

YFCN Fan Coil Unit centrifugal fan

2 & 4 pipe system

A complete range from 0.7 kW to 7.6 kW



YFCN is a range of Fan Coil Units that continues the YORK® tradition based on high reliability and low noise levels. It is the result of great commitment in terms of energy and resources to offer a more modern product from every angle, while still delivering the convenience of easy access to the filters in all models.

Moreover each version has the same internal structure, identical in both horizontal and vertical models, in order to standardise production and guarantee a greater flexibility in distribution and installation.



Selection software

Wired controls



JWC-3V

Remote three speeds controller

JWC-T

JWC-3V + Electronic thermostat and Summer/Winter switch

JWC-AU

Automatic JWC-T



JTM-B

Digital Automatic Remote controller

TMO 503 SV2

Digital Automatic Remote controller to be mounted in the standard light wall box



Infrared control

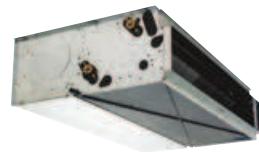


TUC03 Terminal unit controller

BacNET and N2 Metasys network compatible

Features

- New casing, improved aesthetics, suitable for any modern indoor ambient
- Full range for all needs: 9 sizes suitable for horizontal or vertical mounting with or without casing
- Wireless control option
- Low noise operation
- 3 fan speeds (possible choice between 6 fan speeds)
- Single piece discharge grid
- Several coil choices. Single: 3 or 4 rows; Dual: 3 rows cooling & 2 rows heating
- Electrical heater optional
- Suction and discharge plenum optional
- Factory fitted valve (on/off or modulating) and controller packages
- Painted back panel option
- 4 available versions in all range:
VC = Vertical Discharge with Casing
VCB = Vertical Discharge with Casing (floor installation)
HC = Horizontal Discharge with Casing
CD = Concealed unit without Casing



YFCN Fan Coil Unit centrifugal fan

0.7 to 7.6 kW



Technical features

| Model | | 140 | 240 | 340 | 440 | 540 | 640 | 740 | 840 | 940 |
|--|-----------|------|------|------|------|------------------|-------|-------|-------|-------|
| Total cooling capacity [kW] | max | 1.23 | 1.81 | 2.57 | 3.12 | 4.09 | 4.79 | 5.58 | 6.47 | 7.6 |
| | med | 1.02 | 1.43 | 1.89 | 2.28 | 3.25 | 3.86 | 4.64 | 5.73 | 6.54 |
| | min | 0.67 | 1.01 | 1.65 | 1.83 | 2.19 | 2.83 | 3.56 | 4.03 | 4.88 |
| Sensible cooling capacity [kW] | max | 0.97 | 1.38 | 1.9 | 2.34 | 3.07 | 3.6 | 4.23 | 5.06 | 6.05 |
| | med | 0.79 | 1.07 | 1.38 | 1.68 | 2.4 | 2.86 | 3.47 | 4.43 | 5.11 |
| | min | 0.51 | 0.74 | 1.2 | 1.34 | 1.6 | 2.07 | 2.62 | 3.04 | 3.72 |
| Water flow in cooling [l/h] | max | 212 | 311 | 442 | 537 | 703 | 824 | 960 | 1 113 | 1 307 |
| | med | 175 | 246 | 325 | 392 | 559 | 664 | 798 | 986 | 1 125 |
| | min | 115 | 174 | 284 | 315 | 377 | 487 | 612 | 693 | 839 |
| Pressure drop in cooling [kPa] | max | 5.6 | 13.9 | 11.5 | 15.5 | 31.3 | 36.2 | 27.7 | 17.5 | 23.2 |
| | med | 4 | 9.2 | 6.7 | 9 | 20.8 | 24.8 | 20 | 14.1 | 17.8 |
| | min | 1.9 | 4.9 | 5.3 | 6.1 | 10.4 | 14.4 | 12.5 | 7.6 | 10.6 |
| Heating capacity 2 pipes [kW] | max | 1.55 | 2.2 | 3.07 | 3.76 | 4.83 | 5.88 | 6.71 | 8.43 | 10.08 |
| | med | 1.27 | 1.72 | 2.23 | 2.72 | 3.81 | 4.69 | 5.55 | 7.36 | 8.53 |
| | min | 0.82 | 1.18 | 1.94 | 2.16 | 2.53 | 3.39 | 4.2 | 5.06 | 6.22 |
| Water flow in heating 2 pipes [l/h] * | max | 212 | 311 | 442 | 537 | 703 | 824 | 960 | 1 113 | 1 307 |
| | med | 175 | 246 | 325 | 392 | 559 | 664 | 798 | 986 | 1 125 |
| | min | 115 | 174 | 284 | 315 | 377 | 487 | 612 | 693 | 839 |
| Pressure drop in heating 2 pipes [kPa] | max | 4.7 | 11.6 | 9.2 | 12.2 | 25.7 | 29.3 | 23.7 | 14.5 | 19.3 |
| | med | 3.3 | 7.5 | 5.4 | 6.9 | 17 | 19.5 | 16.9 | 11.4 | 14.8 |
| | min | 1.5 | 3.9 | 4.2 | 4.6 | 8.3 | 11 | 10.3 | 6.2 | 8.7 |
| Air flow [m³/h] | max | 220 | 295 | 385 | 485 | 650 | 760 | 925 | 1 200 | 1 500 |
| | med | 175 | 220 | 270 | 335 | 495 | 590 | 735 | 1 020 | 1 210 |
| | min | 105 | 145 | 235 | 265 | 315 | 415 | 535 | 655 | 830 |
| Sound power level [dB(A)] | max | 45 | 47 | 49 | 47 | 48 | 52 | 56 | 60 | 64 |
| | med | 39 | 40 | 40 | 39 | 41 | 46 | 51 | 56 | 58 |
| | min | 32 | 30 | 36 | 33 | 31 | 37 | 42 | 45 | 50 |
| Sound pressure level [dB(A)] | max | 36 | 38 | 40 | 38 | 39 | 43 | 47 | 51 | 55 |
| | med | 30 | 31 | 31 | 30 | 32 | 37 | 42 | 47 | 49 |
| | min | 23 | 21 | 27 | 24 | 22 | 28 | 33 | 36 | 41 |
| Power supply [V-ph-Hz] | | | | | | 230 / 1 / 50 + E | | | | |
| Power input [W] | max | 33 | 40 | 49 | 57 | 61 | 88 | 103 | 130 | 176 |
| Absorbed current [A] | max | 0.16 | 0.18 | 0.23 | 0.26 | 0.27 | 0.39 | 0.47 | 0.58 | 0.78 |
| Dimensions ** | Height mm | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| | Width mm | 670 | 770 | 985 | 985 | 1 200 | 1 200 | 1 415 | 1 415 | 1 415 |
| | Depth mm | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 255 | 255 |

