

TIANJIN JIUDING YANGGUANG HVAC CO., LTD

JD-11K

Panel Radiator (1 Panel + 1 Convector)

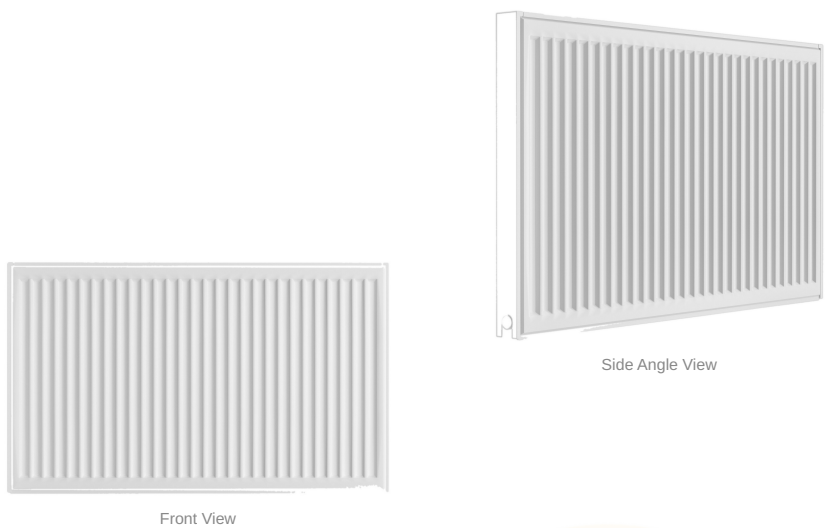
Type 11 panel radiator (1 panel + 1 convector).

60mm depth. Slimmest panel type.

EN 442 certified. Full size matrix available.

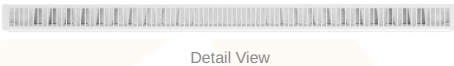
JD-11K — Product Overview

Panel Radiator (1 Panel + 1 Convector)



Key Features

- Type 11: 1P + 1C
- Depth: 60 mm
- Test pressure: 13 Bar
- EN 442-1 & 442-2
- H: 300-900 mm
- W: 400-3000 mm
- Bottom or side entry
- Cool white / Off white / Ivory



Colors & Finishes

White

Anthracite

Black

Glossy

Reluster

Matte

Custom RAL on request

Specifications — EN 442 ($\Delta T = 50^{\circ}\text{C}$)

Model Code	Height mm	Width mm	Depth mm	Centre mm	Power W $\Delta T50^{\circ}\text{C}$	Heating m^2
Height 300 mm						
C11-300-500	300	500	60	250	388	3.9
C11-300-1000	300	1000	60	250	777	7.8
C11-300-1500	300	1500	60	250	1165	11.7
C11-300-2000	300	2000	60	250	1554	15.5
C11-300-3000	300	3000	60	250	2331	23.3
Height 400 mm						
C11-400-500	400	500	60	350	498	5.0
C11-400-1000	400	1000	60	350	996	10.0
C11-400-1500	400	1500	60	350	1493	14.9
C11-400-2000	400	2000	60	350	1991	19.9
C11-400-3000	400	3000	60	350	2987	29.9
Height 500 mm						
C11-500-500	500	500	60	450	600	6.0
C11-500-1000	500	1000	60	450	1200	12.0
C11-500-1500	500	1500	60	450	1800	18.0
C11-500-2000	500	2000	60	450	2400	24.0
C11-500-3000	500	3000	60	450	3600	36.0
Height 600 mm						
C11-600-500	600	500	60	550	701	7.0
C11-600-1000	600	1000	60	550	1400	14.0
C11-600-1500	600	1500	60	550	2100	21.0
C11-600-2000	600	2000	60	550	2800	28.0
C11-600-3000	600	3000	60	550	4200	42.0
Height 900 mm						
C11-900-500	900	500	60	850	970	9.7
C11-900-1000	900	1000	60	850	1940	19.4
C11-900-1500	900	1500	60	850	2910	29.1
C11-900-2000	900	2000	60	850	3880	38.8
C11-900-3000	900	3000	60	850	5820	58.2

Customization: Product dimensions (height / width / depth) and colour are customizable to order. All figures in this datasheet are illustrative examples — exact specifications are confirmed per order and verified by test.

Heat Output at Various ΔT

EN 442 | $Q = Q_{50} \times (\Delta T / 50)^{1.3}$

JD-11K — Heat Output at Various ΔT (Watt, °C)

Model	$\Delta T=30$	$\Delta T=40$	$\Delta T=50$	$\Delta T=60$	Model	$\Delta T=30$	$\Delta T=40$	$\Delta T=50$	$\Delta T=60$
C11-300-500	200	290	388	492	C11-500-2000	1235	1796	2400	3042
C11-300-1000	400	581	777	985	C11-500-3000	1853	2694	3600	4563
C11-300-1500	600	872	1165	1477	C11-600-500	361	524	701	888
C11-300-2000	800	1163	1554	1970	C11-600-1000	721	1047	1400	1774
C11-300-3000	1200	1744	2331	2954	C11-600-1500	1081	1571	2100	2662
C11-400-500	256	373	498	631	C11-600-2000	1441	2095	2800	3549
C11-400-1000	513	745	996	1262	C11-600-3000	2162	3142	4200	5323
C11-400-1500	769	1117	1493	1892	C11-900-500	499	726	970	1229
C11-400-2000	1025	1490	1991	2524	C11-900-1000	999	1452	1940	2459
C11-400-3000	1538	2235	2987	3786	C11-900-1500	1498	2177	2910	3688
C11-500-500	309	449	600	760	C11-900-2000	1997	2903	3880	4918
C11-500-1000	618	898	1200	1521	C11-900-3000	2996	4355	5820	7377
C11-500-1500	927	1347	1800	2281					

Note: $\Delta T = 50^{\circ}\text{C}$ values are EN 442 tested. Other ΔT values are calculated using the formula $Q = Q_n \times (\Delta T / 50)^n$ where $n \approx 1.3$. ΔT is defined as $(T_{\text{supply}} + T_{\text{return}}) / 2 - T_{\text{room}}$.

