

Application guide

COANDAIR



- • • Providing indoor climate comfort



Summary

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Introduction

The 2 way cassette unit COANDAIR is a compact air conditioning terminal unit integrating fan(s), coils, and supply and return air diffusers. Particularly well adapted for air conditioning offices in the small and medium tertiary sector, the COANDAIR is available in three sizes, for conditioning rooms from 12 to 30 m²; they integrate perfectly with 600 x 600 or 600 x 1200 modular false ceilings.

Careful attention to the design of the COANDAIR allows it to meet the most severe comfort standards.

The COANDAIR has been designed for installation in the room to be air conditioned, near to partitions adjacent to corridors or close to the centre of the building for open space installations, thus minimising the lengths of the water pipe work, electrical wiring and condensate evacuation installations.

The supply air diffuser design meets several important requirements: firstly it provides good air diffusion in all circumstances, meaning in both cooling and heating modes; this is made possible by to the special design of the supply outlets, the shape and dimensions of these allows a large quantity of ambient air to be induced by the coanda effect, this guarantees rapid mixing of the primary air and the air in the conditioned space which translates into the absence of the « cold shower » feeling or the stagnation of warm air at ceiling level ; secondly it provides for satisfactory conditioning of the whole ceiling surface due to the possibility of being able to orient each air outlet to the desired direction; and finally thirdly generated outlet noise is minimised due to the shaped profile of the outlet vanes.

The return air grill, located in the filter access door, has been designed large to reduce the air pressure drop across the air openings and consequently reduce the noise generated by the fan.

The fan motor assembly, with forward curved single or double scroll fan, is mounted on anti vibration mounts and has been generously sized for minimum noise generation; the choice of 5 rotation speeds allows for the closest adjustment of the required airflow to maintain the desired temperature conditions.

Le COANDAIR is available in all the configurations demanded by the market, 2 Pipe with Change/Over, 2 Pipe/2Wire, 4 Pipe and 4 Pipe/2Wire. The On/Off or proportional type water flow control valves associated with electronic controls offer a perfect control of the space temperature. The electric heaters used in the 2P/2W or 4P/2W application, are equipped as standard with a manual reset thermostat, reset by switching off the power, and a thermo fusible link.

Each unit is supplied with a minimum of a terminal block with a protective cover; This is generously designed and allows the optional housing of all the components necessary for the connection and electrical protection, and also for the mounting of a communicating electronic controller which with a link to the Building Management System allows the building manager to modify the operating parameters of the installation at any moment.

As an option the COANDAIR can be fitted with a fresh airflow regulator and spigot to provide fresh air renewal as required by legislation.

A raised option is available on request to increase the condensate evacuation tube height when there is insufficient drain evacuation head or when the use of an evacuation pump is not permitted.

Physical and electrical data

The COANDAIR, has an overall height of 300 mm, is made from 10/10 mm galvanised steel casing, lined internally with 10mm polyurethane foam protected by a textile fibre film. (Fire class M1)

The unit is suspended using 4 suspension brackets incorporating rubber anti vibration mounts specially designed to support the weight of the unit.

The diffuser and return air assembly, with dimensions suitable for tee mounting in 600 x 600 or 600 x 1200 module false ceilings, is manufactured from 10/10 mm sheet steel treated and painted with a paint corresponding to an RAL 9010 colour.

Main components

Fan motor assembly

The COANDAIR unit is equipped with a centrifugal forward curved fan with single or double wheel; depending on the unit size, Size 600, 900 or 1200, the fan supplies nominal airflows of 93 l/sec (335 m³/h) or 166 l/sec (600 m³/h) respectively. The multi wound motor has 5 speeds of which 3 are factory wired to a terminal block located in the controls housing.



Filter and access



The COANDAIR is available as standard with a G3 efficiency throwaway filter, 15 mm thick, which is accessible from the underside of the unit.

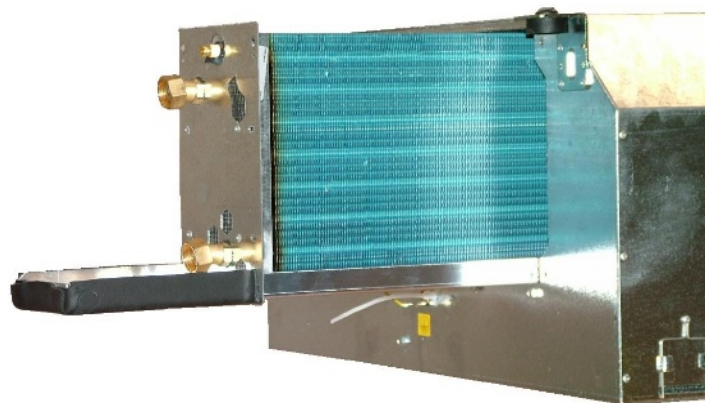
Fire classification M.

Water coil

The coil offers a maximum heat exchanger surface for a minimum of space; available for 2 pipe or 4 pipe applications, the finned block is common offering an increased heat exchanger surface area.

The aluminium fins are mechanically bonded to 3/8" diameter copper tubes. The inlet and outlet connections are each provided with a 1/2" G internal diameter threaded nut to facilitate the connection of the flat seal valve connection. The knurled purge screw (or screws) is accessible from the outside and may be opened with pliers.

The coils are available in the following configurations: 3 or 4 row for 2 Pipe/change over or 2Pipe/2Wire applications and 3 row Cooling plus 1 row Heating for 4 pipe and 4 Pipe/2 Wire applications.



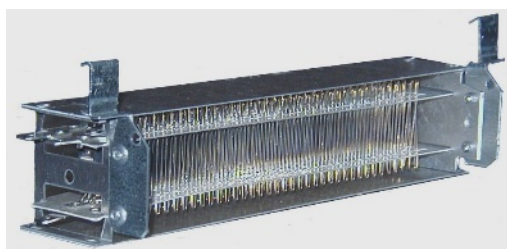
Condensate drain pan

The condensate drain pan is monobloc and common with the coil and valves on the exterior of the unit, to avoid the risk of any possible leaks. The external part is insulated on the inside face with 3 mm PCE foam, to prevent any risk of condensation

The evacuation tube with an external diameter of 16 mm allows either direct connections to pipe work or the connection of a condensate pump available as an option.

Electric heater

The electric heater is of the bare wire resistive type, installed in the fan discharge air stream assuring optimum coverage and maximum heat exchange. Available as standard with a capacity of 800 or 1500 W, the 230 V/1/50 Hz power supply is provided directly from the regulator or via a relay and a fuse. The heater is provided with 2 levels of safety:



A manual reset thermostat, which is reset by switching off the power, and has a trigger temperature of 75°C; whilst this is off a PTC coefficient resistance with a separate supply prevents the automatic reset of the coil whilst it remains under voltage.

This safety thermostat protects the unit from over heating due to the absence of airflow.

A fusible link, rated at temperature of 152 °C (± 16 °C). Replacement of heater assembly will be required if this blows, after establishing the cause of the fault.

Fresh air connection

COANDAIR units can be provided with a fresh air connection spigot as an option allowing each space to be supplied with fresh air as required by regulations.

This spigot can be fitted with a constant volume fresh air controller to set the airflow to a predefined value. The air volume is precisely controlled for variations in the system duct pressure between 50 and 200 Pa.

The fresh air connection is located before the fan and heat exchanger coil. The external diameter of the connection spigot is either 99 mm or 124 mm depending upon the type of controller installed

The available controllers are:

Spigot external diameter 99 mm: 8.3 to 25l/s (30 to 90m³/h – 10 % / + 20 %)

Spigot external diameter 124 mm: 20.8 to 44.4l/s (60 to 160 m³/h –10 %/+ 20 %)

The airflow of the 124 mm diameter fresh air controller can be easily modified on site by repositioning the baffles inside the controller; an instruction label for this procedure is located on the unit close to the spigot.



Air Diffuser

The diffuser is made from a 10/10 mm electro-zinc galvanised steel plate, coated with a white (RAL 9010) baked polyester epoxy paint finish. Overall dimensions of 595 x 595, 595 x 895 and 595 x 1195 permit mounting on demountable false ceiling Tees.



The assembly of the diffuser plate and the base unit is achieved by simple clipping of the two locating lugs into spring clips; demounting is by turning the lugs a quarter turn using a screwdriver.

The supply section includes outlets with 4 slots made from white RAL 9010 polypropylene plastic; the patented shape of the raised outlets offers a maximum heat exchange surface for inducing ambient air. The orientation of each outlet may be adjusted by simple rotation, the limited number for each unit size, 20, 32 or 40 respectively for sizes 600, 900 or 1200, minimises the time required for any adjustment.

The return air section, composed of transversal slots, is located on the filter access door.

The filter replacement is by partial opening of the door towards the front of the diffuser, this offers good access whatever the arrangement of the unit; the door can be fully removed, by using a tool, for any maintenance operations on the fan motor assembly or electric heater.

Physical and electrical data

| VCD | | Size 600 | Size 900 | Size 1200 |
|--|--------------|--|------------------------------|------------------|
| Nominal air flow | L/sec (m3/h) | 124 (447) | 133 (480) | 166 (600) |
| Total cooling capacity (1) | kW | 2,5 | 3,01 | 4,13 |
| Sensible cooling capacity (1) | kW | 1,8 | 2,16 | 2,82 |
| Heating capacity | kW | 2,84 | 3,39 | 4,41 |
| Electrical supply | | single phase - 50Hz - 230 V+/- 10% | | |
| Fan: | | | forward curved, single wheel | |
| Air flow at max speed | L/sec (m3/h) | 142 (510) | 153 (550) | 208 (750) |
| Motor: | | | asynchronous type | 230V-1-50 |
| 4 pole with internal overload protection; permanent capacitor; winding insulation class B, varnish class F, IP20 | | | | |
| Maximum absorbed | W | 53 | 80 | 85 |
| Nominal current | A | 0,232 | 0,346 | 0,37 |
| Starting current | A | | | |
| Water coil: | | | | |
| 3/8" copper tubes, aluminium fins | | 3 row/2way | 3 row/3way | 3 row/3way |
| Water content | L | 0,939 | 1,432 | 1,932 |
| Operating pressure | kPa | 16 | 16 | 16 |
| Test pressure | kPa | 24 | 24 | 24 |
| Electric heater | | | | |
| "UDH" bare wire resistive type | | | | |
| Electrical supply | | single phase - 50Hz - 230 V+/- 10% | | |
| Protections | | manual reset thermostat; trigger temperature 75°C (reset by switching off the power) | | |
| | | thermo fusible link; breaks at 152°C | | |
| Power (+5%/-10%) not including fan | W | 800 | 800 | 2000 |
| | | 1500 | 1600 | 3000 |
| Minimum air flow | Mini speed | V2 | V2 | V3 |
| | | V3 | V2 | V3 |
| Air filter | | | | |
| 95% efficiency (G3 following Standard EN 779), throwaway type, M1 fire rating, metal frame | | | | |
| Dimensions | mm | 450 x 207 | 750 x 207 | 1050 x 207 |
| Weight and Dimensions | | | | |
| Length x Width x Height | mm | 595 x 595 x 300 | 895 x 595 x 300 | 1195 x 595 x 300 |
| Weight | kg | 25 | 36 | 47 |

(1) Based on water entering temperature of 7 °C and a water temperature difference of 5 °C at nominal conditions, air at 27 °C dry bulb, 50 % relative humidity

(2) Based on water entering temperature of 50 °C and a water temperature difference of 5 °C at nominal conditions, air de 20 °C

Acoustical performance

| | Octave band | Speed 5 | | Speed 4 | | Speed 3 | | Speed 2 | | Speed 1 | |
|----------|-------------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|
| | | Lw | dBA | Lw | dBA | Lw | dBA | Lw | dBA | Lw | dBA |
| VCD 600 | 125 Hz | 51 | 53 | 49 | 50 | 41 | 39 | 37 | 35 | 33 | 31 |
| | 250 Hz | 54 | | 51 | | 43 | | 39 | | 35 | |
| | 500 Hz | 49 | | 47 | | 37 | | 33 | | 29 | |
| | 1 kHz | 49 | | 46 | | 34 | | 28 | | 24 | |
| | 2 kHz | 42 | | 40 | | 24 | | 16 | | 12 | |
| | 4 kHz | 34 | | 31 | | 17 | | 16 | | 12 | |
| VCD 900 | 125 Hz | 53 | 54 | 49 | 50 | 43 | 45 | 37 | 39 | 33 | 34 |
| | 250 Hz | 57 | | 53 | | 47 | | 41 | | 37 | |
| | 500 Hz | 51 | | 47 | | 41 | | 35 | | 31 | |
| | 1 kHz | 47 | | 43 | | 37 | | 31 | | 27 | |
| | 2 kHz | 45 | | 41 | | 35 | | 29 | | 25 | |
| | 4 kHz | 45 | | 41 | | 35 | | 29 | | 25 | |
| VCD 1200 | 125 Hz | 53 | 53 | 47 | 48 | 38 | 38 | 34 | 34 | 27 | 27 |
| | 250 Hz | 57 | | 51 | | 42 | | 38 | | 31 | |
| | 500 Hz | 50 | | 44 | | 35 | | 31 | | 24 | |
| | 1 kHz | 47 | | 41 | | 32 | | 28 | | 21 | |
| | 2 kHz | 43 | | 37 | | 28 | | 24 | | 17 | |
| | 4 kHz | 39 | | 33 | | 24 | | 20 | | 13 | |

Packing

COANDAIR units are packed on pallets in multiples of 10 unit, filmed wrapped; a maintenance and storage precautions notice is fixed to each pallet.

The pallet dimensions are as follows

| Length | Width | Height |
|--------|-------|--------|
| 150 | 120 | 150 |
| 800 | 120 | 150 |
| 125 | 150 | 150 |
| 120 | 800 | 150 |

Cooling Capacities

Terminology:

Pt : total power (W) ; **Ps** : sensible power (W) ; **Tsa** : air leaving temperature (°C) ; **De** : water flow rate (l/h) ;

Dp : water side pressure drop (KPa) ; **Dcon** : condensate quantity (l/h)

Size 600-3 row coil (2P/2W, 2P-C/O or 4P application)

| Entering Leaving water temperature | Fan speed | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|--|--|----------|-------|-------|----------|-------|-------|----------|-------|-------|-----------|-------|-------|-----------|-------|------|
| | Air flow L/sec (m3/h) | 51 (182) | | | 62 (225) | | | 91 (293) | | | 124 (447) | | | 142 (511) | | |
| | Air entering Temperature °C (50% Rh) | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 |
| 6/11 | Pt | 1450 | 1180 | 799 | 1700 | 1380 | 929 | 2060 | 1670 | 1110 | 2750 | 2220 | 1460 | 3000 | 2420 | 1580 |
| | Ps | 955 | 852 | 691 | 1130 | 1010 | 819 | 1390 | 1240 | 1010 | 1910 | 1710 | 1390 | 2100 | 1880 | 1530 |
| | Tsa | 11,1 | 10,9 | 10,7 | 11,7 | 11,5 | 11,1 | 12,6 | 12,2 | 11,7 | 14 | 13,5 | 12,7 | 14,5 | 13,9 | 13,1 |
| | De | 249 | 203 | 137 | 293 | 238 | 160 | 355 | 288 | 191 | 474 | 382 | 251 | 516 | 415 | 272 |
| | Dp eau | 5,64 | 3,9 | 1,91 | 7,55 | 5,18 | 2,51 | 10,7 | 7,3 | 3,49 | 18 | 12,2 | 5,71 | 21,1 | 14,2 | 6,62 |
| | Dcond | 0,716 | 0,481 | 0,16 | 0,825 | 0,543 | 0,164 | 0,972 | 0,625 | 0,158 | 1,22 | 0,749 | 0,117 | 1,3 | 0,783 | 0,09 |
| 6/12 | Pt | 1370 | 1090 | 696 | 1600 | 1270 | 804 | 1930 | 1530 | 955 | 2550 | 2010 | 1370 | 2780 | 2190 | 1510 |
| | Ps | 918 | 813 | 646 | 1090 | 962 | 765 | 1330 | 1180 | 939 | 1830 | 1620 | 1370 | 2010 | 1780 | 1510 |
| | Tsa | 11,7 | 11,5 | 11,4 | 12,3 | 12,1 | 11,8 | 13,2 | 12,8 | 12,4 | 14,6 | 14,1 | 12,8 | 15,1 | 14,5 | 13,2 |
| | De | 196 | 157 | 99,7 | 229 | 183 | 115 | 276 | 219 | 137 | 366 | 289 | 197 | 398 | 313 | 216 |
| | Dp eau | 3,63 | 2,42 | 1,07 | 4,82 | 3,2 | 1,39 | 6,77 | 4,45 | 1,9 | 11,3 | 7,33 | 3,66 | 13,1 | 8,49 | 4,34 |
| | Dcond | 0,649 | 0,408 | 0,077 | 0,74 | 0,455 | 0,062 | 0,861 | 0,51 | 0,031 | 1,05 | 0,579 | 0 | 1,11 | 0,593 | 0 |
| 7/12 | Pt | 1330 | 1060 | 667 | 1560 | 1240 | 773 | 1880 | 1490 | 981 | 2500 | 1970 | 1340 | 2720 | 2140 | 1470 |
| | Ps | 901 | 797 | 633 | 1070 | 945 | 751 | 1310 | 1160 | 981 | 1800 | 1600 | 1340 | 1990 | 1760 | 1470 |
| | Tsa | 12 | 11,8 | 11,6 | 12,6 | 12,3 | 12,0 | 13,4 | 13,0 | 12,0 | 14,8 | 14,2 | 13,1 | 15,2 | 14,6 | 13,4 |
| | De | 229 | 182 | 115 | 268 | 213 | 133 | 324 | 256 | 169 | 430 | 338 | 230 | 468 | 367 | 253 |
| | Dp eau | 4,79 | 3,17 | 1,37 | 6,38 | 4,2 | 1,79 | 9,01 | 5,88 | 2,76 | 15,1 | 9,75 | 4,85 | 17,6 | 11,3 | 5,77 |
| | Dcond | 0,619 | 0,381 | 0,054 | 0,706 | 0,424 | 0,038 | 0,823 | 0,475 | 0 | 1,01 | 0,541 | 0 | 1,07 | 0,552 | 0 |
| 7/13 | Pt | 1240 | 962 | 649 | 1450 | 1120 | 759 | 1740 | 1340 | 927 | 2290 | 1750 | 1260 | 2490 | 1900 | 1380 |
| | Ps | 863 | 756 | 649 | 1020 | 896 | 759 | 1250 | 110 | 927 | 1720 | 1510 | 1260 | 1890 | 1660 | 1380 |
| | Tsa | 12,6 | 12,5 | 11,4 | 13,2 | 13 | 11,9 | 14 | 13,7 | 12,6 | 15,3 | 14,8 | 13,6 | 15,8 | 15,2 | 13,9 |
| | De | 178 | 138 | 92,9 | 207 | 160 | 109 | 249 | 192 | 133 | 329 | 251 | 180 | 357 | 272 | 198 |
| | Dp eau | 3,03 | 1,91 | 0,936 | 4 | 2,51 | 1,24 | 5,59 | 3,47 | 1,79 | 9,23 | 5,65 | 3,11 | 10,7 | 6,53 | 3,68 |
| | Dcond | 0,545 | 0,301 | 0 | 0,615 | 0,325 | 0 | 0,704 | 0,35 | 0 | 0,835 | 0,357 | 0 | 0,869 | 0,347 | 0 |
| 8/13 | Pt | 1200 | 929 | 626 | 1410 | 1080 | 734 | 1700 | 1300 | 899 | 2240 | 1700 | 1230 | 2440 | 1850 | 1350 |
| | Ps | 848 | 742 | 626 | 1010 | 880 | 734 | 1240 | 1080 | 899 | 1700 | 1490 | 1230 | 1870 | 1640 | 1350 |
| | Tsa | 12,9 | 12,7 | 11,7 | 13,4 | 13,2 | 12,3 | 14,2 | 13,8 | 12,8 | 15,5 | 14,9 | 13,8 | 15,9 | 15,3 | 14,1 |
| | De | 207 | 160 | 108 | 242 | 186 | 126 | 292 | 223 | 155 | 386 | 293 | 211 | 419 | 318 | 232 |
| | Dp eau | 3,97 | 2,49 | 1,22 | 5,27 | 3,28 | 1,62 | 7,41 | 4,56 | 2,35 | 12,3 | 7,47 | 4,11 | 14,3 | 8,66 | 4,88 |
| | Dcond | 0,514 | 0,273 | 0 | 0,581 | 0,295 | 0 | 0,666 | 0,315 | 0 | 0,793 | 0,317 | 0 | 0,825 | 0,307 | 0 |
| 10/15 | Pt | 931 | 644 | 515 | 1080 | 799 | 602 | 1300 | 981 | 735 | 1700 | 1340 | 997 | 1840 | 1480 | 1090 |
| | Ps | 738 | 627 | 515 | 876 | 799 | 602 | 1080 | 981 | 735 | 1490 | 1340 | 997 | 1640 | 1480 | 1090 |
| | Tsa | 14,7 | 14,6 | 13,6 | 15,2 | 14,3 | 14,0 | 15,8 | 14,9 | 14,5 | 16,9 | 16,0 | 15,3 | 17,3 | 16,3 | 15,6 |
| | De | 160 | 111 | 88,5 | 186 | 137 | 103 | 223 | 169 | 126 | 291 | 230 | 171 | 316 | 254 | 188 |
| | Dp eau | 2,47 | 1,27 | 0,844 | 3,25 | 1,87 | 1,12 | 4,5 | 2,71 | 1,5 | 7,32 | 4,78 | 2,8 | 8,46 | 5,69 | 3,31 |
| | Dcond | 0,282 | 0,03 | 0 | 0,302 | 0 | 0 | 0,319 | 0 | 0 | 0,31 | 0 | 0 | 0,293 | 0 | 0 |