(1) Room temperature 27°C d.b., 19°C w.b. - Water temperature 7/12 °C.

(2) Room temperature 20°C - Water inlet temperature: 50°C - Water flow rate as for the cooling conditions.

(3) Sound pressure level in a 100 m² room, at 1,5 m distance and reverberating time of 0,5 s.

* Water flow values as Cooling, according to the EUROVENT standards and UNI ENV 1397.

** Dimensions refer to the units with casing.

Data shown is for 4 row cooling version, 2 pipe system.

For performance of 3 row cooling version and/or 4 pipe system unit please contact your local Johnson Controls sales office.



Manufacturer reserves the rights to change specifications without prior notice.

ECM Technology



Running costs. Energy consumption. Life cycle.

These are 3 issues that are becoming more and more important in the choice of Fan Coil Units. With these criteria in mind, Johnson Controls offers the ECM range of FCU.

ECM technology comprises a **brushless motor** combined to a **dedicated electronic device** (inverter). In comparison to conventional units equipped with asynchronous three-speed motors, the fancoil and cassette units with brushless motors can obtain a considerable energy saving, by **reducing power consumption up to 70%**.

Air flow rate can be varied in continuous by means of a 0-10 V signal generated both by our controls or by independent controls systems. The continuous air flow control improves the **acoustic comfort** and allows a more punctual reply to the variation of the thermal loads, enhancing the **stability of ambient temperature**.

Technology

ECM technology consists of a brushless motor combined with an inverter managed by specific regulators. The controller uses a 0-10 VDC modulating signal to regulate the fan speed.

The brushless electric motor is composed of a rotor having permanent magnets, whose magnetic fields interact with the ones produced by the stator winding. The **transfer of current is no longer by mechanical commutator** (sliding contacts) **but by an electronic commutation system**: one electronic controller (inverter) powers the motor's stator and generates rotating magnetic fields, that in turn determine the rotor's speed.

Brushless motor develop much less heat than the traditional brushed motors and they have much lower mechanical resistance than the standard asynchronous maintenance. The absence of brushes eliminates also the main source of electromagnetic noise.

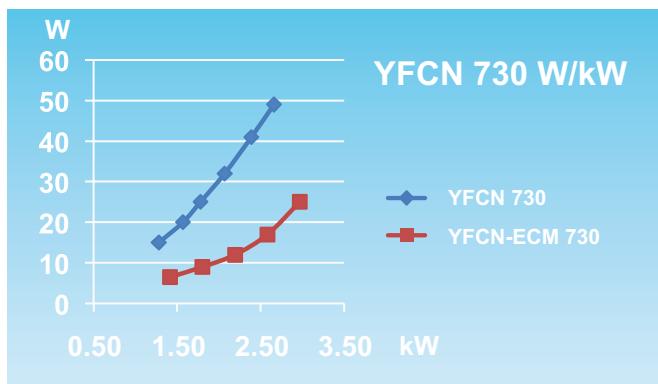
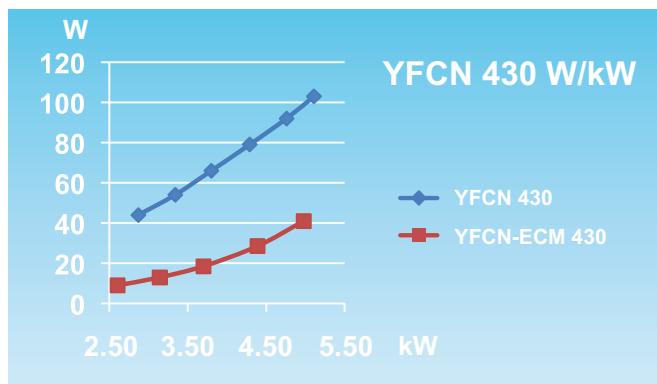
Features

- Brushless motor with inverter.
- 0-10VDC control signal.
- Low mechanical resistance and heat gain
- Continuous regulation of the fan speed.
- Specifically designed electronic and digital regulators, also for BMS systems.
- Possibility to manually set the desired three fan speeds (MIN/MED/MAX).
- Available for fan coil and cassette units.

