



TIANJIN JIUDING YANGGUANG HVAC CO., LTD

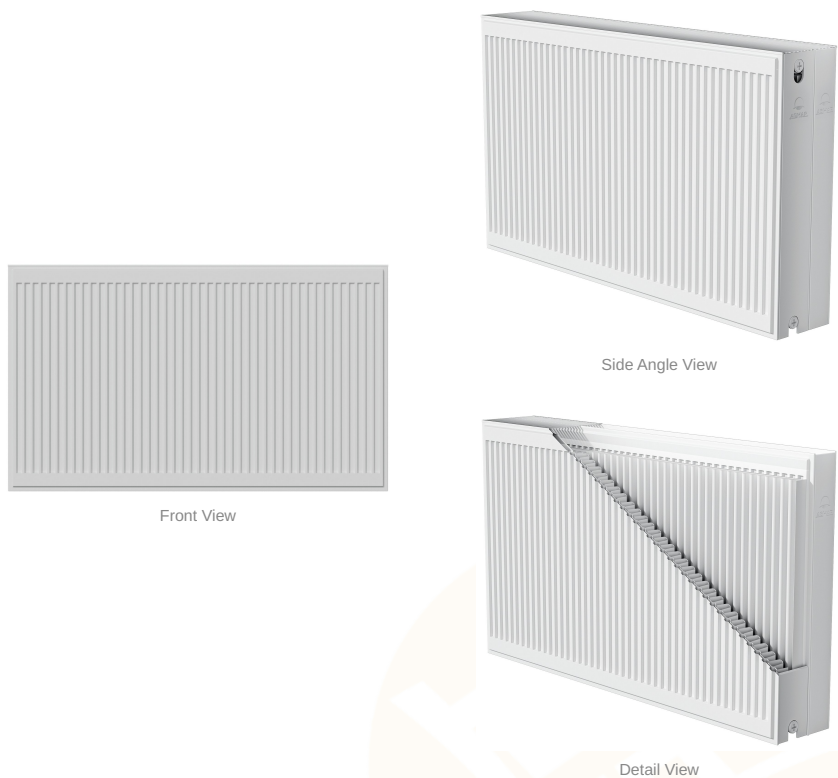
JD-33K

Panel Radiator (3 Panels + 3 Convectors)

Type 33 panel radiator (3 panels + 3 convectors).
150mm depth. Maximum heat output panel type.
EN 442 certified. Full size matrix available.

JD-33K — Product Overview

Panel Radiator (3 Panels + 3 Convectors)



Key Features

- Type 33: 3P + 3C
- Depth: 150 mm
- Test pressure: 13 Bar
- EN 442-1 & 442-2
- H: 300-900 mm
- W: 400-3000 mm
- Maximum panel output
- 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						
C33-300-500	300	500	150	250	1010	10.1
C33-300-1000	300	1000	150	250	2020	20.2
C33-300-1500	300	1500	150	250	3030	30.3
C33-300-2000	300	2000	150	250	4040	40.4
C33-300-3000	300	3000	150	250	6060	60.6
Height 400 mm						
C33-400-500	400	500	150	350	1298	13.0
C33-400-1000	400	1000	150	350	2596	26.0
C33-400-1500	400	1500	150	350	3894	38.9
C33-400-2000	400	2000	150	350	5192	51.9
C33-400-3000	400	3000	150	350	7788	77.9
Height 500 mm						
C33-500-500	500	500	150	450	1596	16.0
C33-500-1000	500	1000	150	450	3190	31.9
C33-500-1500	500	1500	150	450	4785	47.9
C33-500-2000	500	2000	150	450	6380	63.8
C33-500-3000	500	3000	150	450	9570	95.7
Height 600 mm						
C33-600-500	600	500	150	550	1855	18.6
C33-600-1000	600	1000	150	550	3710	37.1
C33-600-1500	600	1500	150	550	5565	55.7
C33-600-2000	600	2000	150	550	7420	74.2
C33-600-3000	600	3000	150	550	11130	111.3
Height 900 mm						
C33-900-500	900	500	150	850	2406	24.1
C33-900-1000	900	1000	150	850	4811	48.1
C33-900-1500	900	1500	150	850	7217	72.2
C33-900-2000	900	2000	150	850	9622	96.2
C33-900-3000	900	3000	150	850	14433	144.3

