAPACITY (W) | | | | | |
|--|-------|-------|-------|-------|-------|
| Entering air temperature dry bulb (°C) | | | | | |
| 21 | 23 | 25 | 27 | 29 | 31 |
| 31314 | 35633 | 39952 | 44272 | 48591 | 52910 |
| 30234 | 34553 | 38873 | 43192 | 47511 | 51830 |
| 29154 | 33474 | 37793 | 42112 | 46431 | 50750 |
| 28075 | 32394 | 36713 | 41032 | 45351 | 49671 |
| 26995 | 31314 | 35633 | 39952 | 44272 | 48591 |
| 25915 | 30234 | 34553 | 38873 | 43192 | 47511 |
| 24835 | 29154 | 33474 | 37793 | 42112 | 46431 |
| 23755 | 28075 | 32394 | 36713 | 41032 | 45351 |
| 22676 | 26995 | 31314 | 35633 | 39952 | 44272 |
| 21596 | 25915 | 30234 | 34553 | 38873 | 43192 |
| 20516 | 24835 | 29154 | 33474 | 37793 | 42112 |
| 19436 | 23755 | 28075 | 32394 | 36713 | 41032 |
| 18357 | 22676 | 26995 | 31314 | 35633 | 39952 |
| 17277 | 21596 | 25915 | 30234 | 34553 | 38873 |
| 16197 | 20516 | 24835 | 29154 | 33474 | 37793 |
| 15117 | 19436 | 23755 | 28075 | 32394 | 36713 |
| 14037 | 18357 | 22676 | 26995 | 31314 | 35633 |
| 12958 | 17277 | 21596 | 25915 | 30234 | 34553 |
| 11878 | 16197 | 20516 | 24835 | 29154 | 33474 |
| 10798 | 15117 | 19436 | 23755 | 28075 | 32394 |
| 9718 | 14037 | 18357 | 22676 | 26995 | 31314 |

NOTE: Marked cooling capacities concern the catalogue nominal values (water 9/12°C – air 27°C db;19°C wb).
NOTE: Values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.
If sensible cooling capacity is higher than total cooling capacity consider total cooling capacity = sensible capacity, without dehumidification condition.

HEATING CAPACITY MODEL **FCC 70** AT NOMINAL SPEEDS (MAXIMUM SPEED)