Size 900-3 row coil (2P/2W, 2P-C/O or 4P application)

| Entering Leaving water temperature | Fan speed | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|--|--|----------|-------|-------|------------|-------|-------|----------|-------|-------|-----------|-------|-------|-----------|-------|-------|
| | Air flow L/sec (m3/h) | 89 (210) | | | 66,5 (240) | | | 97 (350) | | | 133 (480) | | | 153 (550) | | |
| | Air entering Temperature °C (50% Rh) | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 |
| 6/11 | Pt | 1810 | 1480 | 1020 | 2010 | 1650 | 1120 | 2690 | 2190 | 1480 | 3390 | 2750 | 1840 | 3730 | 3020 | 2010 |
| | Ps | 1170 | 1050 | 851 | 1310 | 1170 | 951 | 1780 | 1590 | 1290 | 2280 | 2040 | 1660 | 2530 | 2260 | 1840 |
| | Tsa | 10,1 | 10,0 | 9,9 | 10,4 | 10,3 | 10,2 | 11,5 | 11,3 | 11,0 | 12,6 | 12,2 | 11,7 | 13 | 12,6 | 12,0 |
| | De | 311 | 255 | 175 | 346 | 283 | 193 | 463 | 377 | 254 | 583 | 473 | 316 | 642 | 520 | 346 |
| | Dp eau | 4,02 | 2,8 | 1,41 | 4,89 | 3,39 | 1,69 | 8,31 | 5,72 | 2,79 | 12,7 | 8,65 | 4,15 | 15,1 | 10,3 | 4,89 |
| | Dcond | 0,918 | 0,632 | 0,244 | 1,01 | 0,692 | 0,257 | 1,31 | 0,874 | 0,279 | 1,6 | 1,04 | 0,276 | 1,73 | 1,11 | 0,265 |
| 6/12 | Pt | 1720 | 1380 | 899 | 1910 | 1530 | 990 | 2530 | 2030 | 1290 | 3180 | 2530 | 1590 | 3490 | 2770 | 1730 |
| | Ps | 1130 | 1000 | 798 | 1260 | 1120 | 891 | 1710 | 1520 | 1210 | 2190 | 1940 | 1550 | 2430 | 2150 | 1720 |
| | Tsa | 10,6 | 10,6 | 10,6 | 11 | 10,9 | 10,9 | 12,1 | 11,9 | 11,7 | 13,2 | 12,8 | 12,4 | 13,6 | 13,2 | 12,7 |
| | De | 246 | 198 | 129 | 273 | 220 | 142 | 363 | 290 | 184 | 455 | 362 | 227 | 499 | 396 | 248 |
| | Dp eau | 2,62 | 1,77 | 0,805 | 3,17 | 2,13 | 0,96 | 5,32 | 3,54 | 1,55 | 8,03 | 5,29 | 2,26 | 9,52 | 6,24 | 2,65 |
| | Dcond | 0,847 | 0,555 | 0,151 | 0,929 | 0,602 | 0,149 | 1,19 | 0,739 | 0,154 | 1,43 | 0,852 | 0,07 | 1,53 | 0,899 | 0,045 |
| 7/12 | Pt | 1660 | 1330 | 857 | 1850 | 1480 | 946 | 2470 | 1960 | 1240 | 3100 | 2450 | 1530 | 3400 | 2690 | 1780 |
| | Ps | 1110 | 980 | 780 | 1240 | 1100 | 871 | 1680 | 1490 | 1180 | 2160 | 1910 | 1520 | 2390 | 2120 | 1780 |
| | Tsa | 11 | 10,9 | 10,9 | 11,3 | 11,2 | 11,2 | 12,4 | 12,2 | 11,9 | 13,4 | 13,0 | 12,5 | 13,8 | 13,4 | 12,3 |
| | De | 286 | 229 | 147 | 318 | 254 | 163 | 424 | 337 | 212 | 533 | 422 | 263 | 585 | 463 | 307 |
| | Dp eau | 3,43 | 2,3 | 1,03 | 4,16 | 2,78 | 1,23 | 7,04 | 4,64 | 2 | 10,7 | 6,98 | 2,94 | 12,7 | 8,26 | 3,9 |
| | Dcond | 0,804 | 0,515 | 0,117 | 0,882 | 0,559 | 0,114 | 1,13 | 0,687 | 0,082 | 1,36 | 0,794 | 0,021 | 1,46 | 0,835 | 0 |
| 7/13 | Pt | 1560 | 1230 | 722 | 1740 | 1360 | 894 | 2300 | 1780 | 120 | 2870 | 2210 | 1520 | 3150 | 2420 | 1690 |
| | Ps | 1060 | 933 | 722 | 1190 | 1040 | 894 | 1610 | 1410 | 1200 | 2060 | 1810 | 1520 | 2280 | 2000 | 1690 |
| | Tsa | 11,6 | 11,6 | 11,7 | 12 | 11,9 | 10,9 | 13 | 12,8 | 11,8 | 14 | 13,6 | 12,5 | 14,4 | 14 | 12,8 |
| | De | 224 | 176 | 103 | 249 | 194 | 128 | 329 | 255 | 172 | 411 | 317 | 218 | 451 | 346 | 242 |
| | Dp eau | 2,2 | 1,41 | 0,537 | 2,65 | 1,69 | 0,793 | 4,43 | 2,78 | 1,35 | 6,64 | 4,13 | 2,1 | 7,85 | 4,86 | 2,52 |
| | Dcond | 0,724 | 0,428 | 0 | 0,79 | 0,458 | 0 | 0,993 | 0,539 | 0 | 1,17 | 0,593 | 0 | 1,25 | 0,609 | 0 |
| 8/13 | Pt | 1510 | 1180 | 769 | 1680 | 1300 | 861 | 2230 | 1720 | 1160 | 2790 | 2140 | 1480 | 3060 | 2340 | 1640 |
| | Ps | 1040 | 912 | 769 | 1160 | 1020 | 861 | 1580 | 1390 | 1160 | 2030 | 1780 | 1480 | 2250 | 1980 | 1640 |
| | Tsa | 12 | 11,9 | 11,1 | 12,3 | 12,2 | 11,3 | 13,3 | 13,1 | 12,1 | 14,2 | 13,8 | 12,8 | 14,6 | 14,2 | 13,1 |
| | De | 260 | 202 | 132 | 288 | 224 | 148 | 383 | 296 | 199 | 480 | 368 | 254 | 527 | 403 | 281 |
| | Dp eau | 2,87 | 1,82 | 0,839 | 3,47 | 2,19 | 1,03 | 5,83 | 3,63 | 1,77 | 8,79 | 5,41 | 2,75 | 10,4 | 6,39 | 3,31 |
| | Dcond | 0,68 | 0,387 | 0 | 0,743 | 0,415 | 0 | 0,935 | 0,487 | 0 | 1,1 | 0,533 | 0 | 1,18 | 0,544 | 0 |
| 10/15 | Pt | 1180 | 832 | 635 | 1310 | 916 | 710 | 1720 | 1190 | 950 | 2140 | 1610 | 1210 | 2340 | 1780 | 1340 |
| | Ps | 906 | 770 | 635 | 1010 | 861 | 710 | 1380 | 1170 | 950 | 1770 | 1610 | 1210 | 1970 | 1780 | 1340 |
| | Tsa | 13,9 | 13,9 | 13,0 | 14,2 | 14,2 | 13,2 | 15 | 14,9 | 13,9 | 15,8 | 14,9 | 14,5 | 16,2 | 15,2 | 14,7 |
| | De | 203 | 143 | 109 | 225 | 158 | 122 | 296 | 205 | 163 | 367 | 277 | 208 | 402 | 307 | 230 |
| | Dp eau | 1,82 | 0,956 | 0,585 | 2,18 | 1,14 | 0,716 | 3,6 | 1,84 | 1,22 | 5,34 | 3,18 | 1,89 | 6,29 | 3,84 | 2,26 |
| | Dcond | 0,403 | 0,095 | 0 | 0,429 | 0,086 | 0 | 0,499 | 0,033 | 0 | 0,539 | 0 | 0 | 0,547 | 0 | 0 |

Size 1200- 3 row coil (2P/2W, 2P-C/O or 4P application)

| Entering Leaving water temperature | Fan speed Air flow L/sec (m3/h) Air entering Temperature °C (50% Rh) | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|--|---|----------|-------|-------|----------|-------|-------|-----------|-------|-------|-------------|-------|-------|-----------|-------|-------|
| | | 61 (220) | | | 78 (280) | | | 111 (400) | | | 166,5 (600) | | | 208 (750) | | |
| | | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 |
| 6/11 | Pt | 2040 | 1690 | 1180 | 2490 | 2050 | 1430 | 3310 | 2720 | 1880 | 4510 | 3680 | 2510 | 5290 | 4310 | 2930 |
| | Ps | 1300 | 1160 | 953 | 1600 | 1430 | 1170 | 2160 | 1930 | 1570 | 2980 | 2670 | 2180 | 3540 | 3170 | 2590 |
| | Tsa | 9,06 | 9,0 | 9,1 | 9,65 | 9,6 | 9,5 | 10,6 | 10,5 | 10,2 | 11,9 | 11,6 | 11,2 | 12,7 | 12,3 | 11,7 |
| | De | 350 | 290 | 203 | 428 | 353 | 246 | 570 | 468 | 323 | 775 | 633 | 432 | 909 | 742 | 503 |
| | Dp eau | 6,19 | 4,4 | 2,31 | 8,93 | 6,3 | 3,26 | 15 | 10,5 | 5,35 | 26,3 | 18,2 | 9,09 | 35,3 | 24,3 | 12 |
| | Dcond | 1,06 | 0,756 | 0,336 | 1,28 | 0,902 | 0,382 | 1,67 | 1,15 | 0,448 | 2,2 | 1,48 | 0,496 | 2,52 | 1,66 | 0,504 |
| 6/12 | Pt | 1960 | 1600 | 1070 | 2380 | 1940 | 1290 | 3150 | 2550 | 1670 | 4260 | 3430 | 2220 | 4980 | 4000 | 2570 |
| | Ps | 1260 | 1120 | 902 | 1550 | 1380 | 1110 | 2080 | 1850 | 1480 | 2870 | 2550 | 2050 | 3410 | 3030 | 2430 |
| | Tsa | 9,57 | 9,59 | 9,75 | 10,2 | 10,1 | 10,2 | 11,2 | 11 | 10,9 | 12,5 | 12,2 | 11,8 | 13,2 | 12,8 | 12,3 |
| | De | 280 | 229 | 154 | 341 | 278 | 185 | 452 | 366 | 240 | 610 | 491 | 318 | 714 | 572 | 368 |
| | Dp eau | 4,12 | 2,86 | 1,38 | 5,9 | 4,06 | 1,93 | 9,84 | 6,69 | 3,11 | 17 | 11,4 | 5,18 | 22,6 | 15,1 | 6,76 |
| | Dcond | 1 | 0,687 | 0,251 | 1,2 | 0,812 | 0,272 | 1,55 | 1,02 | 0,285 | 2 | 1,27 | 0,259 | 2,28 | 1,41 | 0,215 |
| 7/12 | Pt | 1880 | 1530 | 1010 | 2130 | 1860 | 1220 | 3050 | 2450 | 1590 | 4130 | 3300 | 2110 | 4840 | 3860 | 2450 |
| | Ps | 1230 | 1090 | 875 | 1510 | 1340 | 1080 | 2040 | 1810 | 1450 | 2820 | 2500 | 2000 | 3350 | 2970 | 2380 |
| | Tsa | 10 | 10,0 | 10,1 | 10,6 | 10,5 | 10,5 | 11,5 | 11,4 | 11,2 | 12,7 | 12,4 | 12,0 | 13,4 | 13,1 | 12,5 |
| | De | 323 | 263 | 174 | 395 | 319 | 210 | 524 | 422 | 273 | 710 | 568 | 363 | 882 | 664 | 421 |
| | Dp eau | 5,34 | 3,66 | 1,73 | 7,67 | 5,22 | 2,43 | 12,8 | 8,65 | 3,93 | 22,4 | 14,9 | 6,6 | 29,8 | 19,8 | 8,64 |
| | Dcond | 0,943 | 0,632 | 0,203 | 1,13 | 0,747 | 0,216 | 1,46 | 0,937 | 0,218 | 1,9 | 1,17 | 0,174 | 2,16 | 1,29 | 0,119 |
| 7/13 | Pt | 1790 | 1430 | 882 | 2180 | 1730 | 1050 | 2880 | 2270 | 1360 | 3870 | 3030 | 2020 | 4520 | 3520 | 2390 |
| | Ps | 1190 | 1050 | 818 | 1460 | 1290 | 1000 | 1960 | 1730 | 1350 | 2710 | 2380 | 2020 | 3210 | 2830 | 2390 |
| | Tsa | 10,6 | 10,6 | 10,9 | 11,2 | 11,1 | 11,3 | 12,1 | 12 | 12 | 13,3 | 13 | 11,9 | 14 | 13,6 | 12,5 |
| | De | 257 | 205 | 126 | 313 | 248 | 151 | 412 | 325 | 194 | 555 | 434 | 290 | 647 | 504 | 343 |
| | Dp eau | 3,51 | 2,32 | 0,965 | 5 | 3,28 | 1,33 | 8,28 | 5,36 | 2,11 | 14,2 | 9,08 | 4,36 | 18,8 | 11,9 | 5,91 |
| | Dcond | 0,874 | 0,555 | 0,099 | 1,04 | 0,645 | 0,083 | 1,32 | 0,785 | 0,029 | 1,68 | 0,94 | 0 | 1,89 | 1,01 | 0 |
| 8/13 | Pt | 1720 | 1360 | 826 | 2100 | 1650 | 990 | 2770 | 2170 | 1420 | 3740 | 2910 | 1950 | 4380 | 3390 | 2310 |
| | Ps | 1160 | 1020 | 794 | 1420 | 1250 | 975 | 1120 | 1680 | 1420 | 2650 | 2330 | 1950 | 3150 | 2770 | 2310 |
| | Tsa | 11 | 11,1 | 11,2 | 11,6 | 11,5 | 11,6 | 112,5 | 12,3 | 11,4 | 13,6 | 13,3 | 12,3 | 14,2 | 13,9 | 12,8 |
| | De | 296 | 234 | 142 | 360 | 284 | 170 | 476 | 373 | 245 | 643 | 500 | 335 | 752 | 582 | 397 |
| | Dp eau | 4,51 | 2,95 | 1,19 | 6,46 | 4,18 | 1,65 | 10,7 | 6,88 | 3,2 | 18,6 | 11,7 | 5,66 | 24,7 | 15,5 | 7,7 |
| | Dcond | 0,815 | 0,499 | 0,053 | 9,71 | 0,581 | 0,031 | 1,24 | 0,713 | 0 | 1,57 | 0,84 | 0 | 1,77 | 0,903 | 0 |
| 10/15 | Pt | 1370 | 992 | 714 | 1660 | 1190 | 876 | 2180 | 1550 | 1180 | 2910 | 2040 | 1600 | 3390 | 2510 | 1900 |
| | Ps | 1010 | 864 | 714 | 1240 | 1060 | 876 | 1670 | 1430 | 1180 | 2320 | 1980 | 1600 | 2760 | 2510 | 1900 |
| | Tsa | 13,1 | 13,2 | 12,3 | 13,5 | 13,6 | 12,7 | 14,3 | 14,0 | 13,2 | 15,3 | 15,0 | 14,0 | 15,8 | 14,9 | 14,5 |
| | De | 0,236 | 171 | 123 | 286 | 205 | 151 | 374 | 266 | 202 | 501 | 351 | 276 | 582 | 431 | 326 |
| | Dp eau | 2,96 | 1,64 | 0,903 | 4,19 | 2,29 | 1,31 | 6,86 | 3,68 | 2,24 | 11,6 | 6,11 | 3,96 | 15,3 | 8,87 | 5,33 |
| | Dcond | 0,525 | 0,191 | 0 | 0,608 | 0,196 | 0 | 0,733 | 0,178 | 0 | 0,863 | 0,103 | 0 | 0,917 | 0 | 0 |