Advantages (compared to traditional brushed motors)

- Energy saving: electrical absorption reduced up to 70%.
- Higher efficiency: possibility to adapt the air volume and the capacities accordingly to the actual room loads.
- Higher comfort: reduced variation of the temperature and relative humidity in the room.
- Extremely quiet operation.
- Reduced wear and higher reliability.
- Longer life expectancy of the motor.

Power consumption: YFCN versus YFCN-ECM (W/kW)



YFCN-ECM Fan Coil Unit Inverter with centrifugal fan

0.7 to 7.1 kW



Technical features

| Model | | 230 | 240 | 430 | 440 | 630 | 640 | 730 | 740 | 930 | 940 |
|--|--------|------------------|------|------|------|------|-------|-------|-------|-------|-------|
| Total cooling capacity [kW] | (1) | max 10v | 1.61 | 1.88 | 2.97 | 3.19 | 3.99 | 4.54 | 4.98 | 5.34 | 6.36 |
| | | med 5v | 1.19 | 1.33 | 2.19 | 2.28 | 2.94 | 3.2 | 3.7 | 3.84 | 4.86 |
| | | min 1v | 0.74 | 0.78 | 1.42 | 1.44 | 1.97 | 2.06 | 2.61 | 2.62 | 3.47 |
| Sensible cooling capacity [kW] | (1) | max | 1.3 | 1.44 | 2.28 | 2.41 | 3.11 | 3.41 | 3.84 | 4.03 | 5.2 |
| | | med | 0.93 | 0.99 | 1.65 | 1.68 | 2.23 | 2.35 | 2.79 | 2.84 | 3.83 |
| | | min | 0.56 | 0.57 | 1.04 | 1.04 | 1.47 | 1.49 | 1.93 | 1.91 | 2.65 |
| Water flow in cooling [l/h] | (1) | max | 277 | 323 | 511 | 549 | 686 | 781 | 857 | 918 | 1 094 |
| | | med | 205 | 229 | 377 | 392 | 506 | 550 | 636 | 660 | 836 |
| | | min | 127 | 134 | 244 | 248 | 339 | 354 | 449 | 451 | 597 |
| Pressure drop in cooling [kPa] | (1) | max | 8.6 | 14.8 | 28.9 | 16.1 | 19 | 33 | 32.6 | 25.6 | 25.9 |
| | | med | 5 | 8 | 17 | 8.9 | 11.1 | 17.8 | 19.4 | 14.3 | 16.1 |
| | | min | 2.2 | 3.2 | 7.9 | 4 | 5.5 | 8.2 | 10.5 | 7.3 | 8.9 |
| Heating capacity 2 pipes [kW] | (2) | max | 2.13 | 2.37 | 3.74 | 3.91 | 4.95 | 5.6 | 6.09 | 6.51 | 8.69 |
| | | med | 1.53 | 1.63 | 2.7 | 2.75 | 3.59 | 3.87 | 4.47 | 4.61 | 6.41 |
| | | min | 0.92 | 0.94 | 1.7 | 1.7 | 2.35 | 2.43 | 3.08 | 3.09 | 4.45 |
| Water flow in heating 2 pipes [l/h] * | (2) | max | 277 | 323 | 511 | 549 | 686 | 781 | 857 | 918 | 1 094 |
| | | med | 205 | 229 | 377 | 392 | 506 | 550 | 636 | 660 | 836 |
| | | min | 127 | 134 | 244 | 248 | 339 | 354 | 449 | 451 | 597 |
| Pressure drop in heating 2 pipes [kPa] | (2) | max | 8.3 | 12.6 | 23.9 | 13.5 | 15.7 | 26.9 | 26.8 | 21 | 22.5 |
| | | med | 5.0 | 6.5 | 13.8 | 7.2 | 9.2 | 14.9 | 16.1 | 11.8 | 13.9 |
| | | min | 2.0 | 2.6 | 6.6 | 3 | 4.5 | 6.5 | 8.4 | 6 | 7.7 |
| Heating capacity 4 pipes [kW] | (3) | max | 1.63 | - | 2.74 | - | 3.68 | - | 4.63 | - | 5.98 |
| | | med | 1.23 | - | 2.11 | - | 2.8 | - | 3.56 | - | 4.62 |
| | | min | 0.81 | - | 1.47 | - | 2 | - | 2.65 | - | 3.4 |
| Water flow in heating 4 pipes [l/h] | (3) | max | 140 | - | 236 | - | 317 | - | 398 | - | 514 |
| | | med | 106 | - | 181 | - | 241 | - | 306 | - | 397 |
| | | min | 70 | - | 126 | - | 172 | - | 228 | - | 292 |
| Pressure drop in heating 4 pipes [kPa] | (3) | max | 4.3 | - | 13.6 | - | 4.5 | - | 7.8 | - | 12.3 |
| | | med | 2.6 | - | 8.5 | - | 2.8 | - | 4.9 | - | 7.8 |
| | | min | 1.3 | - | 4.5 | - | 1.5 | - | 2.9 | - | 4.6 |
| Air flow [m³/h] | | max | 330 | 325 | 515 | 505 | 735 | 720 | 890 | 875 | 1 395 |
| | | med | 220 | 210 | 350 | 340 | 495 | 475 | 610 | 585 | 945 |
| | | min | 120 | 115 | 210 | 200 | 305 | 290 | 400 | 380 | 605 |
| Sound power level [dB(A)] | | max | 51 | 51 | 51 | 51 | 54 | 54 | 57 | 57 | 64 |
| | | med | 41 | 41 | 42 | 42 | 44 | 44 | 48 | 48 | 55 |
| | | min | 30 | 30 | 30 | 30 | 33 | 33 | 37 | 37 | 44 |
| Sound pressure level [dB(A)] | (4) | max | 42 | 42 | 42 | 42 | 45 | 45 | 48 | 48 | 55 |
| | | med | 32 | 32 | 33 | 33 | 35 | 35 | 39 | 39 | 46 |
| | | min | 21 | 21 | 21 | 21 | 24 | 24 | 28 | 28 | 35 |
| Power supply [V-ph-Hz] | | 230 / 1 / 50 + E | | | | | | | | | |
| Power input [W] | | max | 21 | 21 | 25 | 25 | 32 | 32 | 41 | 41 | 99 |
| Absorbed current [A] | | max | 0.18 | 0.18 | 0.22 | 0.22 | 0.28 | 0.28 | 0.34 | 0.34 | 0.81 |
| Dimensions ** | Height | mm | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| | Width | mm | 770 | 770 | 985 | 985 | 1 200 | 1 200 | 1 415 | 1 415 | 1 415 |
| | Depth | mm | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 255 |

