# JOHNSON CONTROLS

## Features

- 6 speed fan
- Cabinet factory fitted
- Valve factory fitted
- Electrical heater factory fitted
- Thermal or modulating valve
- Service valve

## Thermostats

**CSL00 (Built in)**
**CSR00 (Wall mounted)**
Fan speed selector

**CML00 (Built in)**
**CMR00 (Wall mounted)**
Thermostat with manual fan speed and S/W change over

**CEL00 (Built in)**
**CER00 (Wall mounted)**
Thermostat with manual fan speed and automatic change over

**CEL20 (Built in)**
**CER20 (Wall mounted)**
Thermostat with auto. fan speed and automatic change over

**CEL30 (Built in)**
**CER30 (Wall mounted)**
Thermostat with auto. fan speed and automatic change over for modulating valve

# Fan Coil Unit
# LOW BODY (2 & 4 pipe system)

A complete range from 0.8 kW up to 2.7 kW
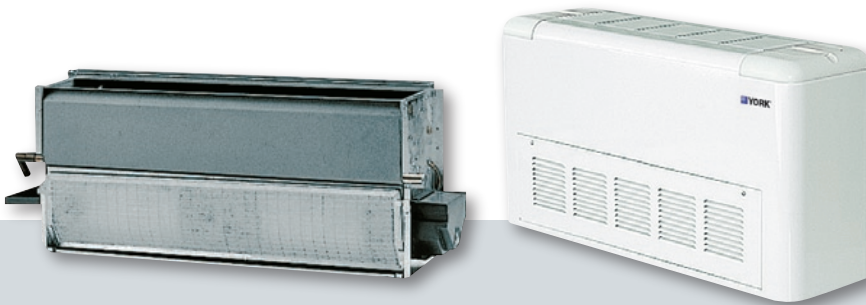
Selection software

## Technical features

| | | YLVR - YLIVR | | | | |
|---|---|---|---|---|---|---|
| **Model** | | **110** | **112** | **114** | **216** | **218** |
| Cooling capacity (1) 2 rows | W | 832 | 1054 | 1493 | 2041 | 2356 |
| Cooling capacity (1) 3 rows | W | 913 | 1266 | 1790 | 2327 | 2714 |
| Heating capacity (2) 1 row | W | 1167 | 1691 | 2319 | 3029 | 3552 |
| Pressure drop (3) | kPa | 7 | 1.7 | 3.8 | 9 | 11.7 |
| Power supply | V/Ph/Hz | 230 / 1 / 50 + E | | | | |
| Sound power level (3) | dB(A) | 49 | 50 | 53 | 53 | 55 |
| Sound pressure level at 3 m | dB(A) | 31 | 32 | 35 | 35 | 37 |
| Water connections | inch | 1/2 " | | | | |

Dimensions indicated next page
(1) Cooling capacities based on 7ºC EWT $\Delta t$ 5ºC  indoor temperature 27ºC DB / 19ºC WB  - (2 pipes - high speed fan)
(2) Heating capacities based on 70ºC EWT $\Delta t$ 10ºC indoor temperature 20ºC - (2 pipes - high speed fan)
(3) In cooling mode 2 rows
For other conditions contact York international

## YORK®

# Fan Coil Unit LOW BODY
## 0.8 to 2.7 kW

## Compatibility table / Codes

| Model | | 110 | 112 | 114 | 216 | 218 |
|---|---|:---:|:---:|:---:|:---:|:---:|
| **With Cabinet** | | | | | | |
| YLVR | 2 rows | ● | ● | ● | ● | ● |
| | 3 rows | ● | ● | ● | ● | ● |
| | 4 rows | ● | ● | ● | ● | ● |
| **Without Cabinet** | | | | | | |
| YLIVR | 2 rows | ● | ● | ● | ● | ● |
| | 3 rows | ● | ● | ● | ● | ● |
| | 4 rows | ● | ● | ● | ● | ● |

### Options (Factory fitted)
#### Coil and heaters

| | | 110 | 112 | 114 | 216 | 218 |
|---|---|:---:|:---:|:---:|:---:|:---:|
| 1 row heating | BA1 | ● | ● | ● | ● | ● |
| Kit electrical heater (with relay and safety switch) | KREL | ● | ● | ● | ● | ● |