Water Capacity (Litres)

Height	W 500 mm	W 1000 mm	W 1500 mm	W 2000 mm	W 3000 mm
300 mm	0.8	1.7	2.5	3.4	5.1
400 mm	1.0	2.0	3.0	4.1	6.1
500 mm	1.2	2.4	3.5	4.7	7.1
600 mm	1.3	2.7	4.0	5.4	8.1
900 mm	1.8	3.7	5.5	7.4	11.1

Calculated values for reference only (EN 442 industry-typical panel water content); exact data should be based on the test.

Manufacturing Specification (EN 442)

Parameter	Specification	Tolerance / Reference
Panel steel thickness	min. 1.1 mm	-0 / +0.04 mm
Side cover & top grill steel	0.60 mm	± 0.05 mm
Flat surface steel	1 mm	± 0.07 mm
Convector steel	0.35 mm	± 0.05 mm
Varnish layer thickness	100–120 micron	—
Varnish colour	RAL 9016	—
Spot welding point diameter	Φ8 mm	—
Steel quality	DC 01 acc. EN 10130 / EN 10131, low-carbon	Free of scaling / rust; MTC provided
Pressure tightness	13 bar	EN 442-2
Burst strength	16.9 bar	2 min — no burst / no leakage
Dimensional deviations	Within tolerance	EN 442-2 Table 3
Reaction to fire	Class A1	—
Release of dangerous substances	None	—
Surface temperature	Up to 120°C	—
Resistance against minor impact	Tested	EN 442-1 item 5.9

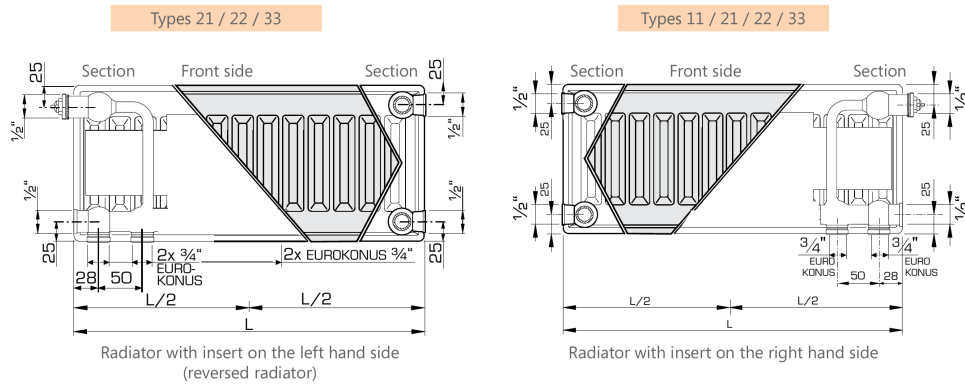
Wet surfaces made of low-carbon steel sheet, free of scaling and rust; Mill Test Certificate (MTC) from the raw-material supplier provided prior to each order.

Installation & Care Guidelines

- Avoid bumps and pressure during transport and assembly; store in a dry, cool place (not outdoors, below 0°C or in humid environments).
- Panel radiators must be installed and repaired by professional persons.
- Unwrap the blind plug, air-vent plug and fasteners carefully; do not cut the paint when removing the packaging.
- For indoor use. Do not use in corrosive or high-humidity rooms (bathrooms, bathhouses, car-wash rooms, cold storage).
- Factory pressure-tested at 10 bar — do not connect directly to a mains water pipe or operate above the rated system pressure.
- Keep the radiator completely filled with water; empty only for replacement, inspection or repair and refill immediately.
- Not suitable for steam heating systems.
- Water quality: calcium carbonate and oxygen content 0 mg/L; hardness ≤ 4.0 mval/L.
- Do not wipe the surface with organic solvents, acids or other corrosive reagents.

Technical Drawing & Installation

Panel Radiator (1 Panel + 1 Convactor)



Installation & Mounting

Panel height mm	Bracket height mm
300	110
600	410
900	710

- Length 600–1400 mm: **2 brackets**
- Length 1600–2400 mm: **3 brackets**
- Optional hanging: long side 38 mm / short side 23 mm
- Minimum **150 mm** clearance from the floor

Radiator length mm	Bracket spacing A mm	Brackets
600	400	2
800	600	2
1000	800	2
1200	1000	2
1400	1200	2
1600	700	3
1800	800	3
2000	900	3
2200	1000	3
2400	1100	3

Customization Options

 Bottom-entry tee accessories 底进三通配件 — tee valve sets for bottom-entry connection	 Wall mounting Single-sided (单面挂) or double-sided (双面挂) wall brackets; optional long-side 38 mm / short-side 23 mm hanging	 Floor bracket 地支架 — free-standing floor mounting where wall fixing is not possible	 Height series 300 / 400 / 500 / 600 / 700 / 900 mm; width 400–3000 mm
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Dimensions & colours are customizable to order — figures shown are illustrative; actual specifications are confirmed per order.

Dimensional Reference

Parameter	300 mm	400 mm	500 mm	600 mm	900 mm
Overall Height (mm)	300	400	500	600	900
Centre Distance (mm)	250	350	450	550	850
Depth (mm)	60				
Test pressure	13 Bar				
Connections	Bottom or side entry				
Available widths (mm)	400–3000 mm				

Hydraulic Connections — Panel Radiators