Size 600- 4 row coil (2P/2W or 2P-C/O application)

| Entering Leaving water temperature | Fan speed Air flow L/sec (m3/h) Air entering Temperature °C (50% Rh) | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|--|---|----------|-------|-------|----------|-------|-------|----------|-------|-------|-----------|-------|-------|-----------|-------|-------|
| | | 51 (182) | | | 62 (225) | | | 91 (293) | | | 124 (447) | | | 142 (511) | | |
| | | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 |
| 6/11 | Pt | 1660 | 1370 | 954 | 1980 | 1630 | 1130 | 2440 | 2000 | 1370 | 3340 | 2730 | 1850 | 3670 | 2990 | 2020 |
| | Ps | 1070 | 954 | 780 | 1280 | 1140 | 934 | 1590 | 1430 | 1160 | 2230 | 2000 | 1630 | 2470 | 2210 | 1810 |
| | Tsa | 9,2 | 9,2 | 9,2 | 9,74 | 9,7 | 9,6 | 10,5 | 10,3 | 10,2 | 11,8 | 11,5 | 11,1 | 12,3 | 11,9 | 11,4 |
| | De | 286 | 236 | 164 | 340 | 280 | 193 | 419 | 344 | 236 | 574 | 469 | 317 | 631 | 514 | 347 |
| | Dp eau | 9,51 | 6,72 | 3,49 | 13 | 9,17 | 4,7 | 19 | 13,3 | 6,71 | 33,7 | 23,3 | 11,5 | 40 | 27,6 | 13,5 |
| | Dcond | 0,859 | 0,605 | 0,257 | 1,01 | 0,702 | 0,282 | 1,22 | 0,833 | 0,308 | 1,6 | 1,06 | 0,323 | 1,73 | 1,13 | 0,316 |
| 6/12 | Pt | 1590 | 1290 | 858 | 1890 | 1530 | 1000 | 2310 | 1870 | 1210 | 3150 | 2520 | 1610 | 3450 | 2760 | 1760 |
| | Ps | 1030 | 919 | 736 | 1240 | 1100 | 879 | 1540 | 1360 | 1090 | 2150 | 1910 | 1530 | 2380 | 2110 | 1690 |
| | Tsa | 9,75 | 9,77 | 9,93 | 10,3 | 10,3 | 10,3 | 11,1 | 11 | 10,9 | 12,4 | 12,1 | 11,8 | 12,9 | 12,5 | 12,1 |
| | De | 228 | 185 | 123 | 270 | 219 | 144 | 331 | 267 | 174 | 451 | 361 | 231 | 494 | 395 | 252 |
| | Dp eau | 6,3 | 4,34 | 2,06 | 8,57 | 5,86 | 2,74 | 12,4 | 8,41 | 3,86 | 21,7 | 14,5 | 6,47 | 25,6 | 17,1 | 7,55 |
| | Dcond | 0,805 | 0,545 | 0,182 | 0,937 | 0,623 | 0,187 | 1,12 | 0,728 | 0,184 | 1,44 | 0,894 | 0,136 | 1,55 | 0,941 | 0,105 |
| 7/12 | Pt | 1530 | 1240 | 813 | 1820 | 1470 | 954 | 2240 | 1800 | 1160 | 3060 | 2440 | 1540 | 3360 | 2670 | 1680 |
| | Ps | 1010 | 895 | 716 | 1210 | 1070 | 856 | 1500 | 1330 | 1070 | 2110 | 1870 | 1500 | 2340 | 2080 | 1660 |
| | Tsa | 10,2 | 10,2 | 10,3 | 10,7 | 10,6 | 10,6 | 11,4 | 11,3 | 11,1 | 12,7 | 12,4 | 12,0 | 13,1 | 12,8 | 12,3 |
| | De | 264 | 213 | 140 | 313 | 252 | 164 | 385 | 309 | 199 | 526 | 419 | 265 | 577 | 459 | 289 |
| | Dp eau | 8,18 | 5,57 | 2,59 | 11,2 | 7,56 | 3,46 | 16,2 | 10,9 | 4,91 | 28,5 | 18,9 | 8,28 | 33,8 | 22,3 | 9,69 |
| | Dcond | 0,76 | 0,502 | 0,145 | 0,886 | 0,576 | 0,147 | 1,06 | 0,672 | 0,138 | 1,37 | 0,824 | 0,079 | 1,47 | 0,867 | 0,044 |
| 7/13 | Pt | 1460 | 1150 | 700 | 1720 | 1360 | 814 | 2110 | 1650 | 1090 | 2850 | 2220 | 1520 | 3120 | 2420 | 1680 |
| | Ps | 974 | 856 | 666 | 1170 | 1020 | 796 | 1450 | 1270 | 1090 | 2020 | 1780 | 1520 | 2240 | 1970 | 1680 |
| | Tsa | 10,8 | 10,8 | 11,1 | 11,3 | 11,3 | 11,4 | 12 | 11,9 | 10,9 | 13,3 | 13 | 11,9 | 13,7 | 13,4 | 12,2 |
| | De | 209 | 165 | 100 | 247 | 195 | 117 | 302 | 237 | 156 | 409 | 318 | 217 | 447 | 347 | 240 |
| | Dp eau | 5,34 | 3,51 | 1,42 | 7,23 | 4,71 | 1,87 | 10,4 | 6,71 | 3,16 | 18 | 11,4 | 5,76 | 21,2 | 13,4 | 6,89 |
| | Dcond | 0,698 | 0,432 | 0,054 | 0,806 | 0,487 | 0,034 | 0,953 | 0,554 | 0 | 1,2 | 0,643 | 0 | 1,28 | 0,663 | 0 |
| 8/13 | Pt | 1400 | 1100 | 658 | 1660 | 1300 | 843 | 2030 | 1580 | 1050 | 2760 | 2140 | 1460 | 3030 | 2340 | 1620 |
| | Ps | 949 | 833 | 648 | 1140 | 998 | 843 | 1420 | 1240 | 1050 | 1990 | 1740 | 1460 | 2200 | 1940 | 1620 |
| | Tsa | 11,2 | 11,2 | 11,4 | 11,7 | 11,6 | 10,8 | 12,3 | 12,2 | 11,3 | 13,5 | 13,2 | 12,2 | 13,9 | 13,6 | 12,5 |
| | De | 240 | 189 | 113 | 285 | 223 | 145 | 349 | 272 | 180 | 475 | 367 | 251 | 521 | 402 | 278 |
| | Dp eau | 6,89 | 4,47 | 1,76 | 9,37 | 6,03 | 2,76 | 13,5 | 8,64 | 4,09 | 23,6 | 14,8 | 7,47 | 27,9 | 17,4 | 8,98 |
| | Dcond | 0,651 | 0,39 | 0,02 | 0,753 | 0,439 | 0 | 0,892 | 0,498 | 0 | 1,13 | 0,575 | 0 | 1,2 | 0,59 | 0 |
| 10/15 | Pt | 1110 | 793 | 589 | 1310 | 928 | 699 | 1590 | 1120 | 866 | 2140 | 1490 | 1200 | 2330 | 1760 | 1330 |
| | Ps | 827 | 706 | 589 | 991 | 846 | 699 | 1240 | 1050 | 866 | 1730 | 1480 | 1200 | 1930 | 1760 | 1330 |
| | Tsa | 13,2 | 13,3 | 12,3 | 13,6 | 13,7 | 12,7 | 14,2 | 14,1 | 13,2 | 15,2 | 15,0 | 14,0 | 15,6 | 14,6 | 14,2 |
| | De | 191 | 136 | 101 | 224 | 160 | 120 | 273 | 193 | 149 | 367 | 255 | 207 | 401 | 303 | 228 |
| | Dp eau | 4,47 | 2,44 | 1,43 | 6,02 | 3,24 | 1,94 | 8,59 | 4,56 | 2,86 | 14,7 | 7,59 | 5,18 | 17,2 | 10,3 | 6,21 |
| | Dcond | 0,408 | 0,132 | 0 | 0,457 | 0,125 | 0 | 0,516 | 0,104 | 0 | 0,586 | 0,015 | 0 | 0,594 | 0 | 0 |

Size 900- 4 row coil (2P/2W or 2P-C/O application)

| Entering Leaving water temperature | Fan speed Air flow L/sec (m3/h) Air entering Temperature °C (50% Rh) | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|--|---|----------|-------|-------|------------|-------|-------|----------|-------|-------|-----------|-------|-------|-----------|-------|-------|
| | | 89 (210) | | | 66,5 (240) | | | 97 (350) | | | 133 (480) | | | 153 (550) | | |
| | | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 |
| 6/11 | Pt | 2010 | 1660 | 1170 | 2250 | 1860 | 1300 | 3070 | 2530 | 1750 | 3930 | 3220 | 2210 | 4360 | 3570 | 2430 |
| | Ps | 1280 | 1150 | 937 | 1440 | 1290 | 1050 | 1990 | 1780 | 1450 | 2580 | 2310 | 1880 | 2880 | 2580 | 2100 |
| | Tsa | 8,53 | 8,6 | 8,7 | 8,82 | 8,8 | 8,9 | 9,76 | 9,7 | 9,6 | 10,7 | 10,5 | 10,3 | 11,1 | 10,9 | 10,6 |
| | De | 345 | 286 | 201 | 387 | 320 | 224 | 528 | 435 | 300 | 676 | 554 | 379 | 749 | 613 | 418 |
| | Dp eau | 5,93 | 4,22 | 2,22 | 7,3 | 5,17 | 2,7 | 12,9 | 9,03 | 4,61 | 20,2 | 14,1 | 7,04 | 24,4 | 16,9 | 8,4 |
| | Dcond | 1,05 | 0,753 | 0,34 | 1,17 | 0,833 | 0,367 | 1,57 | 1,09 | 0,434 | 1,95 | 1,33 | 0,475 | 2,14 | 1,43 | 0,486 |
| 6/12 | Pt | 1930 | 1580 | 1060 | 2160 | 1760 | 1180 | 2930 | 2370 | 1560 | 3730 | 3000 | 1950 | 4120 | 3310 | 2140 |
| | Ps | 1240 | 1100 | 887 | 1400 | 1240 | 994 | 1920 | 1710 | 1370 | 2490 | 2210 | 1770 | 2780 | 2460 | 1970 |
| | Tsa | 9,04 | 9,13 | 9,39 | 9,35 | 9,4 | 9,63 | 10,3 | 10,3 | 10,3 | 11,2 | 11,1 | 11 | 11,7 | 11,5 | 11,3 |
| | De | 277 | 226 | 152 | 309 | 252 | 168 | 419 | 340 | 223 | 534 | 430 | 279 | 590 | 475 | 306 |
| | Dp eau | 3,96 | 2,75 | 1,33 | 4,85 | 3,35 | 1,61 | 8,44 | 5,75 | 2,68 | 13,1 | 8,85 | 4,03 | 15,7 | 10,6 | 4,77 |
| | Dcond | 0,995 | 0,688 | 0,255 | 1,1 | 0,754 | 0,268 | 1,45 | 0,964 | 0,286 | 1,79 | 1,15 | 0,271 | 1,95 | 1,23 | 0,252 |
| 7/12 | Pt | 1860 | 1510 | 1000 | 2080 | 1680 | 1110 | 2830 | 2280 | 1480 | 3610 | 2890 | 1860 | 4000 | 3200 | 2040 |
| | Ps | 1210 | 1070 | 859 | 1360 | 1210 | 966 | 1880 | 1670 | 1330 | 2440 | 2160 | 1730 | 2720 | 2410 | 1930 |
| | Tsa | 9,54 | 9,6 | 9,8 | 9,81 | 9,9 | 10,0 | 10,7 | 10,6 | 10,6 | 11,6 | 11,4 | 11,2 | 12 | 11,8 | 11,5 |
| | De | 319 | 259 | 172 | 357 | 290 | 191 | 486 | 392 | 254 | 621 | 498 | 319 | 687 | 550 | 351 |
| | Dp eau | 5,12 | 3,51 | 1,66 | 6,28 | 4,39 | 2,01 | 11 | 7,43 | 3,39 | 17,2 | 11,5 | 5,123 | 20,7 | 13,8 | 6,08 |
| | Dcond | 0,938 | 0,632 | 0,209 | 1,04 | 0,695 | 0,216 | 1,37 | 0,888 | 0,223 | 1,69 | 1,06 | 0,197 | 1,84 | 1,14 | 0,174 |
| 7/13 | Pt | 1770 | 1410 | 871 | 1980 | 1570 | 962 | 2670 | 2110 | 1260 | 3390 | 1660 | 1770 | 3740 | 2920 | 1970 |
| | Ps | 1770 | 1030 | 803 | 1310 | 1160 | 899 | 1810 | 1590 | 1240 | 2350 | 2060 | 1770 | 2610 | 2300 | 1970 |
| | Tsa | 10,1 | 10,2 | 10,6 | 10,4 | 10,5 | 10,8 | 11,3 | 11,3 | 11,4 | 12,2 | 12,1 | 11 | 12,6 | 12,4 | 11,3 |
| | De | 254 | 203 | 125 | 283 | 225 | 138 | 383 | 302 | 181 | 486 | 381 | 253 | 536 | 419 | 282 |
| | Dp eau | 3,37 | 2,23 | 0,926 | 4,12 | 2,71 | 1,11 | 7,11 | 4,62 | 1,082 | 11 | 7,04 | 3,36 | 13,1 | 8,38 | 4,08 |
| | Dcond | 0 | 0,557 | 0,105 | 0,96 | 0,606 | 0,098 | 1,25 | 0,751 | 0,047 | 1,51 | 0,87 | 0 | 1,63 | 0,913 | 0 |
| 8/13 | Pt | 1700 | 1340 | 816 | 1900 | 1500 | 903 | 2570 | 2020 | 1310 | 3280 | 2550 | 1700 | 3620 | 2810 | 1900 |
| | Ps | 1140 | 1000 | 778 | 1280 | 1120 | 874 | 1770 | 1550 | 1310 | 2290 | 2020 | 1700 | 2560 | 2250 | 1900 |
| | Tsa | 10,6 | 10,6 | 10,9 | 10,8 | 10,9 | 11,1 | 11,7 | 11,6 | 10,8 | 12,5 | 12,3 | 11,4 | 12,9 | 12,7 | 11,7 |
| | De | 292 | 231 | 140 | 326 | 258 | 155 | 442 | 347 | 226 | 563 | 438 | 292 | 622 | 483 | 326 |
| | Dp eau | 4,33 | 2,83 | 1,14 | 5,3 | 3,45 | 1,37 | 9,22 | 5,92 | 2,71 | 14,3 | 9,08 | 4,34 | 17,2 | 10,8 | 5,29 |
| | Dcond | 0,812 | 0,502 | 0,061 | 0,896 | 0,546 | 0,049 | 1,17 | 0,676 | 0 | 1,42 | 0,779 | 0 | 1,53 | 0,818 | 0 |
| 10/15 | Pt | 1380 | 999 | 714 | 1530 | 1110 | 803 | 2060 | 1470 | 1100 | 2620 | 1850 | 1420 | 2880 | 2030 | 1580 |
| | Ps | 1000 | 854 | 714 | 1120 | 961 | 803 | 1560 | 1330 | 1100 | 2030 | 1730 | 1420 | 2260 | 1930 | 1580 |
| | Tsa | 12,5 | 12,7 | 11,8 | 12,8 | 12,9 | 12,0 | 13,5 | 13,5 | 12,6 | 14,2 | 14,1 | 13,2 | 14,5 | 14,4 | 13,4 |
| | De | 236 | 172 | 123 | 264 | 191 | 138 | 355 | 254 | 189 | 450 | 318 | 244 | 496 | 349 | 272 |
| | Dp eau | 3,1 | 1,73 | 0,941 | 3,77 | 2,1 | 1,16 | 6,48 | 3,52 | 2,06 | 9,96 | 5,3 | 3,28 | 11,9 | 6,29 | 3,99 |
| | Dcond | 0,544 | 0,214 | 0 | 0,593 | 0,221 | 0 | 0,738 | 0,22 | 0 | 0,857 | 0,184 | 0 | 0,903 | 0,154 | 0 |

Size 1200-4 row coil (2P/2W or 2P-C/O application)

| Entering Leaving water temperature | Fan speed Air flow L/sec (m3/h) Air entering Temperature °C (50% Rh) | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|--|---|----------|-------|-------|----------|-------|-------|-----------|-------|-------|-------------|-------|-------|-----------|------|-------|
| | | 61 (220) | | | 78 (280) | | | 111 (400) | | | 166,5 (600) | | | 208 (750) | | |
| | | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 | 27 | 25 | 22 |
| 6/11 | Pt | 2210 | 1850 | 1320 | 2740 | 2280 | 1620 | 3710 | 3080 | 2170 | 5150 | 4250 | 2960 | 6120 | 5040 | 3480 |
| | Ps | 1390 | 1250 | 1030 | 1730 | 1560 | 1280 | 2370 | 2130 | 1750 | 3340 | 3000 | 2450 | 4010 | 3590 | 2940 |
| | Tsa | 7,77 | 7,8 | 8,0 | 8,2 | 8,2 | 8,4 | 9 | 9,0 | 9,0 | 10,1 | 9,9 | 9,8 | 10,8 | 10,5 | 10,3 |
| | De | 380 | 318 | 228 | 471 | 392 | 279 | 638 | 529 | 373 | 886 | 731 | 509 | 1052 | 856 | 599 |
| | Dp eau | 8,83 | 6,38 | 3,48 | 13 | 9,34 | 5,03 | 22,6 | 16,1 | 8,51 | 41,1 | 29 | 15 | 56,2 | 39,4 | 20,1 |
| | Dcond | 1,18 | 0,864 | 0,428 | 1,45 | 1,05 | 0,502 | 1,94 | 1,38 | 0,627 | 2,62 | 1,82 | 0,742 | 3,05 | 2,09 | 0,794 |
| 6/12 | Pt | 2150 | 1780 | 1230 | 2650 | 2180 | 1490 | 3570 | 2920 | 1970 | 4930 | 4010 | 2660 | 5830 | 4720 | 3120 |
| | Ps | 1360 | 1220 | 986 | 1690 | 1510 | 1220 | 2310 | 2060 | 1660 | 3240 | 2880 | 2320 | 3880 | 3450 | 2780 |
| | Tsa | 8,18 | 8,29 | 8,61 | 8,65 | 8,73 | 9 | 9,49 | 9,49 | 9,63 | 10,6 | 10,5 | 10,4 | 11,3 | 11,1 | 10,9 |
| | De | 308 | 255 | 176 | 380 | 313 | 214 | 512 | 419 | 283 | 706 | 574 | 282 | 835 | 677 | 446 |
| | Dp eau | 6 | 4,25 | 2,17 | 8,78 | 6,17 | 3,1 | 15,1 | 10,5 | 5,15 | 27,1 | 18,6 | 8,87 | 36,8 | 25,1 | 11,8 |
| | Dcond | 1,14 | 0,81 | 0,354 | 1,38 | 0,975 | 0,404 | 1,83 | 1,26 | 0,467 | 2,44 | 1,63 | 0,51 | 2,82 | 1,85 | 0,504 |
| 7/12 | Pt | 2050 | 1690 | 1150 | 2540 | 2080 | 1400 | 3430 | 2790 | 1860 | 4750 | 3840 | 2520 | 5630 | 4531 | 2950 |
| | Ps | 1320 | 1180 | 950 | 1640 | 1460 | 1180 | 2240 | 2000 | 1610 | 3160 | 2810 | 2260 | 3790 | 3370 | 2710 |
| | Tsa | 8,79 | 8,9 | 9,1 | 9,22 | 9,3 | 9,4 | 9,98 | 10,0 | 10,0 | 11 | 10,9 | 10,8 | 11,7 | 11,4 | 11,2 |
| | De | 353 | 290 | 198 | 436 | 357 | 241 | 590 | 480 | 320 | 816 | 660 | 433 | 968 | 780 | 508 |
| | Dp eau | 7,68 | 5,37 | 2,68 | 11,3 | 7,83 | 3,84 | 19,5 | 13,4 | 6,41 | 35,2 | 23,9 | 11,1 | 48 | 32,4 | 14,8 |
| | Dcond | 1,06 | 0,741 | 0,293 | 1,3 | 0,893 | 0,331 | 1,72 | 1,15 | 0,376 | 2,3 | 1,49 | 0,393 | 2,66 | 1,69 | 0,372 |
| 7/13 | Pt | 1990 | 1610 | 1030 | 2440 | 1960 | 1250 | 3280 | 2620 | 1630 | 4500 | 3570 | 2180 | 5320 | 4200 | 2530 |
| | Ps | 1290 | 1140 | 896 | 1600 | 1410 | 1110 | 2180 | 1920 | 1500 | 3050 | 2690 | 2110 | 3660 | 3220 | 2530 |
| | Tsa | 9,24 | 9,39 | 9,84 | 9,69 | 9,81 | 10,2 | 10,5 | 10,5 | 10,8 | 11,6 | 11,5 | 11,5 | 12,2 | 12 | 11,9 |
| | De | 284 | 230 | 147 | 350 | 281 | 178 | 470 | 375 | 234 | 645 | 512 | 312 | 762 | 601 | 363 |
| | Dp eau | 5,17 | 3,52 | 1,57 | 7,53 | 5,08 | 2,22 | 12,9 | 8,55 | 3,62 | 22,9 | 15 | 6,12 | 31 | 20,1 | 8,05 |
| | Dcond | 1,01 | 0,677 | 0,199 | 1,22 | 0,805 | 0,207 | 1,6 | 1,02 | 0,194 | 2,1 | 1,28 | 0,118 | 2,4 | 1,42 | 0 |
| 8/13 | Pt | 1890 | 1520 | 956 | 2330 | 1860 | 1160 | 3140 | 2490 | 1520 | 4330 | 3400 | 2210 | 5120 | 4010 | 2650 |
| | Ps | 1240 | 1100 | 863 | 1550 | 1360 | 1070 | 2110 | 1860 | 1460 | 2980 | 2620 | 2210 | 3570 | 3140 | 2650 |
| | Tsa | 9,83 | 9,9 | 10,3 | 10,2 | 10,3 | 10,6 | 11 | 11,0 | 11,1 | 11,9 | 11,8 | 11,0 | 12,5 | 12,4 | 11,4 |
| | De | 325 | 261 | 164 | 401 | 320 | 199 | 539 | 428 | 262 | 744 | 585 | 381 | 879 | 689 | 456 |
| | Dp eau | 6,57 | 4,4 | 1,9 | 9,6 | 6,38 | 2,7 | 16,5 | 10,8 | 4,44 | 29,6 | 19,1 | 8,66 | 40,1 | 25,8 | 12,2 |
| | Dcond | 0,934 | 0,607 | 0,14 | 1,13 | 0,722 | 0,137 | 1,48 | 0,912 | 0,106 | 1,95 | 1,14 | 0 | 2,24 | 1,26 | 0 |
| 10/15 | Pt | 1530 | 1140 | 781 | 1880 | 1380 | 968 | 2510 | 1820 | 1320 | 3420 | 2450 | 1840 | 4020 | 2860 | 2200 |
| | Ps | 1090 | 935 | 781 | 1350 | 1160 | 968 | 1850 | 1580 | 1320 | 2600 | 2230 | 1840 | 3120 | 2680 | 2200 |
| | Tsa | 12 | 12,2 | 11,4 | 12,3 | 12,5 | 11,7 | 13 | 13,1 | 12,1 | 13,8 | 13,8 | 12,9 | 14,4 | 14,2 | 13,3 |
| | De | 264 | 195 | 134 | 323 | 237 | 166 | 431 | 313 | 227 | 588 | 422 | 316 | 691 | 492 | 377 |
| | Dp eau | 4,45 | 2,58 | 1,31 | 6,42 | 3,67 | 1,93 | 10,9 | 6,07 | 3,39 | 19,1 | 10,4 | 6,17 | 25,6 | 13,8 | 8,53 |
| | Dcond | 0,643 | 0,294 | 0 | 0,762 | 0,325 | 0 | 0,956 | 0,355 | 0 | 1,19 | 0,338 | 0 | 1,3 | 0,29 | 0 |