#### Built in thermostat

| | | 110 | 112 | 114 | 216 | 218 |
|---|---|:---:|:---:|:---:|:---:|:---:|
| Fan speed selector | CSL00 | | | ● | | |
| Thermostat with manual fan speed and S/W change over | CML00 | | | ● | | |
| Thermostat with manual fan speed, dead band, automatic change over | CEL00 | | | ● | | |
| Thermostat with automatic fan speed, dead band, automatic change over | CEL20 | | | ● | | |
| Thermostat with automatic fan speed, dead band, automatic change over for modulating valve | CEL30 | | | ● | | |
| **Parallel connection** | | | | | | |
| For ON/OFF valve one/FCU | CBL20 | | | ● | | |
| For modulating valve one/FCU | CBL30 | | | ● | | |
| **3 way valve factory fitted** | | | | | | |
| For 2 pipe systems ON/OFF | J3A2 (2p) | | | ● | | |
| For 4 pipe systems ON/OFF | J3A2 (4p) | | | ● | | |
| **3 way modulating valve factory fitted** | | | | | | |
| For 2 pipe systems Modulating | J3AM (2p) | | | ● | | |
| For 4 pipe systems Modulating | J3AM (4p) | | | ● | | |
| **Shut off valves factory fitted** | | | | | | |
| For 2 pipe systems | DT (2p) | | | ● | | |
| For 4 pipe systems | DT (4p) | | | ● | | |

| | | 110 | 112 | 114 | 216 | 218 |
|---|---|:---:|:---:|:---:|:---:|:---:|
| Condensate pump | PC | | | ● | | |
| WS sensor change over for CEL/CER | WS | | | ● | | |
| Minimum temperature thermostat | TM | | | ● | | |

### Accessories (Supplied loose)
#### Remote controllers and thermostat (wall mounted)

| | | 110 | 112 | 114 | 216 | 218 |
|---|---|:---:|:---:|:---:|:---:|:---:|
| Fan speed selector | CSR00 | | | ● | | |
| Thermostat with manual fan speed and S/W change over | CMR00 | | | ● | | |
| Thermostat with manual fan speed, dead band, automatic change over | CER00 | | | ● | | |
| Thermostat with automatic fan speed, dead band, automatic change over | CER20 | | | ● | | |
| Thermostat with automatic fan speed, dead band, automatic change over for modulating valve | CER30 | | | ● | | |