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-33K — Heat Output at Various ΔT (Watt, °C)

Model	$\Delta T=30$	$\Delta T=40$	$\Delta T=50$	$\Delta T=60$	Model	$\Delta T=30$	$\Delta T=40$	$\Delta T=50$	$\Delta T=60$
C33-300-500	520	756	1010	1280	C33-500-2000	3284	4774	6380	8086
C33-300-1000	1040	1511	2020	2560	C33-500-3000	4926	7160	9570	12130
C33-300-1500	1560	2267	3030	3840	C33-600-500	955	1388	1855	2351
C33-300-2000	2080	3023	4040	5121	C33-600-1000	1910	2776	3710	4702
C33-300-3000	3119	4534	6060	7681	C33-600-1500	2865	4164	5565	7053
C33-400-500	668	971	1298	1645	C33-600-2000	3819	5552	7420	9405
C33-400-1000	1336	1942	2596	3290	C33-600-3000	5729	8327	11130	14107
C33-400-1500	2004	2913	3894	4936	C33-900-500	1238	1800	2406	3050
C33-400-2000	2673	3885	5192	6581	C33-900-1000	2476	3600	4811	6098
C33-400-3000	4009	5827	7788	9871	C33-900-1500	3715	5400	7217	9147
C33-500-500	822	1194	1596	2023	C33-900-2000	4953	7199	9622	12196
C33-500-1000	1642	2387	3190	4043	C33-900-3000	7429	10799	14433	18293
C33-500-1500	2463	3580	4785	6065					

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	2.5	5.1	7.6	10.2	15.3
400 mm	3.0	6.1	9.1	12.2	18.3
500 mm	3.5	7.1	10.6	14.2	21.3
600 mm	4.0	8.1	12.1	16.2	24.3
900 mm	5.5	11.1	16.6	22.2	33.3

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

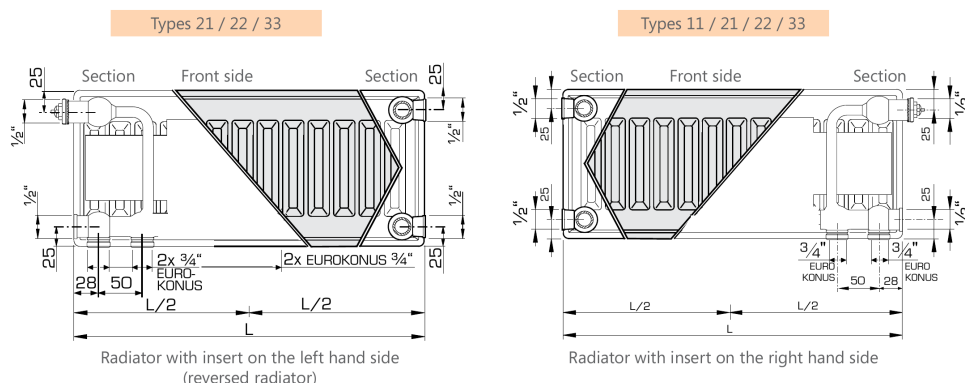
Wet surfaces made of low-carbon steel sheet, free of scaling and rust; Mill Test Certificate (MTC) from the raw-material supplier provided prior to each order.

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 (3 Panels + 3 Convectors)



Installation & Mounting

Panel height mm	Bracket height mm	Radiator length mm	Bracket spacing A mm	Brackets
300	110	600	400	2
600	410	800	600	2
900	710	1000	800	2
		1200	1000	2
		1400	1200	2
		1600	700	3
		1800	800	3
		2000	900	3
		2200	1000	3
		2400	1100	3

- 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

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)	150				
Test pressure	13 Bar				
Connections	Bottom or side entry				
Available widths (mm)	400–3000 mm				

Hydraulic Connections — Panel Radiators