Heating capacity

Terminology:

Pc : heating capacity (W) ; **Tsa** : air leaving temperature (°C) ; **De** : water flow rate (l/h) ; **Dp** : water side pressure drop (KPa)

Size 600-1 row coil (4P application)

| Entering Leaving water temperature | Fan speed Air flow L/sec (m3/h) Air entering Temperature °C (50% Rh) | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|---|---|----------|-------|-------|----------|-------|-------|----------|-------|-------|-----------|-------|-------|-----------|-------|-------|
| | | 51 (182) | | | 62 (225) | | | 91 (293) | | | 124 (447) | | | 142 (511) | | |
| | | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 |
| 55/50 | Pc | 735 | 761 | 836 | 907 | 938 | 1030 | 998 | 1030 | 1140 | 1300 | 1340 | 1480 | 1380 | 1420 | 1560 |
| | Tsa | 32 | 31,4 | 836,0 | 30,7 | 30,0 | 28,0 | 30,1 | 29,4 | 27,3 | 28,6 | 27,9 | 25,7 | 28 | 27,2 | 25,0 |
| | De | 128 | 132 | 29,5 | 158 | 163 | 179 | 173 | 179 | 197 | 226 | 233 | 256 | 239 | 247 | 272 |
| | Dp eau | 2,33 | 2,47 | 145 | 3,41 | 3,62 | 4,3 | 4,05 | 4,31 | 5,12 | 6,53 | 6,94 | 8,24 | 7,25 | 7,71 | 9,15 |
| 55/40 | Pc | 525 | 550 | 624 | 600 | 628 | 713 | 706 | 739 | 840 | 909 | 952 | 1080 | 961 | 1010 | 1140 |
| | Tsa | 28,6 | 27,9 | 26,0 | 27,9 | 27,3 | 25,3 | 27,1 | 26,5 | 24,4 | 26 | 25,3 | 23,1 | 25,6 | 24,8 | 22,6 |
| | De | 30,3 | 31,8 | 36,1 | 34,6 | 36,3 | 40 | 40,8 | 42,7 | 48,5 | 52,5 | 55 | 62,6 | 55,5 | 58,2 | 66,1 |
| | Dp eau | 0,175 | 0,19 | 0,239 | 0,222 | 0,242 | 0,305 | 0,299 | 0,325 | 0,409 | 0,473 | 0,514 | 0,649 | 0,523 | 0,569 | 0,718 |
| 50/45 | Pc | 613 | 638 | 713 | 703 | 731 | 817 | 831 | 865 | 967 | 1080 | 1120 | 1260 | 1140 | 1190 | 1330 |
| | Tsa | 30 | 29,4 | 27,5 | 29,3 | 28,6 | 26,6 | 28,4 | 27,7 | 25,7 | 27,2 | 26,4 | 24,2 | 26,6 | 25,9 | 23,6 |
| | De | 106 | 111 | 124 | 122 | 127 | 142 | 144 | 150 | 168 | 187 | 195 | 218 | 198 | 206 | 231 |
| | Dp eau | 1,69 | 1,82 | 2,23 | 2,17 | 2,33 | 2,85 | 2,94 | 3,16 | 3,87 | 4,73 | 5,09 | 6,22 | 5,26 | 5,65 | 6,91 |
| 50/35 | Pc | 400 | 424 | 498 | 456 | 484 | 568 | 535 | 568 | 668 | 687 | 730 | 859 | 726 | 771 | 908 |
| | Tsa | 26,5 | 25,9 | 24,0 | 26 | 25,4 | 23,4 | 25,4 | 24,7 | 22,7 | 24,6 | 23,8 | 21,6 | 24,2 | 23,5 | 21,2 |
| | De | 23 | 24,5 | 28,7 | 26,3 | 27,9 | 32,8 | 30,9 | 32,8 | 38,5 | 39,6 | 42,1 | 49,5 | 41,8 | 44,5 | 52,4 |
| | Dp eau | 0,108 | 0,121 | 0,161 | 0,137 | 0,153 | 0,205 | 0,184 | 0,205 | 0,274 | 0,288 | 0,322 | 0,433 | 0,319 | 0,356 | 0,478 |
| 70/50 | Pc | 797 | 823 | 899 | 911 | 940 | 1030 | 1070 | 1110 | 1210 | 1390 | 1430 | 1560 | 1470 | 1510 | 1650 |
| | Tsa | 33 | 32,4 | 30,5 | 32 | 31,4 | 29,4 | 30,9 | 30,2 | 28,1 | 29,2 | 28,5 | 26,2 | 28,5 | 27,8 | 25,5 |
| | De | 34,8 | 35,9 | 39,2 | 39,7 | 41 | 44,8 | 46,8 | 48,3 | 52,8 | 60,4 | 62 | 68,1 | 63,9 | 66 | 72,1 |
| | Dp eau | 0,215 | 0,227 | 0,267 | 0,274 | 0,289 | 0,34 | 0,368 | 0,39 | 0,458 | 0,585 | 0,619 | 0,727 | 0,648 | 0,685 | 0,805 |
| 70/60 | Pc | 1000 | 1030 | 1110 | 1150 | 1180 | 1270 | 1360 | 1390 | 1500 | 1770 | 1810 | 1950 | 1870 | 1920 | 2060 |
| | Tsa | 36,3 | 35,7 | 33,8 | 35,2 | 34,5 | 32,5 | 33,8 | 33,1 | 31,0 | 31,7 | 31,0 | 28,7 | 30,9 | 30,1 | 27,8 |
| | De | 87,6 | 89,9 | 96,6 | 100 | 103 | 111 | 119 | 122 | 131 | 154 | 158 | 170 | 163 | 168 | 180 |
| | Dp eau | 1,13 | 1,18 | 1,35 | 1,45 | 1,51 | 1,73 | 1,96 | 2,05 | 2,34 | 3,15 | 3,3 | 3,76 | 3,5 | 3,66 | 4,17 |
| 80/60 | Pc | 1050 | 1080 | 1150 | 1200 | 1230 | 1320 | 1420 | 1450 | 1560 | 1840 | 1880 | 2020 | 1940 | 1990 | 2130 |
| | Tsa | 37,1 | 36,5 | 34,6 | 35,9 | 35,2 | 33,2 | 34,4 | 33,7 | 31,6 | 32,2 | 31,4 | 29,2 | 31,3 | 30,5 | 28,5 |
| | De | 46,1 | 47,2 | 50,6 | 52,7 | 54 | 57,9 | 62,2 | 63,7 | 68,3 | 80,5 | 82,5 | 88,4 | 85,2 | 87,3 | 93,5 |
| | Dp eau | 0,346 | 0,362 | 0,41 | 0,442 | 0,462 | 0,524 | 0,597 | 0,624 | 0,708 | 0,953 | 0,995 | 1,13 | 1,06 | 1,1 | 1,25 |

Size 900-1 row coil (4P application)

| Entering Leaving water temperature | Fan speed Air flow L/sec (m3/h) Air entering Temperature °C (50% Rh) | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|---|---|----------|-------|-------|------------|-------|-------|----------|-------|-------|-----------|-------|------|-----------|-------|------|
| | | 89 (210) | | | 66,5 (240) | | | 97 (350) | | | 133 (480) | | | 153 (550) | | |
| | | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 |
| | | | | | | | | | | | | | | | | |
| 55/50 | Pc | 969 | 1000 | 1100 | 1060 | 1100 | 1200 | 1360 | 1400 | 1540 | 1660 | 1720 | 1890 | 1810 | 1870 | 2060 |
| | Tsa | 33,7 | 33,1 | 31,3 | 33,1 | 32,5 | 30,7 | 31,5 | 30,9 | 28,9 | 30,3 | 29,6 | 27,5 | 29,8 | 29,1 | 26,9 |
| | De | 168 | 174 | 191 | 184 | 190 | 209 | 236 | 244 | 268 | 289 | 299 | 328 | 315 | 326 | 357 |
| | Dp eau | 5,27 | 5,6 | 6,63 | 6,2 | 6,58 | 7,8 | 9,7 | 10,3 | 12,2 | 14 | 14,9 | 17,6 | 16,4 | 17,4 | 20,6 |
| 55/45 | Pc | 851 | 884 | 981 | 930 | 966 | 1070 | 1190 | 1230 | 1370 | 1450 | 1510 | 1670 | 1580 | 1640 | 1820 |
| | Tsa | 32 | 31,4 | 29,7 | 31,5 | 30,9 | 29,1 | 30,1 | 29,4 | 27,5 | 29 | 28,3 | 26,2 | 28,5 | 27,8 | 25,7 |
| | De | 73,9 | 76,7 | 85,2 | 80,7 | 83,8 | 93,1 | 103 | 107 | 119 | 126 | 131 | 145 | 137 | 142 | 158 |
| | Dp eau | 1,2 | 1,28 | 1,55 | 1,4 | 1,5 | 1,82 | 2,19 | 2,34 | 2,83 | 3,14 | 3,36 | 4,07 | 3,67 | 3,93 | 4,75 |
| 55/40 | Pc | 730 | 762 | 861 | 796 | 832 | 939 | 1010 | 1060 | 1200 | 1240 | 1290 | 1460 | 1350 | 1410 | 1590 |
| | Tsa | 30,3 | 29,7 | 28,0 | 29,8 | 29,3 | 27,5 | 28,6 | 28,0 | 26,0 | 27,6 | 30,9 | 24,9 | 27,3 | 26,6 | 24,5 |
| | De | 42,2 | 44 | 49,7 | 46 | 48,1 | 54,3 | 58,6 | 61,2 | 69,1 | 71,5 | 74,7 | 84,3 | 77,8 | 81,3 | 91,8 |
| | Dp eau | 0,438 | 0,474 | 0,59 | 0,513 | 0,555 | 0,692 | 0,795 | 0,86 | 1,07 | 1,14 | 1,23 | 1,53 | 1,33 | 1,44 | 1,79 |
| 50/45 | Pc | 811 | 844 | 941 | 887 | 923 | 1030 | 1140 | 1180 | 1320 | 1390 | 1450 | 1610 | 1520 | 1580 | 1760 |
| | Tsa | 31,5 | 30,9 | 29,1 | 31 | 30,4 | 28,6 | 29,6 | 29,0 | 27,0 | 28,6 | 29,2 | 25,8 | 28,2 | 27,5 | 25,4 |
| | De | 141 | 146 | 163 | 154 | 160 | 178 | 197 | 205 | 228 | 241 | 251 | 280 | 263 | 273 | 305 |
| | Dp eau | 3,87 | 4,15 | 5,06 | 4,55 | 4,88 | 5,95 | 7,11 | 7,63 | 9,3 | 10,3 | 11 | 13,4 | 12 | 12,9 | 15,7 |
| 50/40 | Pc | 693 | 725 | 822 | 756 | 792 | 898 | 965 | 1010 | 1150 | 1180 | 1230 | 1400 | 1280 | 1340 | 1520 |
| | Tsa | 29,8 | 29,2 | 27,5 | 29,4 | 28,8 | 27,0 | 28,2 | 27,5 | 25,6 | 27,3 | 26,6 | 24,5 | 26,9 | 26,2 | 24,1 |
| | De | 60 | 62,8 | 71,2 | 65,5 | 68,6 | 77,7 | 83,6 | 87,5 | 99,2 | 102 | 107 | 121 | 111 | 116 | 132 |
| | Dp eau | 0,836 | 0,908 | 1,14 | 0,98 | 1,06 | 1,34 | 1,52 | 1,65 | 2,08 | 2,19 | 2,37 | 2,98 | 2,55 | 2,77 | 3,48 |
| 50/35 | Pc | 567 | 599 | 697 | 618 | 653 | 760 | 786 | 831 | 967 | 957 | 1010 | 1180 | 1040 | 1100 | 1280 |
| | Tsa | 28 | 27,4 | 27,5 | 27,6 | 27,1 | 25,3 | 26,7 | 26,0 | 24,1 | 25,9 | 25,2 | 23,2 | 25,6 | 24,9 | 22,8 |
| | De | 32,7 | 34,5 | 40,2 | 35,6 | 37,7 | 43,8 | 45,3 | 47,9 | 55,8 | 55,2 | 58,4 | 68 | 60 | 63,5 | 73,9 |
| | Dp eau | 0,281 | 0,311 | 0,409 | 0,329 | 0,364 | 0,478 | 0,508 | 0,562 | 0,739 | 0,725 | 0,802 | 1,06 | 0,843 | 0,934 | 1,23 |
| 70/50 | Pc | 1090 | 1130 | 1230 | 1190 | 1230 | 1340 | 1520 | 1570 | 1710 | 1860 | 1910 | 2080 | 2020 | 2080 | 2270 |
| | Tsa | 35,5 | 34,9 | 33,1 | 34,8 | 34,2 | 32,3 | 32,9 | 32,3 | 30,3 | 31,5 | 30,8 | 28,7 | 30,9 | 30,2 | 28,1 |
| | De | 47,7 | 49,1 | 53,5 | 52,1 | 53,6 | 58,4 | 66,4 | 68,4 | 74,5 | 81 | 83,5 | 90,9 | 88,2 | 90,9 | 97,4 |
| | Dp eau | 0,525 | 0,554 | 0,646 | 0,615 | 0,649 | 0,757 | 0,955 | 1,01 | 1,18 | 1,37 | 1,45 | 1,69 | 1,6 | 1,69 | 1,97 |
| 70/60 | Pc | 1330 | 1360 | 1460 | 1450 | 1490 | 1600 | 1860 | 1910 | 2050 | 2280 | 2330 | 2510 | 2480 | 2540 | 2730 |
| | Tsa | 38,8 | 38,2 | 36,4 | 38 | 37,4 | 35,5 | 35,8 | 35,1 | 33,1 | 34,1 | 33,4 | 31,3 | 33,4 | 32,7 | 30,5 |
| | De | 116 | 119 | 128 | 127 | 130 | 140 | 163 | 167 | 179 | 199 | 204 | 219 | 217 | 222 | 239 |
| | Dp eau | 2,59 | 2,71 | 3,08 | 3,04 | 3,18 | 3,62 | 4,75 | 4,97 | 5,65 | 6,86 | 7,17 | 8,15 | 8,02 | 8,38 | 9,53 |
| 80/60 | Pc | 1420 | 1450 | 1550 | 1550 | 1590 | 1700 | 1980 | 2030 | 2170 | 2420 | 2480 | 2650 | 2640 | 2700 | 2890 |
| | Tsa | 40,1 | 39,5 | 37,7 | 39,2 | 38,6 | 36,7 | 36,8 | 36,1 | 34,1 | 35 | 34,3 | 32,2 | 34,2 | 33,5 | 31,4 |
| | De | 62,2 | 63,7 | 68,1 | 68 | 69,6 | 74,4 | 86,8 | 88,8 | 95 | 106 | 109 | 116 | 116 | 118 | 126 |
| | Dp eau | 0,822 | 0,858 | 0,969 | 0,965 | 1,01 | 1,14 | 1,5 | 1,57 | 1,77 | 2,16 | 2,25 | 2,54 | 2,52 | 2,63 | 2,97 |

Size 1200-1 row coil (4P application)