(1) for check compatibility with the models of FCU see compatibility table

**YORK**

# Dimensions

**YLVR**
- R= low body
- V= vertical

**YLIVR**
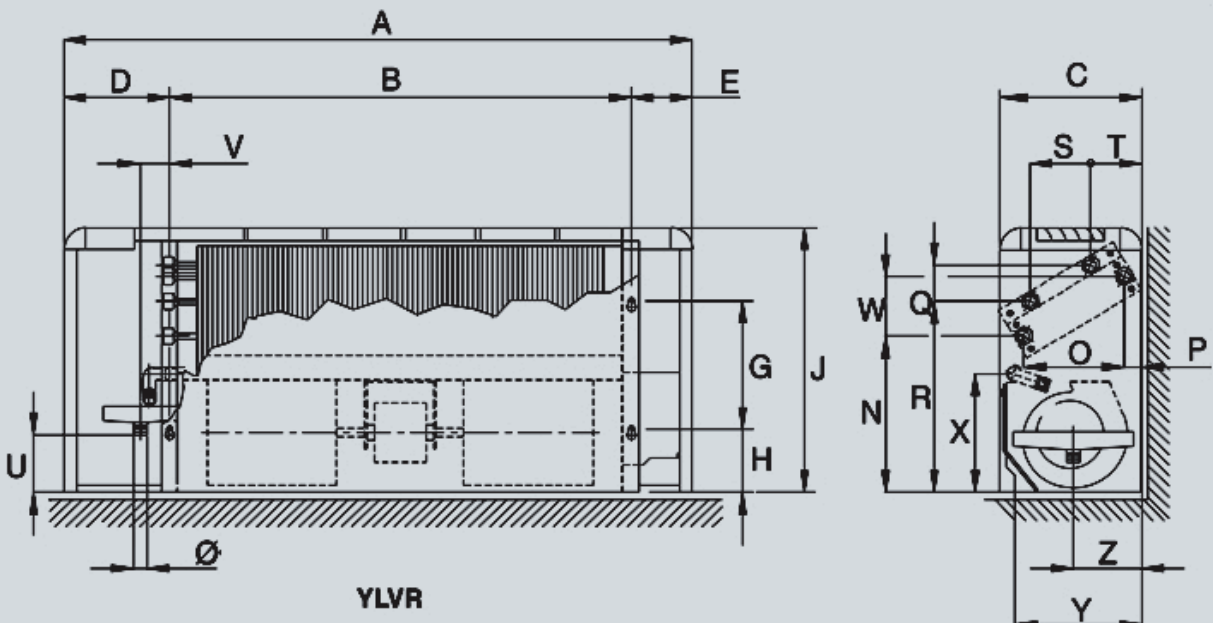- R= low body
- V= vertical
- I= without cabinet

## LOW BODY: YLVR

### DIMENSIONS AND WEIGHTS

| Dim | 110 | 112 | 114 | 216 | 218 |
|-----|-----|-----|-----|-----|-----|
| A | 648 | 773 | 898 | 1023 | 1148 |
| B | 374 | 499 | 624 | 749 | 874 |
| C | 254 | 254 | 254 | 254 | 254 |
| D | 174 | 174 | 174 | 174 | 174 |
| E | 100 | 100 | 100 | 100 | 100 |
| G | 170 | 170 | 170 | 170 | 170 |
| H | 101 | 101 | 101 | 101 | 101 |
| J | 430 | 430 | 430 | 430 | 430 |
| N | 245 | 245 | 245 | 245 | 245 |
| O | 154 | 154 | 154 | 154 | 154 |
| P | 31 | 31 | 31 | 31 | 31 |
| Q | 47 | 47 | 47 | 47 | 47 |
| R | 304 | 304 | 304 | 304 | 304 |
| S | 88 | 88 | 88 | 88 | 88 |
| T | 87 | 87 | 87 | 87 | 87 |
| U | 65 | 65 | 65 | 65 | 65 |
| V | 47 | 47 | 47 | 47 | 47 |
| W | 84 | 84 | 84 | 84 | 84 |
| X | 214 | 214 | 214 | 214 | 214 |
| Z | 109 | 109 | 109 | 109 | 109 |
| ø | 20 | 20 | 20 | 20 | 20 |
| kg | 15 | 17 | 22 | 23 | 26 |

(All dimensions in mm)

YLVR

# Fan Coil Unit LOW BODY

## LOW BODY: YLIVR
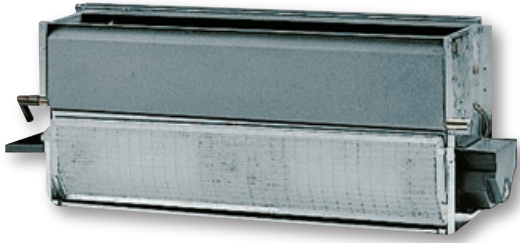
### DIMENSIONS AND WEIGHTS

| Dim | 110 | 112 | 114 | 216 | 218 |
|-----|-----|-----|-----|-----|-----|
| A | 555 | 680 | 805 | 930 | 1055 |
| B | 374 | 499 | 624 | 749 | 874 |
| C | 230 | 230 | 230 | 230 | 230 |
| D | 108 | 108 | 108 | 108 | 108 |
| E | 73 | 73 | 73 | 73 | 73 |
| G | 170 | 170 | 170 | 170 | 170 |
| H | 101 | 101 | 101 | 101 | 101 |
| J | 395 | 395 | 395 | 395 | 395 |
| K | 61 | 61 | 61 | 61 | 61 |
| L | 349 | 474 | 599 | 724 | 849 |
| M | 127 | 127 | 127 | 127 | 127 |
| N | 245 | 245 | 245 | 245 | 245 |
| O | 154 | 154 | 154 | 154 | 154 |
| P | 31 | 31 | 31 | 31 | 31 |
| Q | 47 | 47 | 47 | 47 | 47 |
| R | 304 | 304 | 304 | 304 | 304 |
| S | 88 | 88 | 88 | 88 | 88 |
| T | 87 | 87 | 87 | 87 | 87 |
| U | 65 | 65 | 65 | 65 | 65 |
| V | 47 | 47 | 47 | 47 | 47 |
| W | 84 | 84 | 84 | 84 | 84 |
| X | 214 | 214 | 214 | 214 | 214 |
| Y | 201 | 201 | 201 | 201 | 201 |
| Z | 109 | 109 | 109 | 109 | 109 |
| ø | 20 | 20 | 20 | 20 | 20 |
| kg | 9 | 11 | 14 | 16 | 19 |

(All dimensions in mm)