(1) Room temperature 27°C d.b., 19°C w.b. - Water temperature 7/12 °C

(2) Room temperature 20°C - Water inlet temperature: 50°C - Water flow rate as for the cooling conditions.

(3) Room temperature 20°C - Water inlet temperature: 70/60°C

(4) Sound pressure level in a 100 m² room, at 1,5 m distance and reverberating time of 0,5 s.

* Water flow values as Cooling, according to the EUROVENT standards and UNI ENV 1397 ** Dimensions refer to the units with casing



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Options / Accessories

Compatibility table / Codes

| Model | YFCN AC motor + Standard control devices | | |
|--|--|----------------------------------|--------------------------|
| Versions | VC/VCB mod. - Vertical with casing | HC mod. - Horizontal with casing | CD mod. - Without casing |
| Controls for style VC (supplied with separate packaging) | | | |
| Three speed control BL (1) | 9060130 | - | - |
| Three speed control + electronic thermostat and S/W switch TMV-S (2) | 9060140 | - | - |
| Three speed control + electronic thermostat and centralized S/W - TLC (2) | 9060133 | - | - |
| Automatic speed control with electronic thermostat and S/W switch ATL (2) | 9066139 | - | - |
| Controls for style HC/CD (supplied with separate packaging) | | | |
| Remote three speed control JWC-3V (1) (5) | - | 9066642 | 9066642 |
| Remote three speed control + electronic thermostat and manual S/W switch (2) | - | 9066630K | 9066630K |
| Remote three speed control + electronic thermostat and centralized/manual S/W switch JWC-TQR (2) (4) | - | 9066631K | 9066631K |
| Automatic speed control with electronic thermostat and S/W switch - JWC-AU (to be used with JPJ-AU and JP-AU only) (2) (4) | - | 9066632K | 9066632K |
| Automatic remote control with electronic thermostat, S/W switch and liquid crystal display JTM-B (to be used with JPJ-AU and JP-AU only) (2) (4) | - | 9066331E | 9066331E |
| Automatic speed control with electronic thermostat to be mounted in the light wall box TMO-503-SV2 (3) (5) | - | 9060172 | 9060172 |
| Electromechanical thermostat T2T (5) (6) | - | 9060174 | 9060174 |
| Power unit JPJ-AU for JWC-AU and JTM-B remote controls, fitted on the unit | 9066641 | 9066641 | 9066641 |
| Power unit JP-AU for JWC-AU and JTM-B remote controls, not fitted on the unit | 9066640 | 9066640 | 9066640 |
| Controls accessories for all versions (supplied with separate packaging) | | | |
| Low temperature cut-out for controls TLC | 3021091 | 3021091 | 3021091 |
| Low temperature cut-out for controls TMV-S, JWC-3V and JWC-T | 9053048 | 9053048 | 9053048 |
| Low temperature cut-out for controls ATL, JWC-TQR and JP-AU power unit | 3021090 | 3021090 | 9053049 |
| T2 sensor to be used as Change-over for controls ATL and JP-AU power unit | 9025310 | 9025310 | 9025310 |
| Change-over 15-25 for control TLC and JWC-TQR | 9053049 | 9053049 | 9053049 |
| Receiving speed selector for centralized control (slave) style VC RECV | 9060136 | 9060136 | 9060136 |
| Receiving speed selector for centralized control (slave) style HC/CD SEL-CR | 9066311 | 9066311 | 9066311 |
| Terminal board adaptor kit KIT | 9060103 | - | - |
| Controls for style VC + additional electric resistance (supplied with separate packaging) | | | |
| Three speed control with electronic thermostat and S/W switch TMV-R-IAQ | 9063006 | - | - |
| Automatic speed control with electronic thermostat and S/W switch JWC-AU (2) | - | 9066632K | |
| Controls for style HC/CD + additional electric resistance (supplied with separate packaging) | | | |
| Remote three speed control + electronic thermostat and centralized/manual S/W switch JWC-TQR (3) | - | 9066631K | 9066631K |
| Automatic speed control with electronic thermostat and centralized S/W - JWC-AU (3) | - | 9066632K | 9066632K |
| Automatic remote control with electronic thermostat, S/W switch and liquid crystal display JTM-B (2) | - | 9066331E | 9066331E |

WARNING

(1) Not to be used with valves. (2) Can be used with valves and/or low temperature cut-out. (3) Low temperature cut-out included.
 (4) Can be used with Change Over. (5) Not suitable with -E electric heater. (6) Not to be used with low temperature cut-out.