| Entering Leaving water temperature | Fan speed Air flow L/sec (m3/h) Air entering Temperature °C (50% Rh) | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|---|---|----------|-------|-------|----------|-------|-------|-----------|------|------|-------------|------|------|-----------|------|------|
| | | 61 (220) | | | 78 (280) | | | 111 (400) | | | 166,5 (600) | | | 208 (750) | | |
| | | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 |
| | | | | | | | | | | | | | | | | |
| 55/50 | Pc | 1120 | 1160 | 1270 | 1320 | 1360 | 1500 | 1670 | 1730 | 1900 | 2180 | 2250 | 2470 | 2510 | 2600 | 2850 |
| | Tsa | 35,1 | 34,5 | 32,9 | 34 | 33,4 | 31,7 | 32,4 | 31,8 | 29,9 | 30,8 | 30,1 | 28,0 | 29,9 | 29,2 | 27,1 |
| | De | 194 | 201 | 221 | 229 | 237 | 260 | 291 | 301 | 330 | 378 | 391 | 429 | 436 | 451 | 495 |
| | Dp eau | 8,69 | 9,23 | 10,9 | 11,7 | 12,4 | 14,7 | 18 | 19,1 | 22,6 | 29 | 30,8 | 36,4 | 37,6 | 39,9 | 47,1 |
| 55/45 | Pc | 994 | 1030 | 1140 | 1170 | 1210 | 1350 | 1480 | 1540 | 1710 | 1920 | 2000 | 2210 | 2220 | 2300 | 2550 |
| | Tsa | 33,4 | 32,9 | 31,2 | 32,4 | 31,8 | 30,1 | 31 | 30,4 | 28,5 | 29,5 | 28,8 | 26,8 | 28,8 | 28,1 | 26,0 |
| | De | 86,2 | 89,5 | 99,2 | 102 | 105 | 117 | 129 | 133 | 148 | 167 | 173 | 192 | 192 | 200 | 221 |
| | Dp eau | 2,02 | 2,16 | 2,6 | 2,71 | 2,9 | 3,5 | 4,16 | 4,44 | 5,36 | 6,67 | 7,12 | 8,59 | 8,61 | 9,2 | 11,1 |
| 55/40 | Pc | 863 | 901 | 1010 | 1020 | 1060 | 1190 | 1280 | 1340 | 1510 | 1660 | 1730 | 1950 | 1910 | 1990 | 2250 |
| | Tsa | 31,6 | 31,1 | 29,5 | 30,8 | 30,2 | 28,5 | 29,5 | 28,9 | 27,0 | 28,2 | 27,5 | 25,5 | 27,6 | 26,9 | 24,8 |
| | De | 49,9 | 52 | 58,6 | 58,7 | 61,2 | 68,9 | 74,1 | 77,3 | 87,1 | 96 | 100 | 113 | 110 | 115 | 130 |
| | Dp eau | 0,756 | 0,817 | 1,01 | 1,01 | 1,1 | 1,36 | 1,55 | 1,67 | 2,07 | 2,47 | 2,67 | 3,31 | 3,18 | 3,44 | 4,26 |
| 50/45 | Pc | 939 | 976 | 1090 | 1110 | 1150 | 1280 | 1400 | 1460 | 1630 | 1830 | 1900 | 2110 | 2110 | 2190 | 2440 |
| | Tsa | 32,7 | 32,1 | 30,5 | 31,7 | 31,2 | 29,4 | 30,4 | 29,8 | 27,9 | 29 | 28,4 | 26,3 | 28,3 | 27,6 | 27,8 |
| | De | 163 | 169 | 189 | 192 | 200 | 222 | 243 | 253 | 282 | 317 | 329 | 367 | 365 | 379 | 423 |
| | Dp eau | 6,42 | 6,98 | 8,38 | 8,65 | 9,27 | 11,3 | 13,3 | 14,2 | 17,3 | 21,4 | 22,9 | 27,9 | 27,7 | 29,7 | 36,1 |
| 50/40 | Pc | 812 | 949 | 961 | 957 | 1000 | 1130 | 1210 | 1270 | 1430 | 1570 | 1640 | 1860 | 1810 | 1890 | 2140 |
| | Tsa | 31 | 30,4 | 28,8 | 30,1 | 29,6 | 27,8 | 29 | 28,4 | 26,5 | 27,8 | 27,1 | 25,1 | 27,1 | 26,5 | 24,3 |
| | De | 70,3 | 73,6 | 83,2 | 82,9 | 86,6 | 98 | 105 | 110 | 124 | 136 | 142 | 161 | 156 | 164 | 185 |
| | Dp eau | 1,42 | 1,54 | 1,93 | 1,91 | 2,07 | 2,59 | 2,92 | 3,17 | 3,96 | 4,67 | 5,06 | 6,33 | 6,03 | 6,53 | 8,17 |
| 50/35 | Pc | 676 | 714 | 827 | 795 | 840 | 973 | 1000 | 1060 | 1230 | 1300 | 1370 | 1590 | 1490 | 1580 | 1830 |
| | Tsa | 29,1 | 28,6 | 27,0 | 28,4 | 27,9 | 26,2 | 27,4 | 26,8 | 25,0 | 26,4 | 25,8 | 23,8 | 25,9 | 25,2 | 23,1 |
| | De | 39 | 41,2 | 47,7 | 45,9 | 48,4 | 56,1 | 57,9 | 61,1 | 70,8 | 74,9 | 79,1 | 91,6 | 86,1 | 90,9 | 105 |
| | Dp eau | 0,49 | 0,545 | 0,711 | 0,662 | 0,731 | 0,953 | 1,01 | 1,11 | 1,45 | 1,61 | 1,77 | 2,31 | 2,07 | 2,28 | 2,98 |
| 70/50 | Pc | 1290 | 1320 | 1440 | 1510 | 1560 | 1690 | 1910 | 1970 | 2140 | 2480 | 2550 | 2780 | 2850 | 2940 | 3190 |
| | Tsa | 37,3 | 36,8 | 35,2 | 36 | 35,5 | 33,7 | 34,2 | 33,6 | 31,7 | 32,3 | 31,6 | 29,5 | 31,3 | 30,6 | 28,5 |
| | De | 56 | 57,7 | 62,8 | 66 | 67,9 | 73,9 | 83,4 | 85,9 | 93,4 | 108 | 111 | 121 | 124 | 128 | 139 |
| | Dp eau | 0,896 | 0,945 | 1,1 | 1,2 | 1,27 | 1,48 | 1,84 | 1,94 | 2,25 | 2,94 | 3,1 | 3,6 | 3,79 | 3,99 | 4,64 |
| 70/60 | Pc | 1540 | 1580 | 1690 | 1810 | 1860 | 2000 | 2300 | 2360 | 2530 | 2990 | 3060 | 3290 | 3450 | 3530 | 3790 |
| | Tsa | 40,7 | 40,2 | 38,5 | 39,2 | 38,6 | 36,9 | 37,1 | 36,4 | 34,5 | 34,8 | 34,1 | 32,0 | 33,6 | 32,9 | 30,8 |
| | De | 134 | 138 | 148 | 159 | 163 | 174 | 201 | 206 | 221 | 261 | 268 | 287 | 301 | 309 | 331 |
| | Dp eau | 4,29 | 4,48 | 5,1 | 5,78 | 6,04 | 6,86 | 8,87 | 9,27 | 10,5 | 14,3 | 14,9 | 16,9 | 18,5 | 19,3 | 21,9 |
| 80/60 | Pc | 1660 | 1700 | 1810 | 1950 | 2000 | 2140 | 2470 | 2530 | 2700 | 3210 | 3280 | 3500 | 3690 | 3780 | 4040 |
| | Tsa | 42,3 | 41,8 | 40,1 | 40,7 | 40,1 | 38,3 | 38,3 | 37,7 | 35,8 | 35,9 | 35,2 | 33,1 | 34,6 | 33,9 | 31,8 |
| | De | 72,6 | 74,3 | 79,4 | 85,6 | 87,5 | 93,6 | 108 | 111 | 118 | 140 | 144 | 154 | 162 | 166 | 177 |
| | Dp eau | 1,38 | 1,44 | 1,63 | 1,86 | 1,94 | 2,19 | 2,85 | 2,97 | 3,35 | 4,56 | 4,76 | 5,36 | 5,89 | 6,14 | 6,92 |

Size 600-3 row coil (2P C/O application)

| Entering Leaving water temperature | Fan speed Air flow L/sec (m3/h) Air entering Temperature °C (50% Rh) | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|--|---|----------|-------|-------|----------|-------|-------|----------|------|------|-----------|------|------|-----------|------|------|
| | | 51 (182) | | | 62 (225) | | | 91 (293) | | | 124 (447) | | | 142 (511) | | |
| | | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 |
| 45/40 | Pc | 1270 | 1330 | 1510 | 1500 | 1580 | 1790 | 1860 | 1950 | 2210 | 2580 | 2700 | 3070 | 2850 | 2990 | 3390 |
| | Tsa | 40,7 | 40,6 | 40,3 | 39,8 | 39,7 | 39,3 | 38,9 | 38,7 | 38,1 | 37,1 | 36,9 | 36,1 | 36,5 | 36,3 | 35,4 |
| | De | 220 | 230 | 261 | 260 | 272 | 309 | 322 | 337 | 383 | 446 | 467 | 531 | 493 | 516 | 587 |
| | Dp eau | 3,85 | 4,18 | 5,25 | 5,23 | 5,68 | 7,14 | 7,7 | 8,36 | 10,5 | 13,9 | 15,1 | 19,1 | 16,7 | 18,1 | 22,9 |
| 55/50 | Pc | 1830 | 1890 | 2080 | 2180 | 2250 | 2470 | 2700 | 2790 | 3060 | 3760 | 3880 | 4260 | 4160 | 4300 | 4710 |
| | Tsa | 49,9 | 49,7 | 49,4 | 48,7 | 48,5 | 48,1 | 47,3 | 47,2 | 46,6 | 44,9 | 44,7 | 43,9 | 44,1 | 43,9 | 43,0 |
| | De | 318 | 329 | 361 | 378 | 390 | 428 | 469 | 485 | 532 | 653 | 675 | 740 | 722 | 746 | 819 |
| | Dp eau | 7,27 | 7,71 | 9,12 | 9,94 | 10,5 | 12,5 | 14,7 | 15,6 | 18,5 | 26,8 | 28,5 | 33,7 | 32,2 | 34,2 | 40,5 |
| 55/45 | Pc | 1720 | 1780 | 1960 | 2030 | 2100 | 2320 | 2500 | 2590 | 2860 | 3440 | 3560 | 3940 | 3,79 | 3930 | 4350 |
| | Tsa | 48 | 47,9 | 47,5 | 46,7 | 46,6 | 46,1 | 45,3 | 45,1 | 44,6 | 42,8 | 42,6 | 41,8 | 42 | 41,8 | 40,9 |
| | De | 149 | 154 | 170 | 176 | 182 | 201 | 217 | 224 | 248 | 299 | 309 | 342 | 329 | 341 | 377 |
| | Dp eau | 1,85 | 1,97 | 2,35 | 2,5 | 2,66 | 3,18 | 3,65 | 3,89 | 4,66 | 6,53 | 6,96 | 8,36 | 7,8 | 0,32 | 9,99 |
| 55/40 | Pc | 1580 | 1640 | 1830 | 1850 | 1920 | 2140 | 2260 | 2350 | 2630 | 3080 | 3210 | 3590 | 3390 | 3530 | 3950 |
| | Tsa | 45,7 | 45,6 | 45,4 | 44,4 | 44,3 | 43,9 | 42,9 | 42,8 | 42,3 | 40,5 | 40,2 | 39,5 | 39,7 | 39,4 | 38,6 |
| | De | 91,1 | 94,7 | 105 | 107 | 111 | 124 | 131 | 136 | 152 | 178 | 186 | 208 | 196 | 204 | 228 |
| | Dp eau | 0,765 | 0,821 | 0,998 | 1,02 | 1,1 | 1,33 | 1,47 | 1,58 | 1,93 | 2,58 | 2,78 | 3,4 | 3,07 | 3,3 | 4,05 |
| 50/45 | Pc | 1550 | 1610 | 1790 | 1840 | 1910 | 2130 | 2280 | 2370 | 2640 | 3170 | 3290 | 3670 | 3500 | 3640 | 4050 |
| | Tsa | 45,3 | 45,2 | 44,8 | 44,3 | 44,1 | 43,7 | 43,1 | 42,9 | 42,4 | 41 | 40,8 | 40,0 | 40,3 | 40,1 | 39,2 |
| | De | 269 | 279 | 311 | 319 | 331 | 369 | 396 | 411 | 457 | 549 | 571 | 635 | 607 | 631 | 703 |
| | Dp eau | 5,45 | 5,83 | 7,08 | 7,43 | 7,95 | 9,66 | 11 | 11,8 | 14,3 | 19,9 | 21,4 | 26 | 23,9 | 25,6 | 31,2 |
| 50/40 | Pc | 1430 | 1490 | 1670 | 1680 | 1750 | 1970 | 2070 | 2160 | 2430 | 2840 | 2960 | 3340 | 3130 | 3260 | 3680 |
| | Tsa | 43,3 | 43,2 | 42,9 | 42,2 | 42,0 | 41,6 | 41 | 40,8 | 40,2 | 38,8 | 38,6 | 37,9 | 38,2 | 37,9 | 37,1 |
| | De | 124 | 129 | 145 | 146 | 152 | 171 | 179 | 187 | 210 | 246 | 257 | 289 | 271 | 283 | 318 |
| | Dp eau | 1,34 | 1,45 | 1,79 | 1,81 | 1,95 | 2,41 | 2,63 | 2,84 | 3,51 | 4,67 | 5,04 | 6,26 | 5,56 | 6,01 | 7,47 |
| 50/35 | Pc | 1280 | 1340 | 1530 | 1490 | 1560 | 1790 | 1820 | 1910 | 2180 | 2460 | 2590 | 2970 | 2700 | 2840 | 3260 |
| | Tsa | 40,8 | 40,7 | 40,5 | 39,6 | 39,5 | 39,2 | 38,4 | 38,3 | 37,8 | 36,3 | 36,1 | 35,4 | 35,7 | 35,4 | 34,7 |
| | De | 73,6 | 77,2 | 88 | 85,9 | 90,1 | 103 | 105 | 110 | 126 | 142 | 149 | 171 | 156 | 164 | 188 |
| | Dp eau | 0,529 | 0,576 | 0,731 | 0,7 | 0,764 | 0,972 | 1 | 1,1 | 1,4 | 1,74 | 1,9 | 2,44 | 2,06 | 2,25 | 2,89 |
| 70/50 | Pc | 2320 | 2380 | 2580 | 2730 | 2800 | 3030 | 3340 | 3440 | 3720 | 4570 | 4700 | 5090 | 5030 | 5170 | 5610 |
| | Tsa | 57,8 | 57,7 | 57,4 | 55,9 | 55,8 | 55,4 | 53,9 | 53,7 | 53,2 | 50,4 | 50,1 | 49,4 | 49,2 | 48,9 | 48,1 |
| | De | 101 | 104 | 112 | 119 | 122 | 132 | 146 | 150 | 162 | 199 | 205 | 222 | 219 | 226 | 244 |
| | Dp eau | 0,888 | 0,933 | 1,07 | 1,19 | 1,25 | 1,44 | 1,72 | 1,81 | 2,09 | 3,04 | 3,2 | 3,69 | 3,61 | 3,8 | 4,4 |

Size 900-3 row coil (2P C/O application)

| Entering Leaving water temperature | Fan speed Air flow L/sec (m3/h) Air entering Temperature °C (50% Rh) | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|--|---|----------|-------|-------|------------|-------|-------|----------|-------|------|-----------|------|------|-----------|------|------|
| | | 89 (210) | | | 66,5 (240) | | | 97 (350) | | | 133 (480) | | | 153 (550) | | |
| | | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 |
| 45/40 | Pc | 1540 | 1610 | 1820 | 1730 | 1810 | 2050 | 2360 | 2470 | 2800 | 3050 | 3190 | 3620 | 3390 | 3550 | 4030 |
| | Tsa | 41,7 | 41,6 | 41,4 | 41,3 | 41,2 | 41,0 | 40 | 39,9 | 39,4 | 38,8 | 38,6 | 38,1 | 38,3 | 38,1 | 37,5 |
| | De | 266 | 278 | 315 | 299 | 312 | 354 | 408 | 427 | 485 | 527 | 552 | 626 | 582 | 614 | 697 |
| | Dp eau | 2,6 | 2,83 | 3,55 | 3,23 | 3,5 | 4,41 | 5,71 | 6,21 | 7,82 | 9,12 | 9,91 | 12,5 | 11,1 | 12,1 | 15,2 |
| 55/50 | Pc | 2200 | 2270 | 2490 | 2480 | 2560 | 2810 | 3410 | 3520 | 3860 | 4410 | 4560 | 5000 | 4920 | 5080 | 5580 |
| | Tsa | 51,1 | 51,0 | 50,8 | 50,7 | 50,6 | 50,3 | 48,9 | 48,7 | 48,3 | 47,3 | 47,1 | 46,5 | 46,5 | 46,3 | 45,7 |
| | De | 383 | 395 | 433 | 431 | 445 | 488 | 592 | 611 | 671 | 767 | 792 | 869 | 855 | 883 | 969 |
| | Dp eau | 4,92 | 5,22 | 6,18 | 6,11 | 6,48 | 7,68 | 10,9 | 11,6 | 13,7 | 17,6 | 18,6 | 22,1 | 21,4 | 22,7 | 26,9 |
| 55/45 | Pc | 2080 | 2160 | 2380 | 2340 | 2420 | 2670 | 3180 | 3290 | 3630 | 4090 | 4230 | 4680 | 4540 | 4700 | 5200 |
| | Tsa | 49,4 | 49,4 | 49,1 | 48,9 | 48,8 | 48,6 | 47 | 46,8 | 46,4 | 45,3 | 45,1 | 44,5 | 44,5 | 44,3 | 43,7 |
| | De | 181 | 187 | 206 | 203 | 210 | 232 | 276 | 286 | 315 | 355 | 367 | 406 | 394 | 408 | 446 |
| | Dp eau | 1,26 | 1,34 | 1,6 | 1,56 | 1,66 | 1,98 | 2,73 | 2,9 | 3,48 | 4,31 | 4,6 | 5,52 | 5,23 | 5,58 | 6,69 |
| 55/40 | Pc | 1940 | 2010 | 2230 | 2170 | 2250 | 2500 | 2910 | 3030 | 3370 | 3710 | 3860 | 4310 | 4110 | 4270 | 4770 |
| | Tsa | 47,3 | 47,3 | 47,2 | 46,8 | 46,7 | 46,5 | 44,7 | 44,6 | 44,2 | 42,9 | 42,8 | 42,3 | 42,2 | 42,0 | 41,4 |
| | De | 112 | 116 | 129 | 125 | 130 | 145 | 168 | 175 | 195 | 215 | 223 | 249 | 237 | 247 | 276 |
| | Dp eau | 0,529 | 0,567 | 0,688 | 0,65 | 0,696 | 0,845 | 1,11 | 1,2 | 1,46 | 1,74 | 1,87 | 2,28 | 2,09 | 2,25 | 2,75 |
| 50/45 | Pc | 1870 | 1940 | 2160 | 2100 | 2180 | 2430 | 2880 | 2990 | 3330 | 3730 | 3870 | 4310 | 4150 | 4320 | 4800 |
| | Tsa | 46,4 | 46,3 | 46,1 | 46 | 45,9 | 45,6 | 44,4 | 44,3 | 43,9 | 43,1 | 42,9 | 42,3 | 42,4 | 42,2 | 41,6 |
| | De | 324 | 336 | 374 | 365 | 379 | 421 | 500 | 519 | 577 | 647 | 672 | 747 | 740 | 748 | 833 |
| | Dp eau | 3,68 | 3,95 | 4,79 | 4,57 | 4,9 | 5,95 | 8,14 | 8,72 | 10,6 | 13 | 14 | 17 | 15,9 | 17 | 20,7 |
| 50/40 | Pc | 1740 | 1810 | 2030 | 1950 | 2030 | 2280 | 2640 | 2760 | 3100 | 3390 | 3540 | 3970 | 3760 | 3920 | 4410 |
| | Tsa | 44,6 | 44,5 | 44,3 | 44,1 | 44,1 | 43,8 | 42,4 | 42,3 | 41,9 | 41 | 40,8 | 40,2 | 40,3 | 40,1 | 39,5 |
| | De | 151 | 157 | 176 | 169 | 176 | 198 | 229 | 239 | 268 | 294 | 306 | 344 | 326 | 340 | 382 |
| | Dp eau | 0,921 | 0,992 | 1,22 | 1,13 | 1,22 | 1,51 | 1,97 | 2,13 | 2,63 | 3,1 | 3,35 | 4,15 | 3,75 | 4,05 | 5,02 |
| 50/35 | Pc | 1580 | 1650 | 1880 | 1760 | 1840 | 2100 | 2350 | 2470 | 2810 | 2980 | 3130 | 3580 | 3290 | 3460 | 3960 |
| | Tsa | 42,3 | 42,2 | 42,2 | 41,7 | 41,7 | 41,6 | 39,9 | 39,8 | 39,5 | 38,4 | 38,3 | 37,8 | 37,8 | 37,6 | 37,1 |
| | De | 90,8 | 95,2 | 108 | 101 | 106 | 121 | 136 | 142 | 162 | 172 | 181 | 206 | 190 | 200 | 228 |
| | Dp eau | 0,368 | 0,401 | 0,506 | 0,45 | 0,49 | 0,62 | 0,763 | 0,833 | 1,06 | 1,18 | 1,29 | 1,65 | 1,41 | 1,55 | 1,98 |
| 70/50 | Pc | 2840 | 2910 | 3150 | 3180 | 3260 | 3520 | 4290 | 4410 | 4760 | 5480 | 5630 | 6090 | 6070 | 6240 | 6760 |
| | Tsa | 60,1 | 60,0 | 59,9 | 59,3 | 59,2 | 59,0 | 56,4 | 56,2 | 55,8 | 53,9 | 53,7 | 53,2 | 52,8 | 52,6 | 52,0 |
| | De | 124 | 127 | 137 | 139 | 142 | 154 | 187 | 192 | 208 | 239 | 246 | 266 | 265 | 272 | 295 |
| | Dp eau | 0,612 | 0,643 | 0,739 | 0,753 | 0,79 | 0,909 | 1,3 | 1,37 | 1,57 | 2,04 | 2,14 | 2,47 | 2,46 | 2,58 | 2,98 |