YLIVR
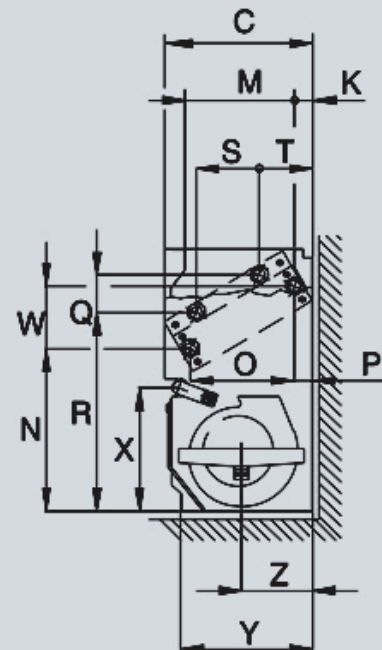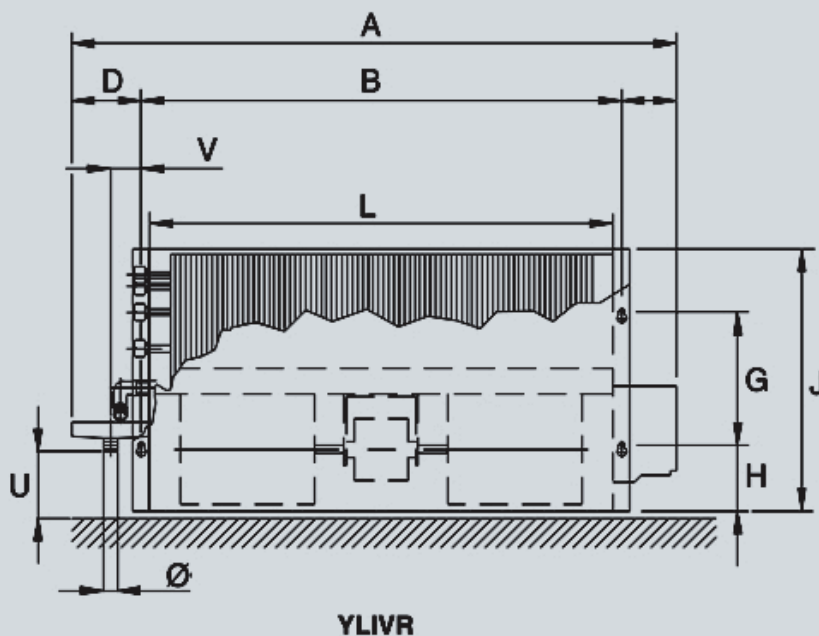
# Compatibility tables for FCU LASER and LOW BODY

**CEL00 (Built in)**
**CER00 (Wall mounted)**
Thermostat with manual fan speed and automatic change over

**CEL20 (Built in)**
**CER20 (Wall mounted)**
Thermostat with auto. fan speed and automatic change over

**CEL30 (Built in)**
**CER30 (Wall mounted)**
Thermostat with auto. fan speed and automatic change over for modulating valve

**CSL00 (Built in)**
**CSR00 (Wall mounted)**
Fan speed selector

**CML00 (Built in)**
**CMR00 (Wall mounted)**
Thermostat with manual fan speed and S/W change over

## FEATURES CEL/CER

- Dead band for change over 5°C or 2°C (factory set 2°C for 4 pipes and 5°C for 2 pipes)
- Manual fan speeds or automatic (models 20 and 30)
- Thermostated fan control or continuous fan running
- Option water sensor WS for change over on coil (for 2 pipes)
- Led indicated status summer, winter or dead band
- Temperature setting for 7 to 30°C (comfort 20-25°C)
- Plastic pins for limiting temperature range
- Input for window contact
- Input for Economy/ occupancy mode
- Output for remote alarm
- Filter alarm 600 or 1200 running hours (factory set 1200 hours)
- With electrical heater post ventilation
- With Air sensor in the air intake destratification function (CEL only)

## Compatibility table Thermostats / Valves / Heaters / Parallel connection / Water sensor / Minimum temperature thermostat

| Factory fitted thermostat (built in) | | Valves for 2 pipes | | Valves for 4 pipes | | Heaters | Parallel connection | | Water sensor | Min. Temp. Thermostat |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ON/OFF | Modulating | | |
| | | J3A2 (2p) | J3AM (2p) | J3A2 (4p) | J3AM (4p) | KREL | CBL20 | CBL30 | WS | TM |
| CSL00 | Fan speed selector | | | | | | ● | | | ● |
| CML00 | Thermostat with manual fan speed and S/W change over | ● | | ● | | | ● | | | ● |
| CEL00 | Thermostat with manual fan speed, dead band, automatic change over | ● | | ● | | ● | ● | | ● | ● |
| CEL20 | Thermostat with automatic fan speed, dead band, automatic change over | ● | | ● | | ● | ● | | ● | ● |
| CEL30 | Thermostat with automatic fan speed, dead band, automatic change over for modulating valve | | ● | | ● | | | ● | ● | ● |
| **Remote controllers and thermostats (wall mounted)** | | | | | | | | | | |
| CSR00 | Fan speed selector a | | | | | | ● | | | ● |
| CMR00 | Thermostat with manual fan speed and S/W change over | ● | | ● | | | ● | | | ● |
| CER00 | Thermostat with manual fan speed, dead band, automatic change over | ● | | ● | | ● | ● | | ● | ● |
| CER20 | Thermostat with automatic fan speed, dead band, automatic change over | ● | | ● | | ● | ● | | ● | ● |
| CER30 | Thermostat with automatic fan speed, dead band, automatic change over for modulating valve | | ● | | ● | | | ● | ● | ● |