Free wireless control system for all YFCN all versions

| | | | |
|---------------------------------------|---------|---------|---------|
| Remote Control FREE-COM | 9060572 | 9060572 | 9060572 |
| Mounted Electronic Board FREE-UPM | 9060571 | 9060571 | 9060571 |
| Not Mounted Electronic Board FREE-UPS | 9060570 | 9060570 | 9060570 |
| Temperature sensor FREE-SEN | 9060573 | 9060573 | 9060573 |

Options / Accessories

Compatibility table / Codes

| Model | YFCN AC motor + MB control devices |
|--|--|
| Versions | ALL VERSIONS: VC/VCB - Vertical w. casing + HC - Horizontal with casing + CD without casing ALL VERSIONS: VC/VCB + HC + CD with electric heater |
| Controls and accessories for all versions | |
| | |
| Mounted power unit MB-M | 9066332 |
| Not mounted power unit MB-S | 9066333 |
| Wall control JTM-B | 9066331E |
| IR remote control and mounted IR receiver RM-RT03 | 9066336 |
| IR remote control and not mounted IR receiver RS-RT03 | 9066337 |
| IR remote control RT03 | 3021203 |
| Mounted IR receiver RM | 9066339 |
| Not mounted IR receiver RS | 9066338 |
| Multifunction wall control up to 60 units PSM-DI | 3021293 |
| T2 sensor (to be used as Change-over or minimum temp. Sensor) | 9025310 |
| Management system for a network of fan coils with MB electronic board | |
| Hardware/software supervisory system (to be used with MB board only) NET | 9079118 |
| Router-S | 3021290 |
| Relay output board SIOS | 3021292 |
| Router BMS for BMS systems which are not provided by YORK | 3021340 |

With T-MB wall control

One control for each unit
(Maximum length of the connection cable = 20 m)



One control for more units (20 units max.)
(Maximum total length of the connection cable = 800 m)



With RT03 Infra-red remote control

One control for each unit



One control for more units (20 units max.)
(Maximum total length of the connection cable = 800 m)