Size 1200-3 row coil (2P C/O application)

| Entering Leaving water temperature | Fan speed Air flow L/sec (m3/h) Air entering Temperature °C (50% Rh) | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|--|---|----------|-------|-------|----------|-------|------|-----------|------|------|-------------|------|------|-----------|------|------|
| | | 61 (220) | | | 78 (280) | | | 111 (400) | | | 166,5 (600) | | | 208 (750) | | |
| | | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 |
| 45/40 | Pc | 1670 | 1740 | 1970 | 2070 | 2160 | 2450 | 2830 | 2960 | 3350 | 3920 | 4110 | 4660 | 4680 | 4900 | 5560 |
| | Tsa | 42,5 | 42,4 | 42,3 | 41,9 | 41,9 | 41,6 | 41 | 40,9 | 40,5 | 39,4 | 39,2 | 38,7 | 38,5 | 38,3 | 37,7 |
| | De | 289 | 302 | 341 | 358 | 374 | 424 | 489 | 512 | 580 | 679 | 710 | 805 | 810 | 848 | 962 |
| | Dp eau | 3,75 | 4,07 | 5,1 | 5,56 | 6,03 | 7,57 | 9,81 | 10,7 | 13,4 | 17,8 | 19,4 | 24,4 | 24,7 | 26,8 | 33,7 |
| 55/50 | Pc | 2380 | 2460 | 2690 | 2960 | 3060 | 3350 | 4060 | 4190 | 4600 | 5660 | 5850 | 6410 | 6770 | 7000 | 7670 |
| | Tsa | 52,1 | 52,0 | 51,9 | 51,4 | 51,3 | 51,1 | 50,1 | 50,0 | 49,6 | 48 | 47,8 | 47,3 | 46,8 | 50,0 | 45,9 |
| | De | 414 | 427 | 468 | 514 | 531 | 582 | 705 | 728 | 798 | 983 | 1016 | 1114 | 117 | 1216 | 1333 |
| | Dp eau | 7,01 | 7,43 | 8,78 | 10,4 | 11,1 | 13,1 | 17,5 | 19,7 | 23,3 | 34,1 | 36,1 | 42,8 | 47,3 | 50,2 | 59,4 |
| 55/45 | Pc | 2280 | 2360 | 2590 | 2820 | 2920 | 3210 | 3830 | 3970 | 4370 | 5290 | 5480 | 6040 | 6300 | 6520 | 7200 |
| | Tsa | 50,7 | 50,7 | 50,5 | 49,9 | 49,8 | 49,6 | 48,4 | 48,3 | 48,0 | 46,2 | 46,0 | 45,5 | 44,9 | 44,7 | 44,1 |
| | De | 198 | 205 | 225 | 245 | 253 | 279 | 333 | 344 | 379 | 459 | 475 | 525 | 547 | 566 | 625 |
| | Dp eau | 1,84 | 1,93 | 2,33 | 2,71 | 2,89 | 3,44 | 4,75 | 5,06 | 6,04 | 8,55 | 9,11 | 10,9 | 11,8 | 12,5 | 15 |
| 55/40 | Pc | 2150 | 2230 | 2470 | 2640 | 2740 | 3040 | 3560 | 3700 | 4110 | 4860 | 5050 | 5620 | 5760 | 5980 | 6670 |
| | Tsa | 49 | 48,9 | 48,9 | 48 | 48,0 | 47,8 | 46,4 | 46,3 | 46,1 | 44 | 43,9 | 43,4 | 42,8 | 42,6 | 42,0 |
| | De | 124 | 129 | 143 | 153 | 158 | 176 | 206 | 214 | 237 | 281 | 292 | 325 | 333 | 346 | 385 |
| | Dp eau | 0,795 | 0,85 | 1,02 | 1,16 | 1,24 | 1,5 | 2 | 2,14 | 2,59 | 5,52 | 3,77 | 4,59 | 4,79 | 5,14 | 6,26 |
| 50/45 | Pc | 2020 | 2100 | 2330 | 2520 | 2610 | 2900 | 3440 | 3570 | 3970 | 4790 | 4980 | 5530 | 5730 | 5950 | 6620 |
| | Tsa | 47,3 | 47,2 | 47,1 | 46,7 | 46,6 | 46,3 | 45,5 | 45,4 | 45,1 | 43,7 | 43,5 | 43,0 | 42,7 | 42,5 | 41,8 |
| | De | 351 | 364 | 405 | 436 | 453 | 503 | 597 | 620 | 689 | 831 | 863 | 959 | 993 | 1031 | 1147 |
| | Dp eau | 5,28 | 5,65 | 6,84 | 7,84 | 8,4 | 10,2 | 13,9 | 14,9 | 18,1 | 25,4 | 27,2 | 33,1 | 35,2 | 37,7 | 45,8 |
| 50/40 | Pc | 1920 | 1990 | 2230 | 2360 | 2460 | 2750 | 3210 | 3340 | 3740 | 4410 | 5490 | 5150 | 5240 | 5460 | 6130 |
| | Tsa | 45,8 | 45,8 | 45,7 | 45,1 | 45,0 | 44,8 | 43,8 | 43,7 | 43,4 | 41,8 | 41,6 | 41,1 | 40,7 | 40,5 | 39,9 |
| | De | 166 | 173 | 193 | 205 | 213 | 238 | 278 | 389 | 324 | 382 | 398 | 446 | 453 | 473 | 531 |
| | Dp eau | 1,36 | 1,46 | 1,79 | 1,99 | 2,15 | 2,63 | 3,47 | 3,74 | 4,6 | 6,2 | 6,68 | 8,24 | 8,49 | 9,16 | 11,3 |
| 50/35 | Pc | 1770 | 1850 | 2090 | 2160 | 2270 | 2570 | 2900 | 3040 | 3450 | 3940 | 4130 | 4700 | 4650 | 4880 | 5560 |
| | Tsa | 43,8 | 43,8 | 43,8 | 42,9 | 42,9 | 42,8 | 41,5 | 41,5 | 41,3 | 39,5 | 39,4 | 39,0 | 38,4 | 38,2 | 37,7 |
| | De | 102 | 106 | 120 | 125 | 131 | 148 | 167 | 175 | 199 | 227 | 238 | 271 | 268 | 281 | 321 |
| | Dp eau | 0,565 | 0,612 | 0,766 | 0,818 | 0,888 | 1,11 | 1,4 | 1,52 | 1,91 | 2,43 | 2,65 | 3,36 | 3,29 | 3,59 | 4,56 |
| 70/50 | Pc | 3460 | 3210 | 3460 | 4270 | 3960 | 4270 | 5780 | 5360 | 5780 | 7930 | 7340 | 7930 | 9410 | 8710 | 9410 |
| | Tsa | 62,1 | 62,2 | 62,1 | 60,7 | 60,8 | 60,7 | 58,3 | 58,6 | 58,3 | 54,7 | 55,2 | 54,7 | 52,7 | 53,3 | 52,7 |
| | De | 151 | 140 | 151 | 186 | 173 | 186 | 252 | 233 | 252 | 346 | 320 | 346 | 410 | 380 | 410 |
| | Dp eau | 1,09 | 0,953 | 1,09 | 1,6 | 1,39 | 1,6 | 2,77 | 2,42 | 2,77 | 4,93 | 4,29 | 4,93 | 6,74 | 5,85 | 6,74 |

Size 600-4 row coil (2P C/O application)

| Entering Leaving water temperature | Fan speed Air flow L/sec (m3/h) Air entering Temperature °C (50% Rh) | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|--|---|----------|-------|------|----------|------|------|----------|------|------|-----------|------|------|-----------|------|------|
| | | 51 (182) | | | 62 (225) | | | 91 (293) | | | 124 (447) | | | 142 (511) | | |
| | | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 |
| 45/40 | Pc | 1390 | 1450 | 1640 | 1670 | 1740 | 1970 | 2090 | 2190 | 2480 | 2970 | 3100 | 3520 | 3330 | 3450 | 3920 |
| | Tsa | 42,6 | 42,6 | 42,4 | 42 | 41,9 | 41,7 | 41,2 | 41,1 | 40,8 | 39,7 | 39,5 | 39,1 | 39,2 | 39,0 | 38,5 |
| | De | 240 | 251 | 284 | 288 | 301 | 341 | 362 | 378 | 429 | 513 | 537 | 609 | 571 | 598 | 678 |
| | Dp eau | 5,94 | 6,43 | 8,05 | 8,26 | 8,96 | 11,2 | 12,5 | 13,5 | 17 | 23,5 | 25,5 | 32,1 | 28,5 | 30 | 39 |
| 55/50 | Pc | 1980 | 2040 | 2240 | 2380 | 2460 | 2700 | 3000 | 3100 | 3400 | 4280 | 4420 | 4850 | 4770 | 4930 | 5400 |
| | Tsa | 52,3 | 52,2 | 52,1 | 51,4 | 51,4 | 51,1 | 50,4 | 50,3 | 50,0 | 48,4 | 48,3 | 47,8 | 47,7 | 47,5 | 47,0 |
| | De | 344 | 355 | 389 | 414 | 428 | 469 | 522 | 539 | 591 | 744 | 768 | 842 | 829 | 856 | 939 |
| | Dp eau | 11 | 11,7 | 13,8 | 15,4 | 16,3 | 19,3 | 23,4 | 24,8 | 29,3 | 44,5 | 47,2 | 55,8 | 54,2 | 57,5 | 67,9 |
| 55/45 | Pc | 1890 | 1960 | 2160 | 2270 | 2340 | 2580 | 2830 | 2930 | 3230 | 4000 | 4140 | 4570 | 4440 | 4600 | 5070 |
| | Tsa | 50,9 | 50,8 | 50,7 | 49,9 | 49,8 | 49,6 | 48,7 | 48,6 | 48,3 | 46,5 | 46,4 | 45,9 | 45,8 | 45,6 | 45,1 |
| | De | 164 | 170 | 187 | 197 | 203 | 224 | 246 | 255 | 281 | 347 | 359 | 396 | 385 | 399 | 440 |
| | Dp eau | 2,91 | 3,1 | 3,68 | 4,03 | 4,28 | 5,1 | 6,04 | 6,43 | 7,67 | 11,3 | 12 | 14,3 | 13,6 | 14,5 | 17,4 |
| 55/40 | Pc | 1780 | 1850 | 2050 | 2120 | 2200 | 2440 | 2630 | 2730 | 3030 | 3660 | 3810 | 4240 | 4060 | 4220 | 4700 |
| | Tsa | 49 | 49,0 | 49,0 | 47,9 | 47,9 | 47,7 | 46,6 | 46,5 | 46,3 | 44,3 | 44,2 | 43,8 | 43,5 | 43,4 | 42,9 |
| | De | 103 | 107 | 118 | 122 | 127 | 141 | 152 | 158 | 175 | 212 | 220 | 245 | 234 | 244 | 271 |
| | Dp eau | 1,26 | 1,35 | 1,62 | 1,72 | 1,84 | 2,22 | 2,55 | 2,72 | 3,3 | 4,64 | 4,98 | 6,05 | 5,58 | 5,99 | 7,29 |
| 50/45 | Pc | 1680 | 1750 | 1940 | 2030 | 2100 | 2340 | 2550 | 2640 | 2940 | 3620 | 3760 | 4180 | 4040 | 4190 | 4660 |
| | Tsa | 47,5 | 47,4 | 47,0 | 46,7 | 46,6 | 46,4 | 45,8 | 45,7 | 45,4 | 44,1 | 43,9 | 43,4 | 43,4 | 43,3 | 42,7 |
| | De | 292 | 303 | 337 | 351 | 364 | 405 | 442 | 458 | 510 | 628 | 652 | 725 | 700 | 727 | 808 |
| | Dp eau | 8,31 | 8,89 | 10,8 | 11,6 | 12,4 | 15 | 17,6 | 18,8 | 22,8 | 33,3 | 35,7 | 43,3 | 40,5 | 43,4 | 52,6 |
| 50/40 | Pc | 1590 | 1660 | 1850 | 1900 | 1980 | 2210 | 2370 | 2470 | 2760 | 3330 | 3470 | 3890 | 3690 | 3850 | 4320 |
| | Tsa | 45,9 | 45,9 | 45,8 | 45 | 45,0 | 44,8 | 44 | 43,9 | 43,6 | 42,1 | 41,9 | 41,5 | 41,4 | 41,3 | 40,7 |
| | De | 138 | 143 | 160 | 164 | 171 | 192 | 205 | 214 | 239 | 288 | 300 | 337 | 319 | 333 | 374 |
| | Dp eau | 2,15 | 2,31 | 2,83 | 2,96 | 3,19 | 3,91 | 4,42 | 4,76 | 5,85 | 8,18 | 8,81 | 10,9 | 9,87 | 10,6 | 13,1 |
| 50/35 | Pc | 1460 | 1530 | 1730 | 1730 | 1810 | 2050 | 2140 | 2240 | 2550 | 2960 | 3110 | 3540 | 3270 | 3430 | 3920 |
| | Tsa | 43,8 | 43,8 | 43,9 | 42,8 | 42,8 | 42,7 | 41,7 | 41,6 | 41,5 | 39,7 | 39,6 | 39,2 | 39 | 38,9 | 38,4 |
| | De | 84,3 | 88,2 | 99,8 | 99,7 | 104 | 118 | 123 | 129 | 147 | 171 | 179 | 204 | 189 | 198 | 226 |
| | Dp eau | 0,893 | 0,969 | 1,21 | 1,21 | 1,32 | 1,65 | 1,78 | 1,93 | 2,44 | 3,21 | 3,5 | 4,43 | 3,84 | 4,19 | 5,32 |
| 70/50 | Pc | 2600 | 2670 | 2880 | 3100 | 3180 | 3430 | 3850 | 3960 | 4270 | 5390 | 5540 | 5980 | 5970 | 6140 | 6630 |
| | Tsa | 62,4 | 62,4 | 62,3 | 60,8 | 60,8 | 60,6 | 59 | 58,9 | 58,7 | 55,8 | 55,6 | 55,2 | 54,7 | 54,5 | 54,0 |
| | De | 113 | 116 | 125 | 135 | 139 | 149 | 168 | 172 | 186 | 235 | 241 | 261 | 260 | 268 | 289 |
| | Dp eau | 1,44 | 1,51 | 1,73 | 1,97 | 2,07 | 2,31 | 2,93 | 3,08 | 3,53 | 5,38 | 5,65 | 6,5 | 6,48 | 6,81 | 7,84 |

Size 900-4 row coil (2P C/O application)

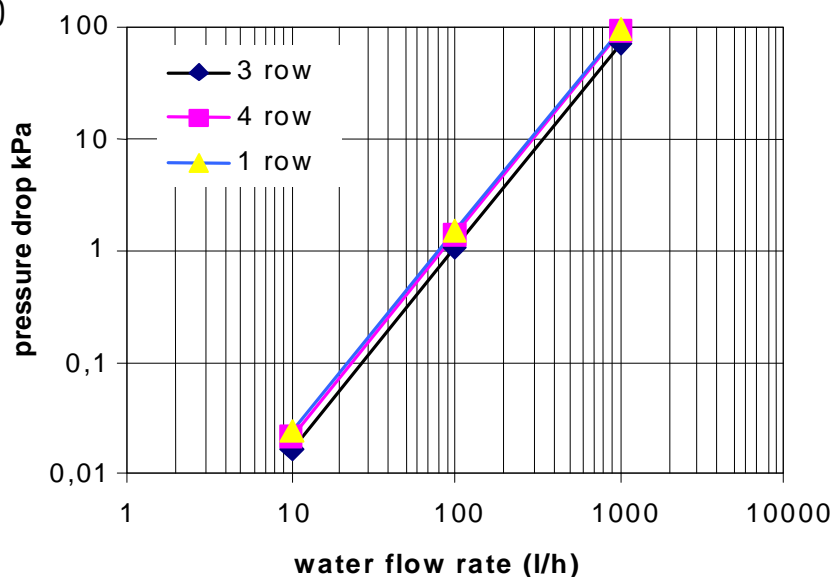
| Entering Leaving water temperature | Fan speed Air flow L/sec (m3/h) Air entering Temperature °C (50% Rh) | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|--|---|----------|-------|-------|------------|-------|-------|----------|------|------|-----------|------|------|-----------|------|------|
| | | 89 (210) | | | 66,5 (240) | | | 97 (350) | | | 133 (480) | | | 153 (550) | | |
| | | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 |
| 45/40 | Pc | 1640 | 1720 | 1940 | 1860 | 1940 | 2200 | 2590 | 2710 | 3070 | 3400 | 3560 | 4030 | 3810 | 3990 | 4520 |
| | Tsa | 43,2 | 43,2 | 43,1 | 43 | 42,9 | 42,8 | 42 | 41,9 | 41,7 | 41 | 40,9 | 40,6 | 40,6 | 40,4 | 40,1 |
| | De | 284 | 297 | 336 | 322 | 336 | 380 | 449 | 469 | 531 | 588 | 615 | 697 | 659 | 690 | 782 |
| | Dp eau | 3,6 | 3,9 | 4,88 | 4,5 | 4,88 | 6,11 | 8,24 | 8,94 | 11,2 | 13,5 | 14,7 | 18,4 | 16,6 | 18,1 | 22,7 |
| 55/50 | Pc | 2340 | 2420 | 2650 | 2660 | 2740 | 3000 | 3720 | 3830 | 4220 | 4910 | 5050 | 5560 | 5510 | 5660 | 6250 |
| | Tsa | 53,1 | 53,0 | 53,0 | 52,8 | 52,7 | 52,7 | 51,6 | 51,4 | 51,3 | 50,4 | 50,1 | 49,9 | 49,8 | 49,4 | 49,2 |
| | De | 407 | 420 | 461 | 461 | 475 | 522 | 647 | 666 | 733 | 853 | 877 | 966 | 958 | 984 | 1085 |
| | Dp eau | 7,09 | 7,07 | 8,87 | 8,89 | 8,87 | 11,1 | 16,5 | 16,4 | 20,7 | 27,3 | 27,1 | 34,3 | 33,7 | 33,5 | 42,3 |
| 55/45 | Pc | 2260 | 2330 | 2570 | 2550 | 2630 | 2910 | 3550 | 3650 | 4040 | 4640 | 4770 | 5290 | 5190 | 5330 | 5920 |
| | Tsa | 52 | 51,8 | 51,9 | 51,6 | 51,4 | 51,5 | 50,1 | 49,8 | 49,8 | 48,7 | 48,4 | 48,3 | 48 | 47,7 | 47,5 |
| | De | 196 | 202 | 223 | 222 | 228 | 252 | 308 | 317 | 351 | 403 | 414 | 459 | 451 | 463 | 514 |
| | Dp eau | 1,86 | 1,88 | 2,39 | 2,36 | 2,38 | 2,98 | 4,29 | 4,26 | 5,44 | 6,99 | 6,94 | 8,89 | 8,58 | 8,51 | 10,9 |
| 55/40 | Pc | 2140 | 2210 | 2450 | 2400 | 2490 | 2760 | 3290 | 3420 | 3800 | 4260 | 4430 | 4930 | 4750 | 4940 | 5490 |
| | Tsa | 50,2 | 50,2 | 50,2 | 49,7 | 49,7 | 49,7 | 47,9 | 47,9 | 47,8 | 46,4 | 46,3 | 46,0 | 45,6 | 45,5 | 45,2 |
| | De | 123 | 128 | 142 | 139 | 144 | 160 | 190 | 198 | 219 | 246 | 256 | 285 | 275 | 285 | 317 |
| | Dp eau | 0,774 | 0,827 | 0,995 | 0,959 | 1,02 | 1,23 | 1,7 | 1,82 | 2,2 | 2,72 | 2,92 | 3,54 | 3,32 | 3,56 | 4,32 |
| 50/45 | Pc | 2000 | 2070 | 2300 | 2260 | 2340 | 2610 | 3170 | 3270 | 3650 | 4170 | 4300 | 4810 | 4680 | 4820 | 5400 |
| | Tsa | 48,2 | 48,1 | 48,1 | 47,9 | 47,8 | 47,8 | 46,8 | 46,6 | 46,5 | 45,8 | 45,5 | 45,3 | 45,2 | 44,9 | 44,7 |
| | De | 346 | 358 | 399 | 392 | 406 | 452 | 549 | 567 | 633 | 722 | 746 | 833 | 811 | 836 | 936 |
| | Dp eau | 5,36 | 5,39 | 6,93 | 6,71 | 6,75 | 8,69 | 12,4 | 12,4 | 16,1 | 20,5 | 20,5 | 26,6 | 25,3 | 25,3 | 32,8 |
| 50/40 | Pc | 1900 | 1970 | 2210 | 2140 | 2230 | 2490 | 2950 | 3080 | 3440 | 3850 | 4010 | 4490 | 4300 | 4480 | 5020 |
| | Tsa | 46,8 | 46,8 | 46,7 | 46,5 | 46,4 | 46,4 | 45,1 | 45,0 | 44,8 | 43,8 | 43,7 | 43,4 | 43,2 | 43,1 | 42,7 |
| | De | 164 | 171 | 191 | 185 | 193 | 215 | 256 | 266 | 298 | 333 | 347 | 389 | 372 | 388 | 435 |
| | Dp eau | 1,31 | 1,41 | 1,73 | 1,63 | 1,76 | 2,15 | 2,94 | 3,17 | 3,89 | 4,75 | 5,12 | 6,31 | 5,82 | 6,27 | 7,72 |
| 50/35 | Pc | 1770 | 1840 | 2090 | 1990 | 2070 | 2350 | 2720 | 2820 | 3220 | 3510 | 3630 | 4170 | 3900 | 4040 | 4650 |
| | Tsa | 45,1 | 44,9 | 45,2 | 44,6 | 44,5 | 44,7 | 43,1 | 42,8 | 43,0 | 41,7 | 41,4 | 41,5 | 41,1 | 40,7 | 40,8 |
| | De | 102 | 106 | 121 | 115 | 119 | 136 | 157 | 163 | 186 | 202 | 210 | 241 | 225 | 233 | 268 |
| | Dp eau | 0,593 | 0,598 | 0,8 | 0,732 | 0,738 | 0,991 | 1,29 | 1,3 | 1,76 | 2,05 | 2,06 | 2,81 | 2,49 | 2,5 | 3,42 |
| 70/50 | Pc | 3110 | 3190 | 3440 | 3500 | 3600 | 3870 | 4820 | 4950 | 5340 | 6260 | 6420 | 6930 | 6980 | 7170 | 7740 |
| | Tsa | 64 | 63,9 | 63,9 | 63,3 | 63,3 | 63,2 | 60,9 | 60,8 | 60,6 | 58,7 | 58,6 | 59,3 | 57,6 | 57,5 | 57,2 |
| | De | 136 | 139 | 150 | 153 | 157 | 169 | 210 | 216 | 233 | 273 | 280 | 302 | 304 | 312 | 337 |
| | Dp eau | 0,883 | 0,925 | 1,06 | 1,1 | 1,15 | 1,32 | 1,96 | 2,06 | 2,36 | 3,15 | 3,31 | 3,8 | 3,84 | 4,04 | 4,64 |