| Water entering temperature (°C) | Δ water temperature (°C) | HEATING CAPACITY, 2 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 4R COIL | | | | | HEATING CAPACITY, 4 PIPE INSTALLATION (W) INDICATED VALUES CONCERN 2R COIL | | | | |
|---------------------------------|--------------------------|---|--------|--------|--------|-------|---|-------|-------|-------|-------|
| | | Entering air temperature (°C) | | | | | Entering air temperature (°C) | | | | |
| | | 16 | 18 | 20 | 22 | 24 | 16 | 18 | 20 | 22 | 24 |
| 70 | 2,5 | 117299 | 112851 | 108404 | 103957 | 99509 | 82286 | 79166 | 76046 | 72926 | 69806 |
| | 5 | 114519 | 110072 | 105624 | 101177 | 96730 | 80336 | 77216 | 74096 | 70976 | 67856 |
| | 7,5 | 111739 | 107292 | 102845 | 98397 | 93950 | 78386 | 75266 | 72146 | 69026 | 65906 |
| | 10 | 108960 | 104513 | 100065 | 95618 | 91171 | 76436 | 73316 | 70196 | 67076 | 63957 |
| | 12,5 | 106180 | 101733 | 97286 | 92838 | 88391 | 74486 | 71366 | 68246 | 65127 | 62007 |
| 65 | 2,5 | 106180 | 101733 | 97286 | 92838 | 88391 | 74486 | 71366 | 68246 | 65127 | 62007 |
| | 5 | 103401 | 98953 | 94506 | 90059 | 85611 | 72536 | 69416 | 66296 | 63177 | 60057 |
| | 7,5 | 100621 | 96174 | 91726 | 87279 | 82832 | 70586 | 67466 | 64347 | 61227 | 58107 |
| | 10 | 97842 | 93394 | 88947 | 84500 | 80052 | 68636 | 65516 | 62397 | 59277 | 56157 |
| 60 | 12,5 | 95062 | 90615 | 86167 | 81720 | 77273 | 66686 | 63567 | 60447 | 57327 | 54207 |
| | 2,5 | 95062 | 90615 | 86167 | 81720 | 77273 | 66686 | 63567 | 60447 | 57327 | 54207 |
| | 5 | 92282 | 87835 | 83388 | 78940 | 74493 | 64737 | 61617 | 58497 | 55377 | 52257 |
| | 7,5 | 89503 | 85055 | 80608 | 76161 | 71713 | 62787 | 59667 | 56547 | 53427 | 50307 |
| | 10 | 86723 | 82276 | 77828 | 73381 | 68934 | 60837 | 57717 | 54597 | 51477 | 48357 |
| 55 | 12,5 | 83944 | 79496 | 75049 | 70602 | 66154 | 58887 | 55767 | 52647 | 49527 | 46408 |
| | 2,5 | 83944 | 79496 | 75049 | 70602 | 66154 | 58887 | 55767 | 52647 | 49527 | 46408 |
| | 5 | 81164 | 76717 | 72269 | 67822 | 63375 | 56937 | 53817 | 50697 | 47577 | 44458 |
| | 7,5 | 78384 | 73937 | 69490 | 65042 | 60595 | 54987 | 51867 | 48747 | 45628 | 42508 |
| | 10 | 75605 | 71157 | 66710 | 62263 | 57815 | 53037 | 49917 | 46797 | 43678 | 40558 |
| 50 | 12,5 | 72825 | 68378 | 63931 | 59483 | 55036 | 51087 | 47967 | 44848 | 41728 | 38608 |
| | 2,5 | 72825 | 68378 | 63931 | 59483 | 55036 | 51087 | 47967 | 44848 | 41728 | 38608 |
| | 5 | 70046 | 65598 | 61151 | 56704 | 52256 | 49137 | 46018 | 42898 | 39778 | 36658 |
| | 7,5 | 67266 | 62819 | 58371 | 53924 | 49477 | 47187 | 44068 | 40948 | 37828 | 34708 |
| | 10 | 64486 | 60039 | 55592 | 51144 | 46697 | 45238 | 42118 | 38998 | 35878 | 32758 |
| 45 | 12,5 | 61707 | 57260 | 52812 | 48365 | 43918 | 43288 | 40168 | 37048 | 33928 | 30808 |
| | 2,5 | 61707 | 57260 | 52812 | 48365 | 43918 | 43288 | 40168 | 37048 | 33928 | 30808 |
| | 5 | 58927 | 54480 | 50033 | 45585 | 41138 | 41338 | 38218 | 35098 | 31978 | 28858 |
| | 7,5 | 56148 | 51700 | 47253 | 42806 | 38358 | 39388 | 36268 | 33148 | 30028 | 26909 |
| | 10 | 53368 | 48921 | 44473 | 40026 | 35579 | 37438 | 34318 | 31198 | 28078 | 24959 |
| 40 | 12,5 | 50589 | 46141 | 41694 | 37246 | 32799 | 35488 | 32368 | 29248 | 26129 | 23009 |
| | 2,5 | 50589 | 46141 | 41694 | 37246 | 32799 | 35488 | 32368 | 29248 | 26129 | 23009 |
| | 5 | 47809 | 43362 | 38914 | 34467 | 30020 | 33538 | 30418 | 27299 | 24179 | 21059 |
| | 7,5 | 45029 | 40582 | 36135 | 31687 | 27240 | 31588 | 28468 | 25349 | 22229 | 19109 |
| | 10 | 42250 | 37802 | 33355 | 28908 | 24460 | 29638 | 26519 | 23399 | 20279 | 17159 |
| | 12,5 | 39470 | 35023 | 30575 | 26128 | 21681 | 27689 | 24569 | 21449 | 18329 | 15209 |

NOTE: Marked heating capacities for 4 pipe installation concern nominal values to the catalogue (water 70/60°C – air 20°C).
 NOTE: Marked heating capacities for 2 pipe installation concern values next to the catalogue nominal values (catalogue conditions: water 50°C – water flow as for cooling - air 20°C. schedule conditions: water 50° - ΔT water 7,5°C - Air 20°C).
 NOTE: values concern maximal nominal speed. For other speeds use the correction coefficients in the main technical data schedule.