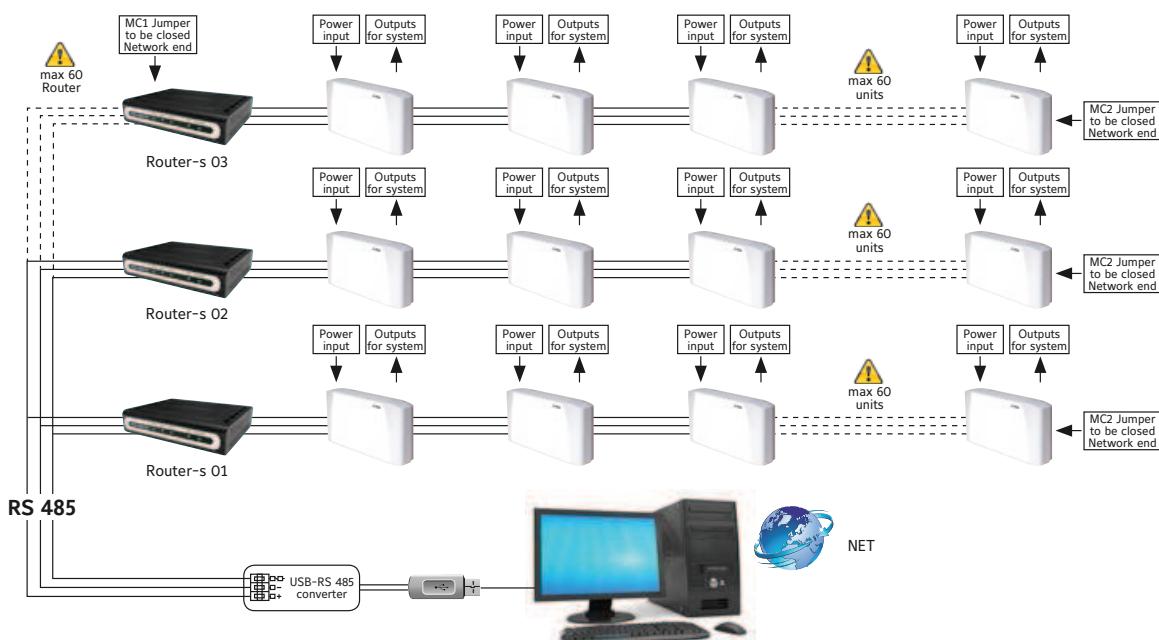


Options / Accessories

Compatibility table / Codes

| Model | YFCN ECM motor + Standard control devices | | |
|--|---|----------------------------------|--------------------------|
| Versions | VC/VCB mod. - Vertical with casing | HC mod. - Horizontal with casing | CD mod. - Without casing |
| Controls accessories for all versions (supplied with separate packaging) | | | |
| Low temperature cut out NTC for control TMV-T-ECM, WM-S-ECM and JP-AU power unit | | 3021090 | |
| T2 sensor to be used as Change-over for JP-AU power unit | | 9025310 | |
| Change over CH 15-25 for control TMV-T-ECM | | 9053049 | |
| Model | YFCN ECM motor + MB control devices | | |
| Versions | VC/VCB mod. - Vertical with casing | HC mod. - Horizontal with casing | CD mod. - Without casing |
| Controls for style VC (supplied with separate packaging) | | | |
| Continuous fan speed control with electronic thermostat and S/W switch TMV-T-ECM | 9060141 | - | - |
| Controls for style HC/CD (supplied with separate packaging) | | | |
| JWC-AU Automatic speed control with electronic thermostat and centralized S/W switch (1) (2) | - | 9066632K | 9066632K |
| JTM-B Automatic remote control with electronic thermostat, S/W switch and liquid crystal display (1) (2) | - | 9066331E | 9066331E |
| WM-S-ECM Continuous fan speed control with S/W switch and liquid crystal display | - | 9066644 | 9066644 |
| JPF-AU power unit for JWC-AU and JTM-AU remote controls, fitted on the unit | 9066641 | 9066641 | 9066641 |
| JP-AU power unit for JWC-AU and JTM-AU remote controls, not fitted on the unit | 9066640 | 9066640 | 9066640 |
| Accessories of controls for VC, HC-VCB and CD models (supplied with separate packaging) | | | |
| MB-ECM-M mounted power unit for ECM fan coil | 9066334 | 9066334 | 9066334 |
| MB-ECM-S not mounted power unit for ECM fan coil | 9066335 | 9066335 | 9066335 |
| Wall control JTM-B | 9066331E | 9066331E | 9066331E |
| IR remote control and mounted IR receiver RM-RT03 | 9066336 | 9066336 | 9066336 |
| IR remote control and not mounted IR receiver RS-RT03 | 9066337 | 9066337 | 9066337 |
| IR remote control RT03 | 3021203 | 3021203 | 3021203 |
| Mounted IR receiver RM | 9066339 | 9066339 | 9066339 |
| Not mounted IR receiver RS | 9066338 | 9066338 | 9066338 |
| Multifunction wall control up to 60 units PSM-DI | 3021293 | 3021293 | 3021293 |
| T2 sensor (to be used as Change-over or minimum temperature Sensor) | 9025310 | 9025310 | 9025310 |
| Management system for a network of fan coils with MB electronic board | | | |
| Hardware / software supervisory system Net | 9079118 | 9079118 | 9079118 |
| Router S | 3021290 | 3021290 | 3021290 |
| Relay output board SIOS | 3021292 | 3021292 | 3021292 |
| Router BMS for BMS systems which are not provided by YORK | 3021340 | 3021340 | 3021340 |

(1) Can be used with valves and/or low temperature cut-out. (2) Can be used with Change Over.



Options / Accessories

Compatibility table / Codes

| Model | YFCN General accessories | | | | | | | | |
|---|--------------------------|----------|----------|---------|----------|----------|----------|---------|---------|
| Sizes | 130/140 | 230/240 | 330/340 | 430/440 | 530/540 | 630/640 | 730/740 | 830/840 | 930/940 |
| Valves all versions | | | | | | | | | |
| 3 way double valve kit for 4 tube installation and single coil + kit fitted on the unit | | | | | | | | | |
| Kit 3 way valve mounted | | | 9066561 | | | 9060471 | | | |
| Kit 3 way valve additional battery mounted | | | | 9060472 | | | | | |
| Kit 3 way valve not mounted | | | 9066560 | | | 9060474 | | | |
| Kit 3 way valve additional battery not mounted | | | | 9060475 | | | | | |
| Kit 2 way valve primary and/or additional battery mounted | | | 9060476 | | | - | | | |
| Kit 2 way valve primary battery mounted | | | - | | | 9060477 | | | |
| Kit 2 way valve primary and/or additional battery not mounted | | | 9060478 | | | - | | | |
| Kit 2 way valve primary battery not mounted | | | - | | | 9060479 | | | |
| 2 way DN 10 balance valve for main coil + kit fitted on the unit | 9066660 | | | | | - | | | |
| 2 way DN 15 balance valve for main coil + kit fitted on the unit | - | | | | 9066661 | | | | |
| 2 way DN 20 balance valve for main coil + kit fitted on the unit | | | - | | | | 9066662 | | |
| 2 way DN 10 balance valve for additional coil + kit fitted on the unit | | | 9066663 | | | | - | | |
| 2 way DN 15 balance valve for additional coil + kit fitted on the unit | | | - | | | | 9066664 | | |
| 2 way DN 10 balance valve for main coil + kit not fitted on the unit | | 9066650 | | | | | - | | |
| 2 way DN 15 balance valve for main coil + kit not fitted on the unit | | - | | | 9066651 | | | | |
| 2 way DN 20 balance valve for main coil + kit not fitted on the unit | | | - | | | | 9066652 | | |
| 2 way DN 10 balance valve for additional coil + kit not fitted on the unit | | | 9066653 | | | | - | | |
| 2 way DN 15 balance valve for additional coil + kit not fitted on the unit | | | - | | | | 9066654 | | |
| Valves CD versions only | 130/140 | 230/240 | 330/340 | 430/440 | 530/540 | 630/640 | 730/740 | 830/840 | 930/940 |
| Simplified 3-way valve kit for CD version fitted | | | 9066571 | | | | 9060484 | | |
| Simplified 3-way valve kit for CD version not fitted | | | 9066570 | | | | 9060481 | | |
| Simplified 3-way valve kit for CD version not fitted - additional battery | | | | 9060480 | | | | | |
| Electric heater VC/VCB/CH version | 130/140 | 230/240 | 330/340 | 430/440 | 530/540 | 630/640 | 730/740 | 830/840 | 930/940 |
| El. resistance and relays fitted on the unit (650 W) VC/HC | 9066491E | | | | | - | | | |
| El. resistance and relays fitted on the unit (400 W) VC/HC | - | 9066472E | | | | - | | | |
| El. resistance and relays fitted on the unit (600 W) VC/HC | - | 9066482E | 9066473E | | | - | | | |
| El. resistance and relays fitted on the unit (750 W) VC/HC | | | - | | 9066475E | | | | |
| El. resistance and relays fitted on the unit (900 W) VC/HC | - | | 9066483E | | | - | | | |
| El. resistance and relays fitted on the unit (1000 W) VC/HC | - | 9066492E | | | | | 9066477E | | |
| El. resistance and relays fitted on the unit (1250 W) VC/HC | | | - | | 9066485E | | | | |
| El. resistance and relays fitted on the unit (1500 W) VC/HC | - | | 9066493E | | - | | 9066487E | | |
| El. resistance and relays fitted on the unit (2000 W) VC/HC | | | - | | 9066495E | | | | |
| El. resistance and relays fitted on the unit (2500 W) VC/HC | | | - | | | 9066497E | | | |
| Electric heater CD version | 130/140 | 230/240 | 330/340 | 430/440 | 530/540 | 630/640 | 730/740 | 830/840 | 930/940 |
| El. resistance and relays fitted on the unit (700 W) CD | 9066611 | | | | | - | | | |
| El. resistance and relays fitted on the unit (400 W) CD | - | 9066592 | | | | - | | | |
| El. resistance and relays fitted on the unit (600 W) CD | - | 9066602 | 9066593 | | | - | | | |
| El. resistance and relays fitted on the unit (750 W) CD | | | - | | 9066595 | | | | |
| El. resistance and relays fitted on the unit (900 W) CD | - | | 9066603 | | | - | | | |
| El. resistance and relays fitted on the unit (1000 W) CD | - | 9066612 | | | | | 9066597 | | |
| El. resistance and relays fitted on the unit (1250 W) CD | | | - | | 9066605 | | | | |
| El. resistance and relays fitted on the unit (1500 W) CD | - | | 9066613 | | - | | 9066607 | | |
| El. resistance and relays fitted on the unit (2000 W) CD | | | - | | 9066615 | | | | |
| El. resistance and relays fitted on the unit (2500 W) CD | | | - | | | 9066617 | | | |