● Compatible
  Not compatible

# Compatibility tables for FCU LASER and LOW BODY

## Compatibility Options / Accessories / Models

| Code | designation | STANDARD | | | | | | | | LOW BODY | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | | LASER | | | | CONCEALED | | | | | |
| | | YLV | YLH | YLV-AF | YLH-AF | YLIV | YLIH | YLIV-AF | YLIH-AF | YLVR | YLIVR |
| **Coils and heaters\*\*** | | | | | | | | | | | |
| BA1\*\* | Additionnal 1 row heating | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| KREL\*\* | Kit electrical heater with safety thermostat and relay | ● | ● | ● | ● | ● | ● | ● | ● | | |
| **Factory fitted thermostat** | | | | | | | | | | | |
| CSL00 | Fan speed selector (buit in) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| CML00 | Thermostat with manual fan speed and S/W change over (buit in) | | | | | | | | | ● | ● |
| CEL00 | Thermostat with manual fan speed, dead band, automatic change over (buit in) | Compatible with electrical heaters | | | | | | | | ● | ● |
| CEL20 | Thermostat with automatic fan speed, dead band, automatic change over (buit in) | Compatible with electrical heaters | | | | | | | | ● | ● |
| CEL30 | Thermostat with automatic fan speed, dead band, automatic change over for modulating valves (buit in) | | | | | | | | | ● | ● |
| **Remote controllers and thermostats** | | | | | | | | | | | |
| CSR00 | Fan speed selector (wall mounted) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| CMR00 | Thermostat with manual fan speed and S/W change over (wall mounted) | | | | | | | | | ● | ● |
| CER00 | Thermostat with manual fan speed, dead band, automatic change over (buit in) | Compatible with electrical heaters | | | | | | | | ● | ● |
| CER20 | Thermostat with automatic fan speed, dead band, automatic change over (buit in) | Compatible with electrical heaters | | | | | | | | ● | ● |
| CER30 | Thermostat with automatic fan speed, dead band, automatic change over for modulating valves (buit in) | | | | | | | | | ● | ● |
| CBL20 | Parallel connection for ON/OFF valve | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| CBL30 | Parallel connection for modulating valve | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| **Valves / Condensate pump / Water sensor / Minimum temperature thermostat (Factory fitted)** | | | | | | | | | | | |
| J3A2 (2p) | 3-way 4-ports on/off valves for 2-pipe systems | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| J3A2 (4p) | 3-way 4-ports on/off valves for 4-pipe systems | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| J3AM (2p) | 3-way 4-ports modulating valves for 2-pipe systems | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| J3AM (4p) | 3-way 4-ports modulating valves for 4-pipe systems | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| DT (2p) | Shut-off valves for 2-pipe systems (in addition to J3A2/J3AM valves) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| DT (4p) | Shut-off valves for 4-pipe systems (in addition to J3A2/J3AM valves) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| PC | Condensate pump | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| WS | Water sensor | Compatible with CEL/CER | | | | | | | | | |
| TM | Minimum temperature thermostat | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| **Feets and panels** | | | | | | | | | | | |
| CP1 | Set of painted feet | ● | | | | ● | | | | | |
| ZL1 | Set of feet + frontal socle | ● | | | | ● | | | | | |
| PPV1 | Vertical painted back panel | ● | | ● | | | | | | ● | |
| PPH1 | Horizontal painted back panel | | ● | | ● | | | | | | |
| **External air intake** | | | | | | | | | | | |
| PA | Air intake plenum | | | | | | ● | | | | |
| PAS | Air intake plenum collars | | | | | | ● | | | | |
| PA90° | 90° air intake plenum | | | | | | ● | | | | |
| RCA | Air intake duct fitting | | | | | | ● | | | | |
| PM | Air delivery plenum with collars | | | | | ● | ● | ● | ● | | ● |
| PM90 | 90° air delivery plenum | | | | | ● | ● | ● | ● | | ● |

● Compatible
Compatible with conditions
Not compatible

\*\* Maximum of rows is indicated in the documentation, the maximum number of rows includes the heating row or electrical heater.