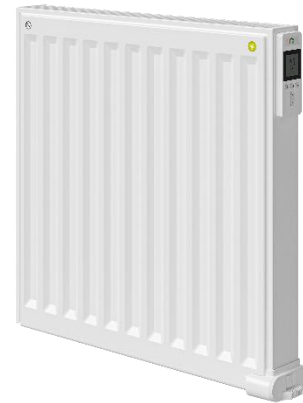# Rio Plus | Data Sheet

### General

Oil-filled electric radiator with digital thermostat for perfect indoor climate. Optimized energy usage with no compromise of comfort thanks to flexible heating program settings, adaptive start, open window detection & front panel temperature limitation. A secured system operation through anti-freeze and keypad lock which provides minimum required temperature needed to protect installation against freezing and unwanted settings changes. Individual or group product control (master/follower) for easy system and zone control, compatible with Touch 4 Programmer, and ready for smart home solutions thanks to the Purmo Unisenza Plus (accessories) and Unisenza Plus APP (compatible e.g. Google, Amazon).

*Left to right (Rio Compact Plus, Rio Plan Plus, Rio Linea Plus)*

**2 years on electric components**

**10 years on panel**

### Brand

Myson

### Product

Rio Compact Plus, Rio Plan Plus, Rio Linea Plus

### Material

Cold rolled steel, according to EN442 and EN10130

### Colour

RAL 9016, white.

### Certificates & Directives

CE, UKCA, LV, EMC, RED, ECO

comfort delivered by **PURMO**

# Rio Plus | Data Sheet

## Features

- Filled with environmentally-friendly vegetable oil
- 7-day program
- Overheating protection
- Adaptive start
- Antifreeze function
- Keypad lock
- Open window function
- Front panel temperature limitation
- App control (Unisenza+ Gateway required)
- Google Home & Amazon Alexa compatible (Unisenza+ Gateway required)
- ECO Design compliance

## General

Oil-filled electric radiator equipped with an electronic thermostat and digital display. The weekly/daily program options allows user to personalize, automate and control the indoor climate. This can also be achieved by manually selecting ''Comfort'' or ''Reduce'' mode directly on the radiator controller. Rio Plus is prepared for smart home solutions (compatible e.g.: Google, Amazon) thanks to the Purmo Unisenza Plus Gateway and Unisenza Plus APP (accessories). ''Open Window'' and ''Adaptive Start'' functions ensure that the energy used is optimal. Safety features such as ''Front Panel Temperature Limitation'' allows users to limit the front panel output by reducing the front panel surface temperature through reducing the power on the front heating element, ''Keypad Lock'' prevent against any unwanted changes to the settings and ''Anti-freeze protection'' keeps the minimum required indoor temperature. Rio Plus can be controlled individually or by using ''Master/Follower'' mode to control a group of radiators, the ''Followers'' will follow the program settings on ''Master'' radiator. External wired controller can be connected and used as a remote control. The radiator is equipped with overheat protection, this overheat protection disconnects the electrical current if the radiator becomes too hot (e.g. when covered). Rio Plus electric insulation is Class I and electric protection IP44.

## Directives and Standards

- EN442
- EN10130
- EN 60730-1
- EN 60335-1
- EN 60335-2-30
- EN 62233
- EN 55014-1
- EN 55014-2
- EN 61000-3-2
- EN 61000-3
- EN 60529
- LV Directive 2014/35/EU
- EMC Directive 2014/30/EU
- RED Directive 2014/53/EU
- RoHS Directive 2011/65/EU
- ECO Directive 2009/125/EC

## Warranty

The 10 years warranty for panel radiators and 2 years for all electronic and electric components.

comfort delivered by PURMO

# Rio Plus | Data Sheet

Rio Compact Plus
Type 21

## DIMENSIONS



| Height B | 300 | 500 |
|---|---|---|
| b1 | 90 | 163 |
| b2 | 135 | 205 |

| Length A | 400 | 500 | 650 | 800 | 950 | 1000 | 1250 | 1300 | 1600 | 2000 |
|---|---|---|---|---|---|---|---|---|---|---|
| a1 | 101 | 203 | 355 | 508 | 660 | 711 | 965 | 1016 | 1320 | 1727 |

## RIO COMPACT PLUS

| Type | Height B mm | Length radiator A mm | Depth * mm | Electric power W | Oil fill volume l | Weight kg | Product Code |
|---|---|---|---|---|---|---|---|
| 21 | 300 | 500 | 81 | 500 | 2,09 | 12,60 | RIOC30DX50Z |
| 21 | 300 | 800 | 81 | 750 | 3,46 | 17,75 | RIOC30DX80Z |
| 21 | 300 | 1000 | 81 | 1000 | 4,36 | 21,53 | RIOC30DX100Z |
| 21 | 300 | 1300 | 81 | 1250 | 5,72 | 27,83 | RIOC30DX130Z |
| 21 | 300 | 1600 | 81 | 1500 | 7,07 | 33,08 | RIOC30DX160Z |
| 21 | 300 | 2000 | 81 | 2000 | 8,89 | 40,43 | RIOC30DX200Z |
| 21 | 500 | 400 | 81 | 500 | 2,63 | 15,33 | RIOC50DX40Z |
| 21 | 500 | 500 | 81 | 750 | 3,38 | 17,85 | RIOC50DX50Z |
| 21 | 500 | 650 | 81 | 1000 | 4,41 | 22,58 | RIOC50DX65Z |
| 21 | 500 | 800 | 81 | 1250 | 5,49 | 25,83 | RIOC50DX80Z |
| 21 | 500 | 950 | 81 | 1500 | 6,54 | 32,55 | RIOC50DX95Z |
| 21 | 500 | 1250 | 81 | 2000 | 8,61 | 30,03 | RIOC50DX125Z |