Size 1200-4 row coil (2P C/O application)

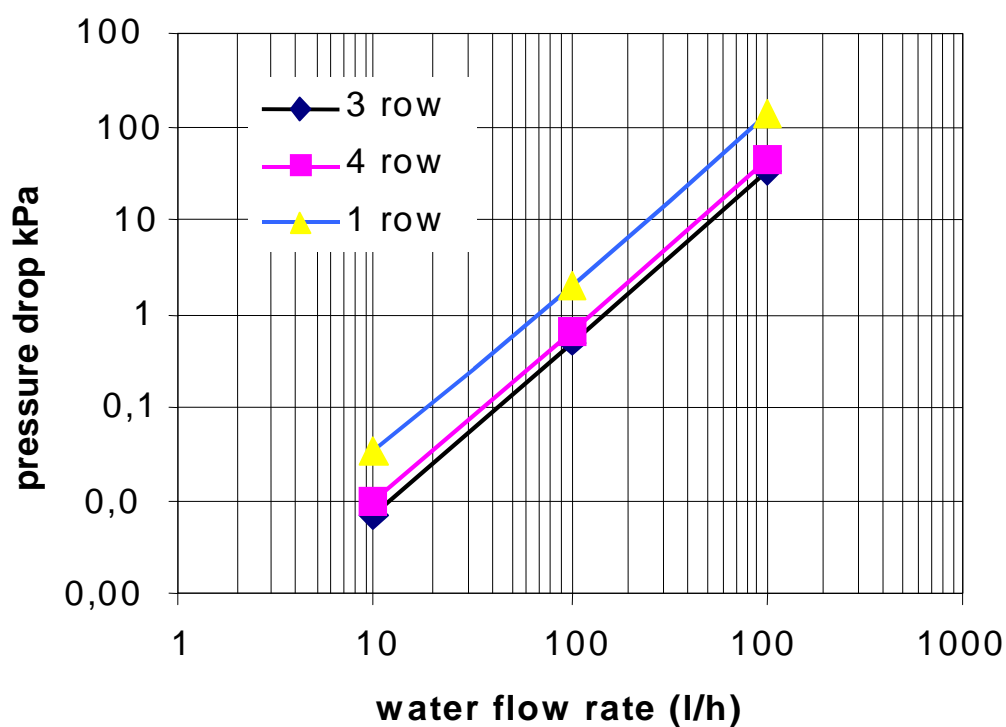
| Entering Leaving water temperature | Fan speed Air flow L/sec (m3/h) Air entering Temperature °C (50% Rh) | V1 | | | V2 | | | V3 | | | V4 | | | V5 | | |
|--|---|----------|-------|------|----------|------|------|-----------|------|------|-------------|------|------|-----------|------|-------|
| | | 61 (220) | | | 78 (280) | | | 111 (400) | | | 166,5 (600) | | | 208 (750) | | |
| | | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 | 20 | 19 | 16 |
| 45/40 | Pc | 1760 | 1840 | 2080 | 2210 | 2310 | 2610 | 3060 | 3200 | 3620 | 4350 | 4540 | 5140 | 5250 | 5490 | 6220 |
| | Tsa | 43,8 | 43,8 | 43,7 | 43,4 | 43,4 | 43,3 | 42,7 | 42,7 | 42,5 | 41,5 | 41,0 | 41,1 | 40,8 | 40,6 | 40,3 |
| | De | 305 | 319 | 360 | 382 | 399 | 451 | 530 | 554 | 626 | 752 | 786 | 890 | 908 | 949 | 1075 |
| | Dp eau | 5,08 | 5,5 | 6,86 | 7,65 | 8,28 | 10,4 | 13,9 | 15 | 18,8 | 26,2 | 28,4 | 35,6 | 36,9 | 40,1 | 50,3 |
| 55/50 | Pc | 2500 | 2580 | 2820 | 3140 | 3240 | 3550 | 4360 | 4500 | 4940 | 6220 | 6420 | 7040 | 7530 | 7780 | 8520 |
| | Tsa | 53,7 | 53,7 | 53,6 | 53,2 | 53,2 | 53,1 | 52,4 | 52,2 | 52,1 | 50,8 | 50,7 | 50,4 | 49,8 | 49,7 | 49,3 |
| | De | 434 | 448 | 491 | 545 | 562 | 616 | 758 | 783 | 858 | 1081 | 1160 | 1223 | 1308 | 1351 | 1481 |
| | Dp eau | 9,33 | 9,89 | 11,7 | 14,1 | 15 | 17,7 | 25,8 | 27,3 | 32,3 | 49,2 | 52,2 | 61,7 | 69,7 | 73,9 | 87,4 |
| 55/45 | Pc | 2430 | 2510 | 2760 | 3040 | 3140 | 3450 | 4190 | 4330 | 4770 | 5910 | 6120 | 6740 | 7120 | 7360 | 8110 |
| | Tsa | 52,8 | 52,8 | 52,7 | 52,2 | 52,1 | 52,1 | 51,1 | 51,0 | 50,9 | 49,2 | 49,1 | 48,9 | 48,2 | 48,0 | 47,7 |
| | De | 211 | 218 | 239 | 263 | 272 | 299 | 364 | 376 | 414 | 513 | 531 | 584 | 618 | 639 | 704 |
| | Dp eau | 2,53 | 2,69 | 3,19 | 3,8 | 4,03 | 4,79 | 6,82 | 7,25 | 8,63 | 12,8 | 13,6 | 16,2 | 17,9 | 19 | 22,7 |
| 55/40 | Pc | 1330 | 2410 | 2670 | 2900 | 3000 | 3320 | 3960 | 4110 | 4550 | 5530 | 5740 | 6370 | 6620 | 6870 | 7630 |
| | Tsa | 51,4 | 51,5 | 51,5 | 50,7 | 50,7 | 50,7 | 49,4 | 49,4 | 49,3 | 47,3 | 47,3 | 47,1 | 46,2 | 46,1 | 45,8 |
| | De | 135 | 139 | 154 | 157 | 173 | 192 | 229 | 238 | 263 | 319 | 331 | 368 | 382 | 397 | 441 |
| | Dp eau | 1,13 | 1,21 | 1,45 | 1,68 | 1,79 | 2,15 | 2,97 | 3,17 | 3,82 | 5,44 | 5,81 | 7,02 | 7,54 | 8,07 | 9,76 |
| 50/45 | Pc | 2130 | 2210 | 2450 | 2670 | 2770 | 3080 | 3710 | 3850 | 4280 | 5280 | 5490 | 6090 | 6390 | 6630 | 7370 |
| | Tsa | 48,7 | 48,7 | 48,6 | 48,3 | 48,3 | 48,2 | 47,5 | 47,5 | 47,3 | 46,1 | 46,0 | 45,7 | 45,3 | 45,2 | 44,8 |
| | De | 369 | 383 | 425 | 463 | 481 | 534 | 644 | 668 | 742 | 916 | 951 | 1056 | 1108 | 1150 | 1278 |
| | Dp eau | 7,08 | 7,57 | 9,14 | 10,7 | 11,4 | 13,8 | 19,4 | 20,8 | 25,2 | 37 | 39,6 | 47,9 | 52,3 | 55,9 | 67,8 |
| 50/40 | Pc | 2050 | 2140 | 2380 | 2560 | 2660 | 2970 | 3530 | 3670 | 4010 | 4950 | 5160 | 5770 | 5950 | 6200 | 6940 |
| | Tsa | 47,7 | 47,7 | 47,7 | 47,1 | 47,1 | 47,1 | 46,2 | 46,1 | 46,0 | 44,5 | 44,4 | 44,2 | 43,5 | 43,4 | 43,1 |
| | De | 178 | 185 | 206 | 222 | 231 | 257 | 305 | 318 | 355 | 429 | 447 | 500 | 515 | 537 | 601 |
| | Dp eau | 1,89 | 2,03 | 2,47 | 2,83 | 3,03 | 3,7 | 5,05 | 5,43 | 6,64 | 9,37 | 10,1 | 12,4 | 13,1 | 14,1 | 17,3 |
| 50/35 | Pc | 1940 | 2020 | 2270 | 2400 | 2510 | 2820 | 3270 | 3420 | 3860 | 4530 | 4740 | 5370 | 5400 | 5650 | 6420 |
| | Tsa | 46,1 | 46,2 | 46,3 | 45,4 | 45,5 | 45,5 | 44,2 | 44,3 | 44,2 | 42,4 | 42,3 | 42,2 | 41,4 | 41,3 | 41,0 |
| | De | 112 | 117 | 131 | 135 | 144 | 163 | 188 | 197 | 222 | 261 | 273 | 310 | 311 | 326 | 370 |
| | Dp eau | 0,821 | 0,887 | 1,1 | 1,21 | 1,31 | 1,63 | 2,12 | 2,3 | 2,87 | 3,83 | 4,16 | 5,22 | 5,28 | 5,74 | 7,22 |
| 70/50 | Pc | 3380 | 3460 | 3720 | 4210 | 4310 | 4640 | 5770 | 5920 | 6380 | 8080 | 8290 | 8940 | 9680 | 9940 | 10700 |
| | Tsa | 65,6 | 65,6 | 65,6 | 64,6 | 64,6 | 64,5 | 62,8 | 62,8 | 62,7 | 59,9 | 59,9 | 59,6 | 58,3 | 58,2 | 57,9 |
| | De | 147 | 151 | 162 | 183 | 188 | 202 | 252 | 258 | 278 | 352 | 361 | 390 | 422 | 433 | 467 |
| | Dp eau | 1,28 | 1,34 | 1,53 | 1,9 | 1,99 | 2,28 | 3,38 | 3,55 | 4,06 | 6,23 | 6,54 | 7,5 | 8,67 | 9,1 | 10,4 |