Options / Accessories

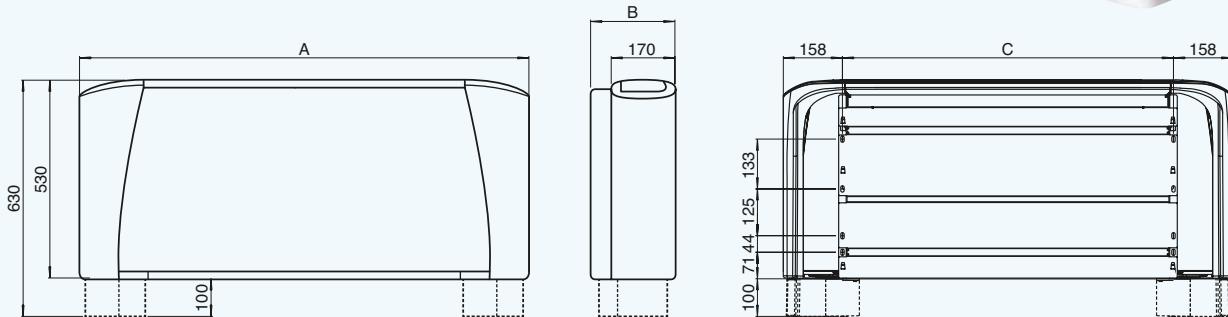
Compatibility table / Codes

| Model | YFCN General accessories | | | | | | | | |
|---|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Sizes | 130/140 | 230/240 | 330/340 | 430/440 | 530/540 | 630/640 | 730/740 | 830/840 | 930/940 |
| Accessories for all versions | 130/140 | 230/240 | 330/340 | 430/440 | 530/540 | 630/640 | 730/740 | 830/840 | 930/940 |
| Pair feet | | | | | 9060150 | | | | 9060151 |
| Vertical auxiliary condensate tray | | | | | 6060400 | | | | |
| Horizontal auxiliary condensate tray for HC (left connections) | | | | | 6060402 | | | | |
| Horizontal auxiliary condensate tray for HC (right connections) | | | | | 6060403 | | | | |
| Horizontal auxiliary condensate tray for CD | | | | | 6066039 | | | | |
| Condensate pump for VC - VCB - CD fitted on the unit auxiliary condensate collection tray included (vertical installation) | | | | | 9066297 | | | | |
| Condensate pump for VC - VCB - CD not fitted on the unit auxiliary condensate collection tray included (vertical installation) | | | | | 9066296 | | | | |
| Condensate pump for HD fitted on the unit auxiliary condensate collection tray to be ordered separately (horizontal installation) | | | | | 9066295 | | | | |
| Condensate pump for CD not fitted on the unit auxiliary condensate collection tray included (horizontal installation) | | | | | 9066180 | | | | |
| Condensate drain pipe | | | | | 6060420 | | | | |
| Damper | 9066531 | 9066532 | 9066533 | | 9066535 | 9066537 | 9066538 | | |
| Kit breeze | - | 9076452 | 9076453 | | 9076455 | | - | | |
| Recessed box | - | 9076462 | 9076463 | | 9076465 | | - | | |
| Rear closing panel VC | 9062005 | 9060180 | 9060181 | | 9060182 | | 9060183 | | |
| Rear closing panel HC | 9060187 | 9060190 | 9060191 | | 9060192 | 9060193 | 9060194 | | |
| Frontal air intake CD mounted | 9066501 | 9066502 | 9066503 | | 9066505 | 9066507 | 9066508 | | |
| Intake grid for VC | 9060229 | 9060230 | 9060231 | | 9060232 | | 9060233 | | |
| Adaptor for terminal board VC for remote control | | | | | 9060103 | | | | |
| Accessories only for concealed version CD | 130/140 | 230/240 | 330/340 | 430/440 | 530/540 | 630/640 | 730/740 | 830/840 | 930/940 |
| Outlet flange 90° FM90 | 9066381 | 9066382 | 9066383 | | 9066385 | 9066387 | 9066388 | | |
| Inlet flange 90° FR90 | 9066441 | 9060710 | 9060711 | | 9060712 | 9060713 | 9060714 | | |
| Straight inlet flange FRD | 9066451 | 9060720 | 9060721 | | 9060722 | 9060723 | 9060724 | | |
| Straight outlet flange FMD | 9066371 | 9066372 | 9066373 | | 9066375 | 9066377 | 9066378 | | |
| Outlet spigot diffuser PMC | 9066361 | 9066362 | 9066363 | | 9066365 | 9066367 | 9066368 | | |
| Air outlet grid BMA | 9066411 | 9060750 | 9060751 | | 9060752 | | 9060753 | | |
| Air inlet grid GRAG | 9066431 | 9060764 | 9060765 | | 9060766 | | 9060767 | | |
| Air inlet grid GRAP | 9066421 | 9060760 | 9060761 | | 9060762 | | 9060763 | | |
| Air inlet spigot plenum PRC | 9066461 | 9066462 | 9066463 | | 9066465 | 9066467 | 9066468 | | |
| Intake grid with filter (to be used in combination with inlet flange 90°) GRAFP | 9066391 | 9060770 | 9060771 | | 9060772 | | 9060773 | | |
| Intake grid with filter (to be used in combination with straight inlet flange) GRAFG | 9066401 | 9060774 | 9060775 | | 9060776 | | 9060777 | | |