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# Rio Plus | Data Sheet

Rio Plan & Linea Plus
Type 21

| Height B | 300 | 500 |
|---|---|---|
| b1 | 90 | 163 |
| b2 | 135 | 205 |

| Length A | 400 | 500 | 650 | 800 | 950 | 1000 | 1250 | 1300 | 1600 | 2000 |
|---|---|---|---|---|---|---|---|---|---|---|
| a1 | 101 | 203 | 355 | 508 | 660 | 711 | 965 | 1016 | 1320 | 1727 |

## RIO PLAN PLUS

| Type | Height B mm | Length radiator A mm | Depth * mm | Electric power W | Oil fill volume l | Weight kg | Product Code |
|---|---|---|---|---|---|---|---|
| 21 | 300 | 500 | 83 | 500 | 2,09 | 13,91 | RIOP30DX50Z |
| 21 | 300 | 800 | 83 | 750 | 3,46 | 19,87 | RIOP30DX80Z |
| 21 | 300 | 1000 | 83 | 1000 | 4,36 | 24,18 | RIOP30DX100Z |
| 21 | 300 | 1300 | 83 | 1250 | 5,72 | 31,29 | RIOP30DX130Z |
| 21 | 300 | 1600 | 83 | 1500 | 7,07 | 37,35 | RIOP30DX160Z |
| 21 | 300 | 2000 | 83 | 2000 | 8,89 | 45,77 | RIOP30DX200Z |
| 21 | 500 | 400 | 83 | 500 | 2,63 | 17,06 | RIOP50DX40Z |
| 21 | 500 | 500 | 83 | 750 | 3,38 | 20,02 | RIOP50DX50Z |
| 21 | 500 | 650 | 83 | 1000 | 4,41 | 25,41 | RIOP50DX65Z |
| 21 | 500 | 800 | 83 | 1250 | 5,49 | 29,33 | RIOP50DX80Z |
| 21 | 500 | 950 | 83 | 1500 | 6,54 | 36,71 | RIOP50DX95Z |
| 21 | 500 | 1250 | 83 | 2000 | 8,61 | 46,01 | RIOP50DX125Z |

# Rio Plus | Data Sheet

## RIO LINEA PLUS

| Type | Nominal Height B mm | Nominal Length A mm | Depth * mm | Electric power W | Oil fill volume l | Weight kg | Product Code |
|---|---|---|---|---|---|---|---|
| 21 | 300 | 500 | 83 | 500 | 2,09 | 13,91 | RIOL30DX50Z |
| 21 | 300 | 800 | 83 | 750 | 3,46 | 19,87 | RIOL30DX80Z |
| 21 | 300 | 1000 | 83 | 1000 | 4,36 | 24,18 | RIOL30DX100Z |
| 21 | 300 | 1300 | 83 | 1250 | 5,72 | 31,29 | RIOL30DX130Z |
| 21 | 300 | 1600 | 83 | 1500 | 7,07 | 37,35 | RIOL30DX160Z |
| 21 | 300 | 2000 | 83 | 2000 | 8,89 | 45,77 | RIOL30DX200Z |
| 21 | 500 | 400 | 83 | 500 | 2,63 | 17,06 | RIOL50DX40Z |
| 21 | 500 | 500 | 83 | 750 | 3,38 | 20,02 | RIOL50DX50Z |
| 21 | 500 | 650 | 83 | 1000 | 4,41 | 25,41 | RIOL50DX65Z |
| 21 | 500 | 800 | 83 | 1250 | 5,49 | 29,33 | RIOL50DX80Z |
| 21 | 500 | 950 | 83 | 1500 | 6,54 | 36,71 | RIOL50DX95Z |
| 21 | 500 | 1250 | 83 | 2000 | 8,61 | 46,01 | RIOL50DX125Z |

## Rio Compact Plus - Accessorises

| Picture | Description | Product Code |
|---|---|---|
|  | **Yali 90 degree adaptor**<br>Allows to rotated the control box by 90° on horizontal Yali radiators. | RIOPLUS90ADP |
|  | **Unisenza PLUS Gateway**<br>The central unit for connecting several Unisenza PLUS devices to the cloud and an Internet router with a WiFi or Ethernet cable connection. Connect up to 100 end devices such as Yali D+/P+/R+, intelligent room thermostats, radiator thermostats (eTRV), receivers, sensors, etc. | PUMG021 |
|  | **Touch 4**<br>For use with our electric Rio Plus radiators (additional ranges: FINESSE, DECOR &COLUMN) - Adjust the temperature of each room<br>• Easy to use<br>• Touch screen interface<br>• 4 switching times per day<br>• Holiday facility<br>• Boost facility<br>• Copy facility<br>• Mode select (Auto, Constant, Off)<br>• Up to 4 zones, each zone can be set to work in 5/2 or 7 day mode | TOUCH4 |

03/2023