Coil water pressure drop

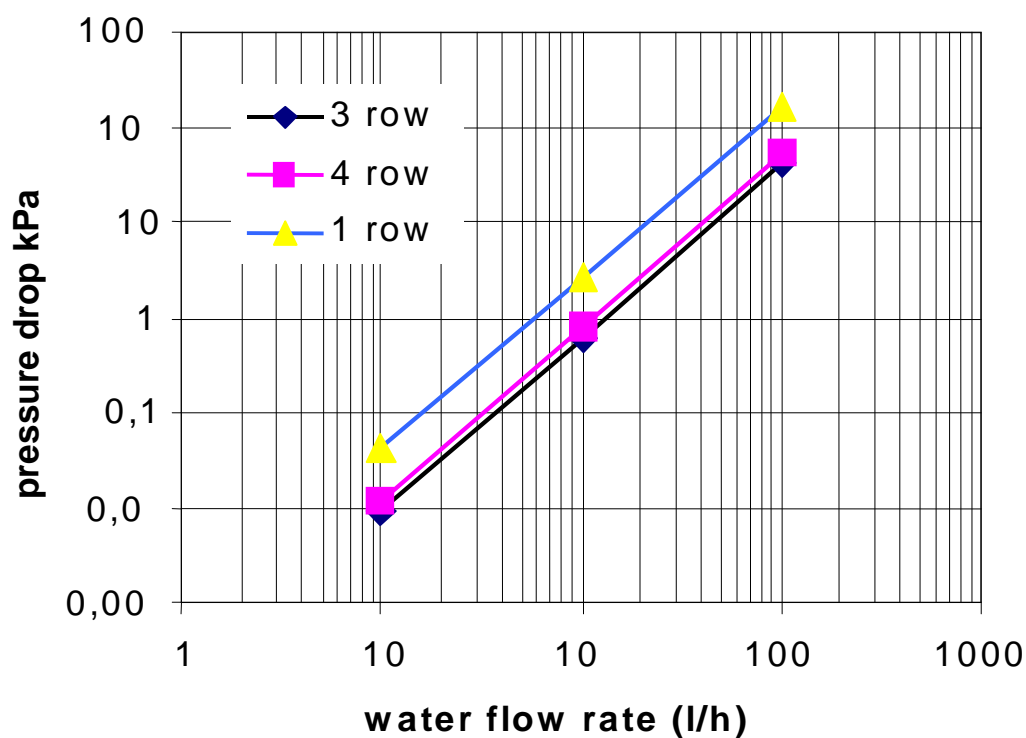
Size 600



Size 900

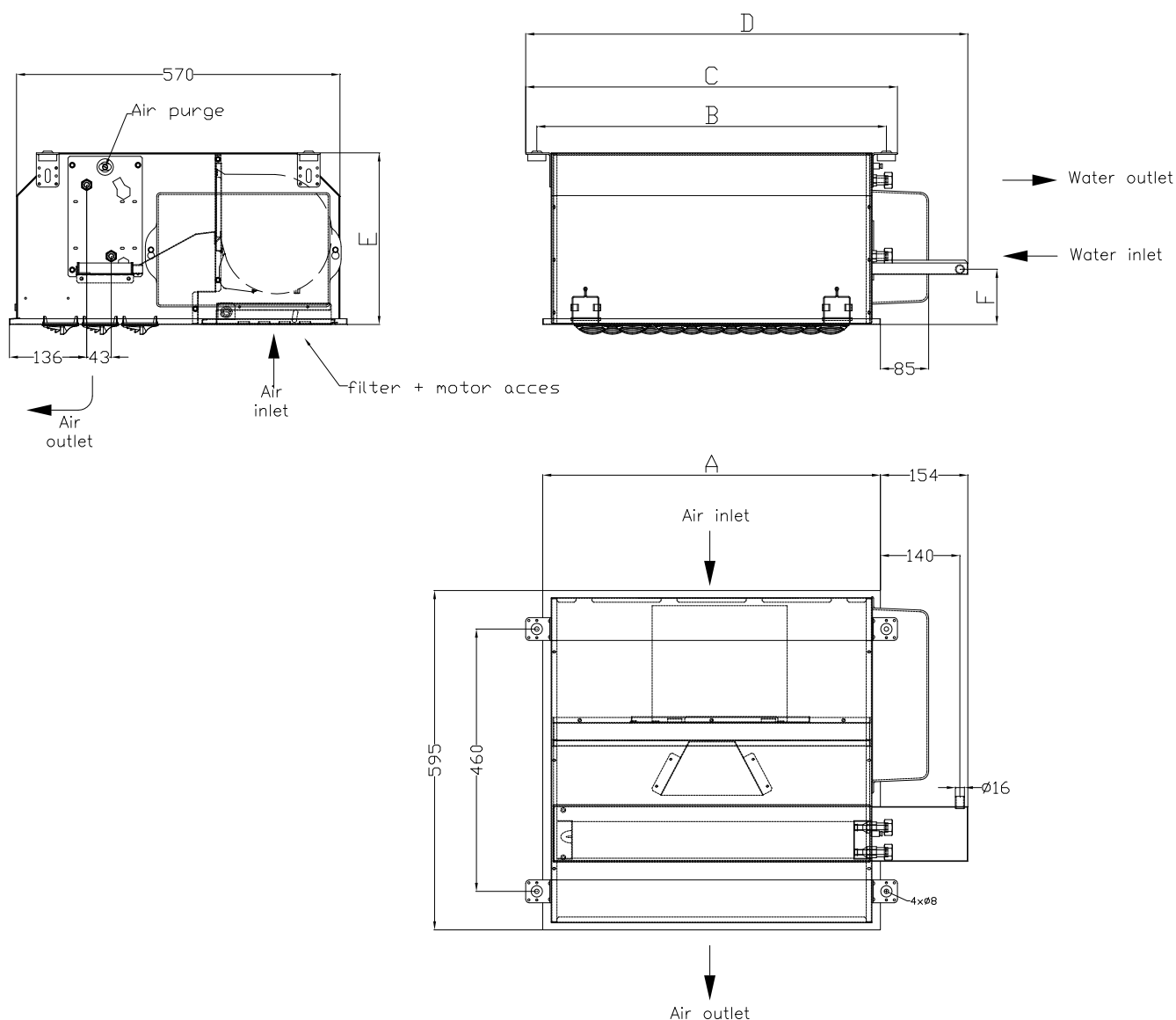


Size 1200



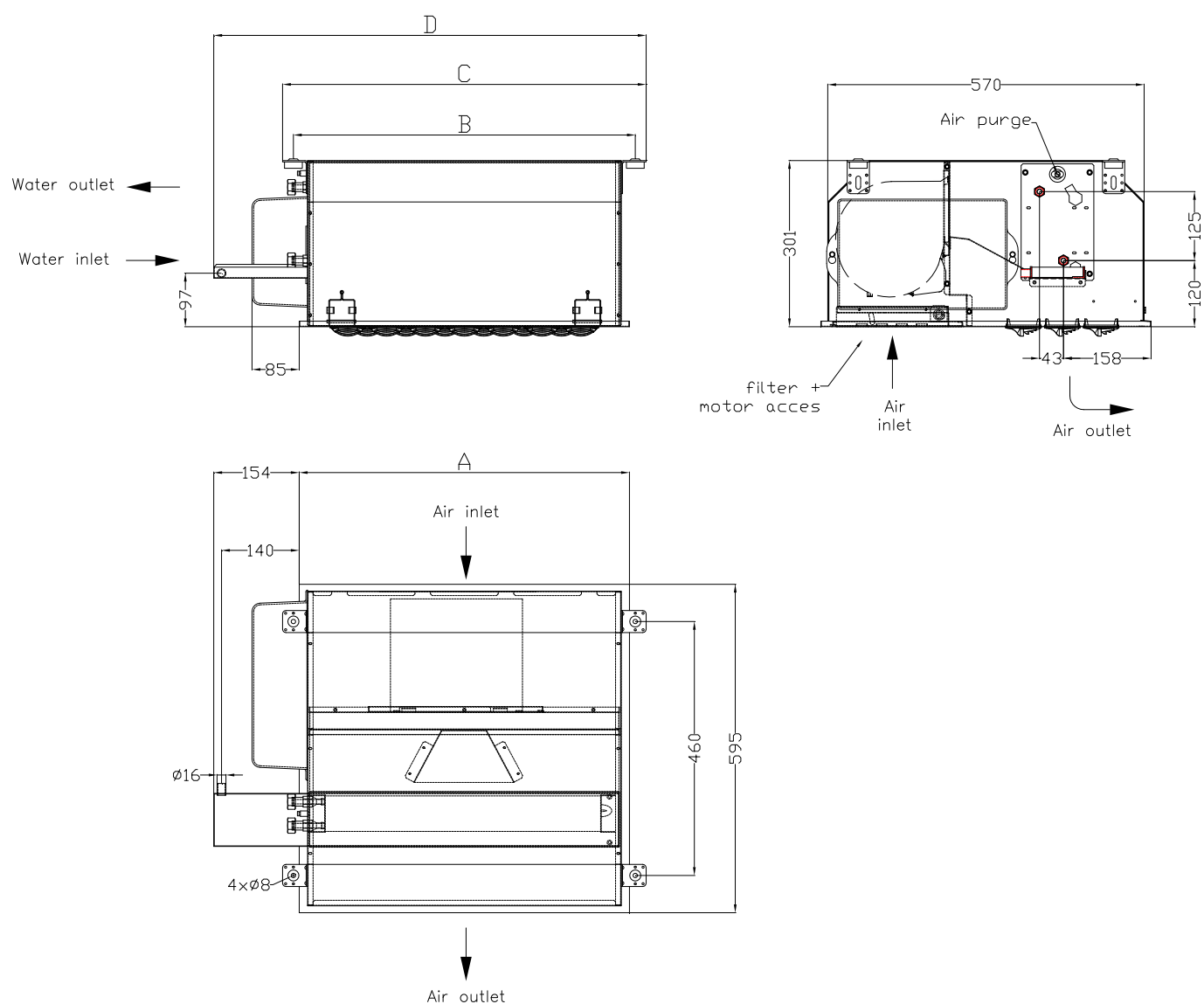
Dimensional drawings

COANDAIR 3 row coil right hand



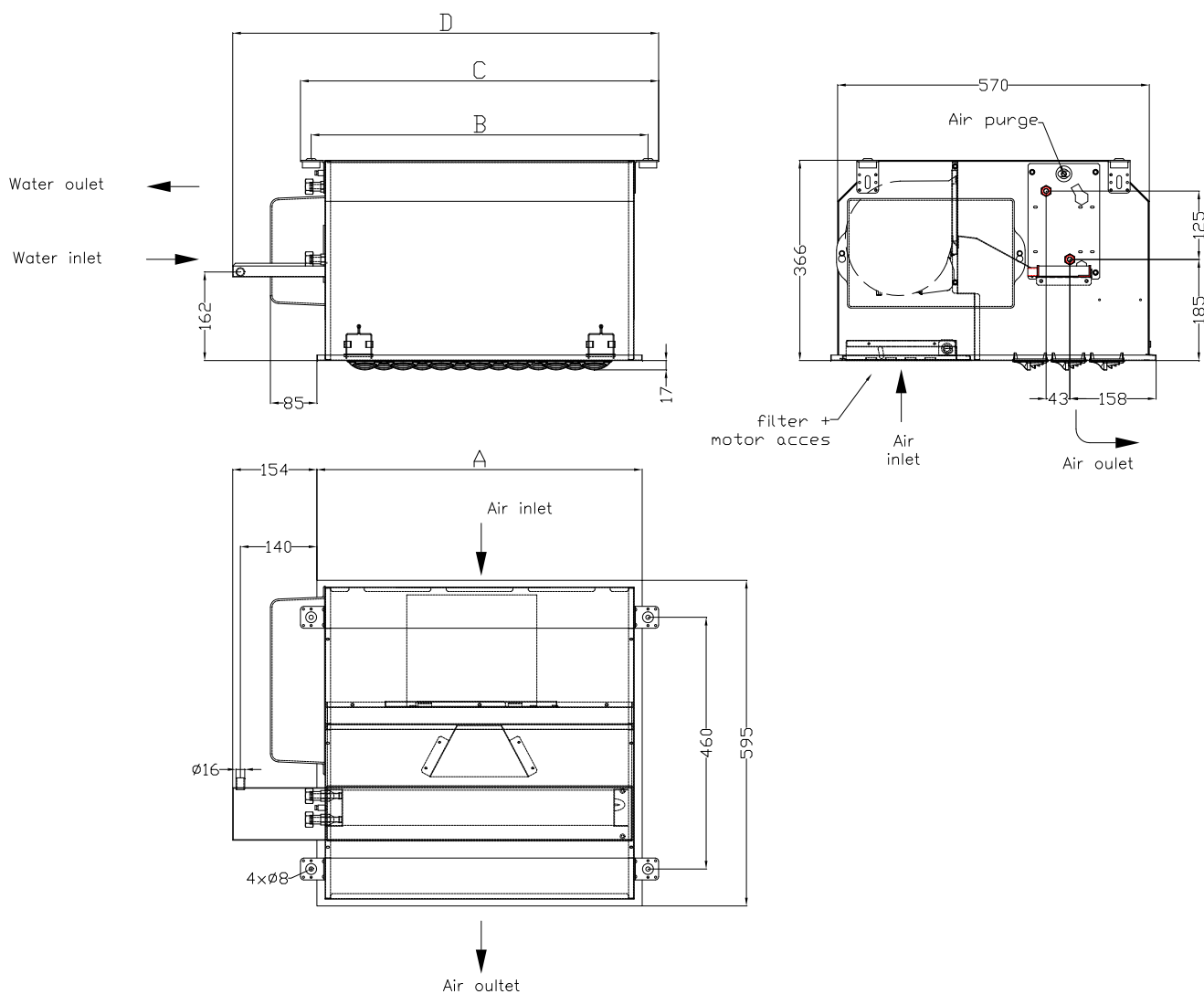
| Size | A | B | C | D |
|------|------|------|------|------|
| 600 | 595 | 616 | 655 | 779 |
| 900 | 895 | 916 | 955 | 1079 |
| 1200 | 1195 | 1216 | 1255 | 1379 |

COANDAIR 3 row coil left hand



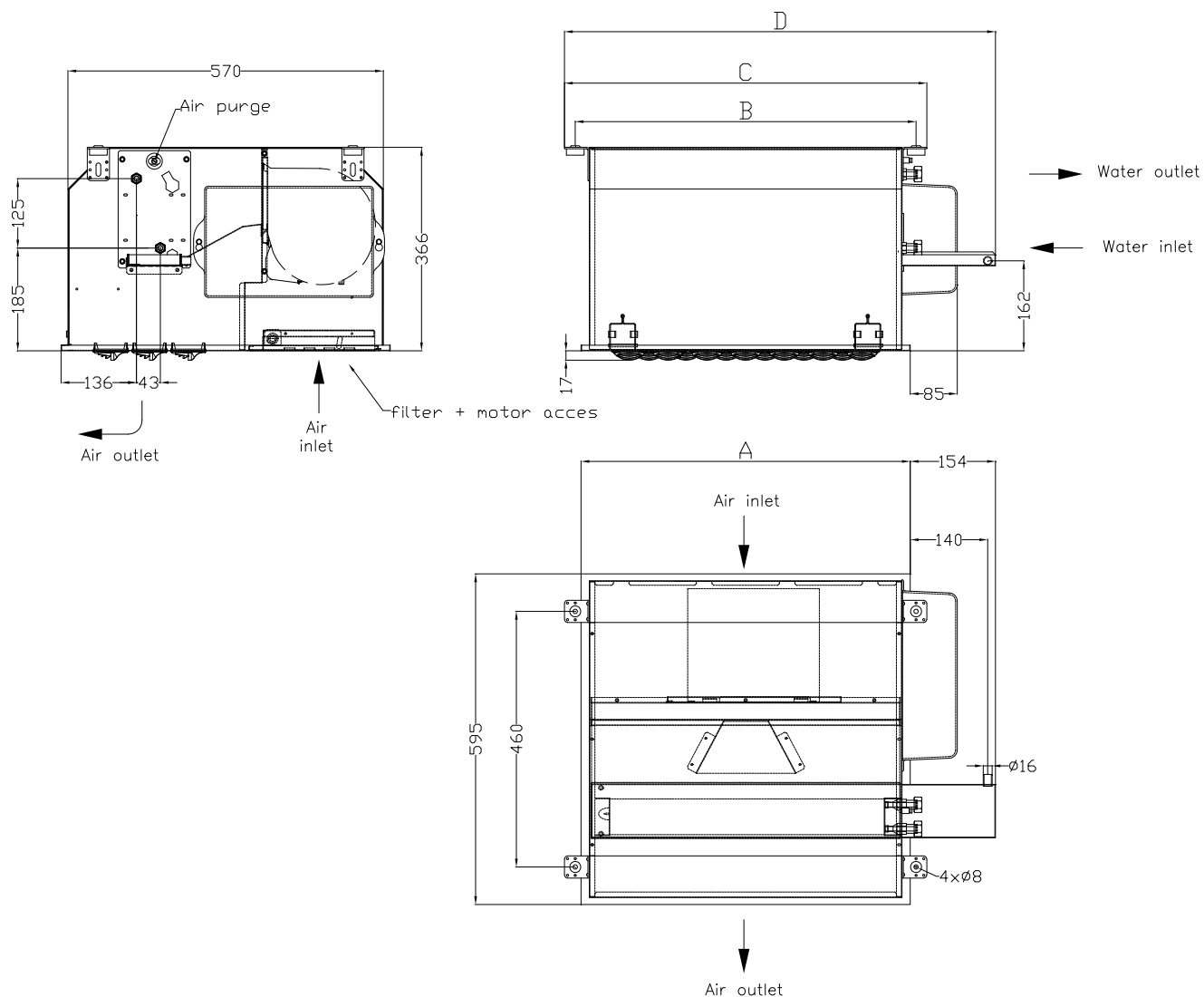
| Size | A | B | C | D |
|------|------|------|------|------|
| 600 | 595 | 616 | 655 | 779 |
| 900 | 895 | 916 | 955 | 1079 |
| 1200 | 1195 | 1216 | 1255 | 1379 |

COANDAIR 3 row coil left hand – raised option



| Size | A | B | C | D |
|------|------|------|------|------|
| 600 | 595 | 616 | 655 | 779 |
| 900 | 895 | 916 | 955 | 1079 |
| 1200 | 1195 | 1216 | 1255 | 1379 |

COANDAIR 3 row coil right hand – raised option



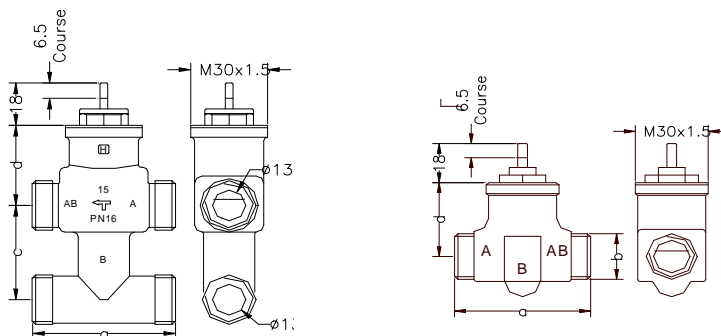
| Size | A | B | C | D |
|------|------|------|------|------|
| 600 | 595 | 616 | 655 | 779 |
| 900 | 895 | 916 | 955 | 1079 |
| 1200 | 1195 | 1216 | 1255 | 1379 |

Control valves

Lennox has qualified 2 types of valve body for controlling the water flow in COANDAIR cooling or heating coils:

2 way and 3 with bypass valve bodies:

- brass valve
- stainless steel stem
- flat face for washer seal
- bronze body
- male thread 1/2G
- fluid : water with max 50 % glycol.
- leak rate < 0.20% of kvs
- flow coefficient (kvs) : see table
- differential pressure : see table



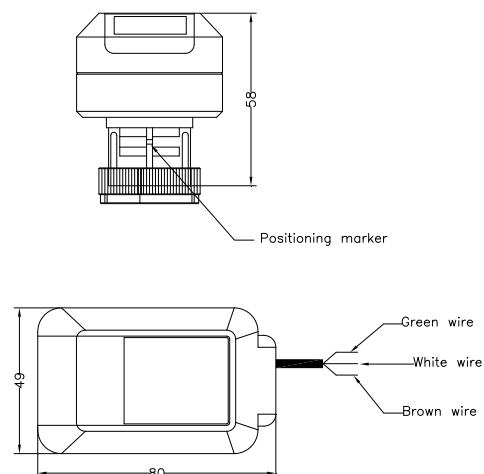
Lennox has selected 2 types valve actuator to control the opening and closing of the above valves.

Proportional valve actuator

These actuators have been designed to operate with V5832A and V5833C valve bodies; this allows proportional operation by three point control.

Characteristics:

- Power supply: 24 Vac +10 % -30 %; 50/60 Hz
- Consumption: 0.7VA
- Control: 3 points
- Travel: 6.5 mm
- Degree of protection: IP 43
- Insulation: II
- Operating range: 0 to 60 °C

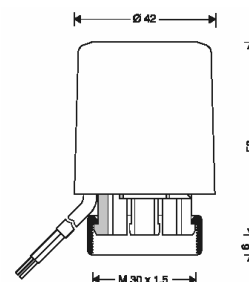


On/Off type valve actuator

This type of actuator has been designed to operate with V5832A and V5833C valve bodies; it is of the thermal type

Characteristics:

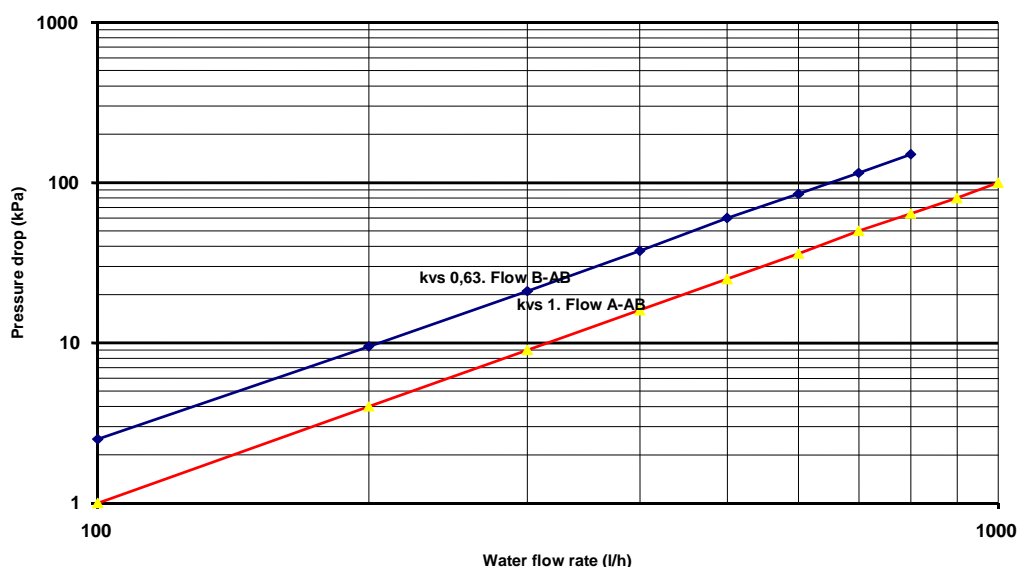
- supply voltage: 24 Vac (M100A) - 50/60 Hz
230 Vac (M100B) - 50/60 Hz
- starting current : 0,7 A
- absorbed power : 3.0 Watts
- ambient temperature: 50°C max
- protection : IP 43
- opening time: 3 min. max
- closing time: 3 min. max



Differential pressure of the valve body/valve actuator

| Size | | Kvs | | Valve Reference | Differential pressure (kPa) | | |
|------|--------|------|------|-----------------|-----------------------------|-------------|------------|
| | | | | | On/Off | | 3 points |
| DN | Pouces | A-AB | B-AB | | M100 | M 4450/8450 | M7410C1007 |
| 15 | 1/2" | 1,0 | | V9071X0015 | | 250 | |
| | | 1,6 | | V5832A4008 | 150 | | |
| | | 1,0 | | V5832A1046 | | | 180 |
| | | 1,6 | | V5832A1053 | | | 180 |
| | | 1,0 | 0,63 | V5833C1025 | | 150 | |
| | | 1,6 | 1,0 | V5833C4003 | 150 | | |
| | | 1,0 | 0,63 | V5833C1025 | | | 180 |
| | | 1,6 | 1,0 | V5833C1033 | | | 180 |

Valve pressure drops:



Flexible connections

Material:

- tube MEPD based synthetic elastomer; inside diameter 12 mm.
- external braid 304L stainless steel
- end connections brass type RTP 1/2"
- double crimp ring 304L stainless steel
- cellular rubber insulation M1, 13 mm thick on chilled water connections

Characteristics:

- operating pressure 16 bars
- length 1 metre
- operating temperature: between 5 and 90 °C
- fluid: water; pure to max 40 % glycol (ethylene, glycol, propylene) or with max 40 % ethyl alcohol (or ethanol)
- minimum bending radius without insulation 35 mm and 75 mm with insulation



Controls

Stand-alone controls

The COANDAIR air conditioning terminal is provided with a terminal block as standard, for grouping the power supply leads to the fan motor, cooling valve, and/or heating valve and the electric heater depending on the system selected.

According to the configuration type, i.e. 2 pipe/2 Wire or 4 pipe, the COANDAIR unit is equipped with one 2 way valve for the chilled water coil and an electric heater or two 2 way valves, to control the respective chilled water and hot water flow rates. These components are controlled by either a communicating electronic controller or by a non-communicating wall thermostat.

The non-communicating controller is surface mounted on a partition and operates independently; the occupant can adjust the set point within a minimum and maximum range. The integrated temperature sensor detects the ambient room temperature and the controller opens the cooling or heating valve or switches on the electric heater, according to the difference with the set point. The occupant may select the fan speed from three values. In a 2 pipe Change Over configuration, the inversion of the signal is made automatically by a pipe mounted sensor that detects the temperature of the water in the system.

A switch on the thermostat allows the occupant the possibility of switching off the air conditioning whilst the room is unoccupied.

Communicating controls

COANDAIR units can be fitted with different types of communicating controls.

Communicating controls provide the same functional control as COANDAIR units controlled from the wall thermostat, but offer the additional advantage of remote control,

via a Building Management System, of occupied/unoccupied hours, maximum and minimum air flow limits, modification of set points and alarm monitoring.

Each controller has outputs for the control of On/Off or proportional cooling valves, and/or the heating valve, 3 fan speed outputs and on certain models a 10 A power output for the control of the electric heater. This type of controller can be complemented by the addition of a wall module, which allows the user to adjust their individual parameters such as set point or fan speed.

SPECIFICATION GUIDE

Supply COANDAIR type air conditioning terminal units for chilled and hot water or electric heater application in accordance with the dimensional drawings.

The performance of the COANDAIR units shall conform to the published data.

The casings of the COANDAIR units will be made of galvanised steel of 1 mm minimum thickness and insulated internally with fire resistant Polyurethane foam insulation, of 85 kg/m³ density and 10 mm minimum thickness, protected by a black woven fabric glued to the exposed surface.

The COANDAIR unit shall have a spigot of 99 or 124 mm external diameter with respective internal diameters of 90 or 114 mm, for the integration of a 12.5 l/s or 44.4 l/s constant air flow fresh air controller.

The COANDAIR unit shall have a 3 or 4 row water coil for operation in change/over mode or a 3 row cooling and 1 row heating monobloc coil.

Coils shall be made of aluminium fins mechanically bonded to 3/8" external diameter copper tubes. The maximum operating pressure shall not exceed 100 kPa. The water inlet and outlet connections shall be of the flat seal type and provided with brass nuts. For 2 pipe/2 wire applications, the COANDAIR unit shall be provided, with an electric heater of the bare wire resistive type protected by a thermo fusible link rated at 152 °C and a manual reset safety device rated at 75 °C.

The diffuser assembly shall be made from an electro-zinc galvanised sheet steel plate coated with a powder epoxy polyester paint finish of 40 micron minimum thickness and of a white colour RAL 9010. The external dimensions shall allow for the integration of the plates in 600 x 600 or 600 x 1200 modular false ceilings; they shall be supported on the false ceiling Tee.

The assembly of the plate with the unit shall be achieved without tools, simply by the clipping of quarter turn locating lugs in the retaining clips; demounting shall require a screwdriver to release the quarter turn screw.

The diffuser plate shall include a return air section for which the openings comprise oblong slots with profiled edges. The supply air section shall be made up, according to the unit size, of 20, 30 or 40 number 60 mm diameter outlets with a shaped profile form to allow for maximum air induction by the coanda effect. The orientation of each outlet shall be individually adjustable.

The metal condensate tray shall be provided with a connection tube with an external diameter of 16 mm minimum length of 15 mm.

2 port or 3 port with bypass motorised valves shall be provided with On/Off or proportional type actuators.

COANDAIR units shall have a disposable filter of G3 efficiency; access to the filter shall be through a tilting door with magnetic locking mounted on the diffuser plate.

The fan shall be of the centrifugal, forward curved double inlet type with single or double wheels, and directly coupled to a 4 pole asynchronous motor, of minimum protection IP20; insulation class B and class F for the varnish.

The electrical connections shall be protected by an ABS cover which shall be removable with a screwdriver; the clip terminals shall allow the connection of each of the fan motor speeds.

The COANDAIR unit shall allow the connection of a wall thermostat or the integration of a numerical controller, a fuse holder and a static relay for the control of the power to the electric heater.



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Due to Lennox's ongoing commitment to quality, the Specifications, Ratings and Dimensions are subject to change without notice and without incurring liability.

Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury.

Installation and service must be performed by a qualified installer and servicing agency