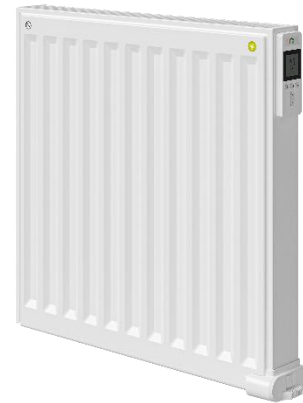


# Rio Plus | Data Sheet

## 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)



## 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



# Rio Plus | Data Sheet



## 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.

## 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

## 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.

# Rio Plus | Data Sheet

Rio Compact Plus  
Type 21

**DIMENSIONS**

The technical drawings illustrate the dimensions of the radiator. The front view shows a radiator with length A and height B. The side view shows a depth of 160 mm and a total depth of a1. A detail view shows the radiator's profile with a height of 30 mm, a depth of 81 mm, and mounting dimensions b1 and b2. A minimum clearance of 100 mm is indicated for the mounting.

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

\* ...

# Rio Plus | Data Sheet

Rio Plan & Linea Plus  
Type 21

**DIMENSIONS**

The technical drawings illustrate the dimensions of the Rio Plus radiator. The front view shows a rectangular radiator with length A and height B. The side view shows a depth of 160 mm and a total depth of a1. A detail view shows the radiator's profile with a depth of 83 mm and a mounting bracket with a height of 30 mm. The radiator is shown mounted on a wall with a minimum clearance of 100 mm from the bottom. The dimensions b1 and b2 represent the height of the radiator from the wall to the top and bottom of the radiator, respectively.

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 - Accessories		
Picture	Description	Product Code
	<p><b>Yali 90 degree adaptor</b></p> <p>Allows to rotated the control box by 90° on horizontal Yali radiators.</p>	<b>RIOPLUS90ADP</b>
	<p><b>Unisenza PLUS Gateway</b></p> <p>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.</p>	<b>PUMG021</b>
	<p><b>Touch 4</b></p> <p>For use with our electric Rio Plus radiators (additional ranges: FINESSE, DECOR &amp; COLUMN) - Adjust the temperature of each room</p> <ul style="list-style-type: none"> <li>• Easy to use</li> <li>• Touch screen interface</li> <li>• 4 switching times per day</li> <li>• Holiday facility</li> <li>• Boost facility</li> <li>• Copy facility</li> <li>• Mode select (Auto, Constant, Off)</li> <li>• Up to 4 zones, each zone can be set to work in 5/2 or 7 day mode</li> </ul>	<b>TOUCH4</b>