Dimensions

YFCN / YFCN-ECM 130 to 940 (with casing)

VC, VCB and HC models

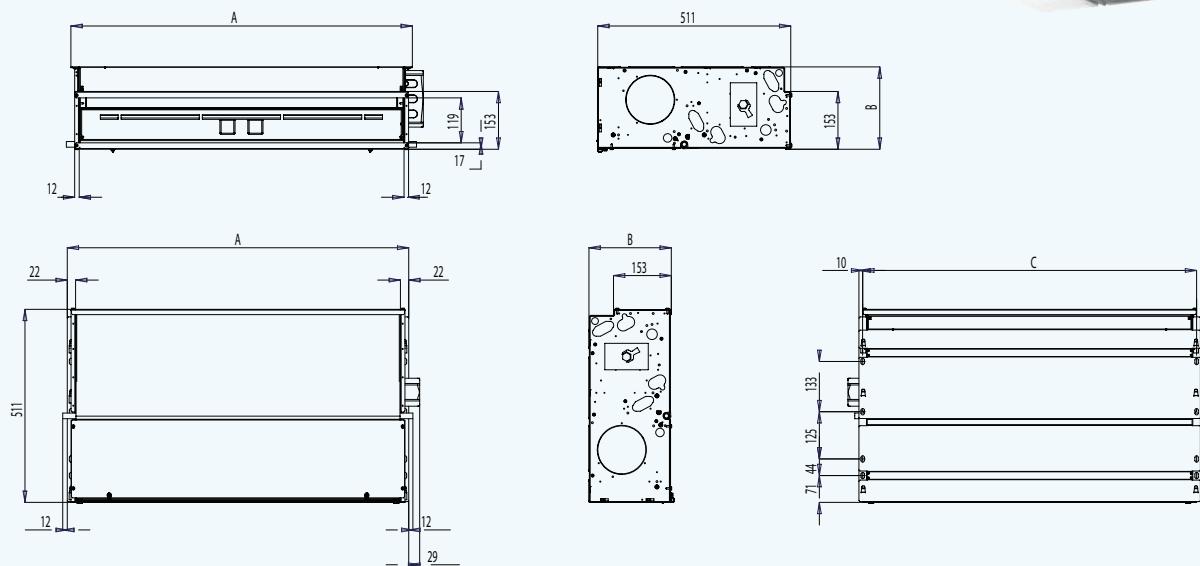


All dimensions in mm. Drawings not a scale.

| Model | 130 / 140 | 230 / 240 | 330 / 340 | 430 / 440 | 530 / 540 | 630 / 640 | 730 / 740 | 830 / 840 | 930 / 940 |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| A | 670 | 770 | 985 | 985 | 1 200 | 1 200 | 1 415 | 1 415 | 1 415 |
| B | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 255 | 255 |
| C | 354 | 454 | 669 | 669 | 884 | 884 | 1 099 | 1 099 | 1 099 |

YFCN / YFCN-ECM 130 to 940 (without casing)

CD models



All dimensions in mm. Drawings not a scale.

| Model | 130 / 140 | 230 / 240 | 330 / 340 | 430 / 440 | 530 / 540 | 630 / 640 | 730 / 740 | 830 / 840 | 930 / 940 |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| A | 374 | 474 | 689 | 689 | 904 | 904 | 1 119 | 1 119 | 1 119 |
| B | 218 | 218 | 218 | 218 | 218 | 218 | 218 | 248 | 248 |
| C | 354 | 454 | 669 | 669 | 884 | 884 | 1 099 | 1 099 | 1 099 |