

**jaga**  
CLIMATE DESIGNERS

**LYNGSON**



## **KNOCKONWOOD FREESTANDING DBE**

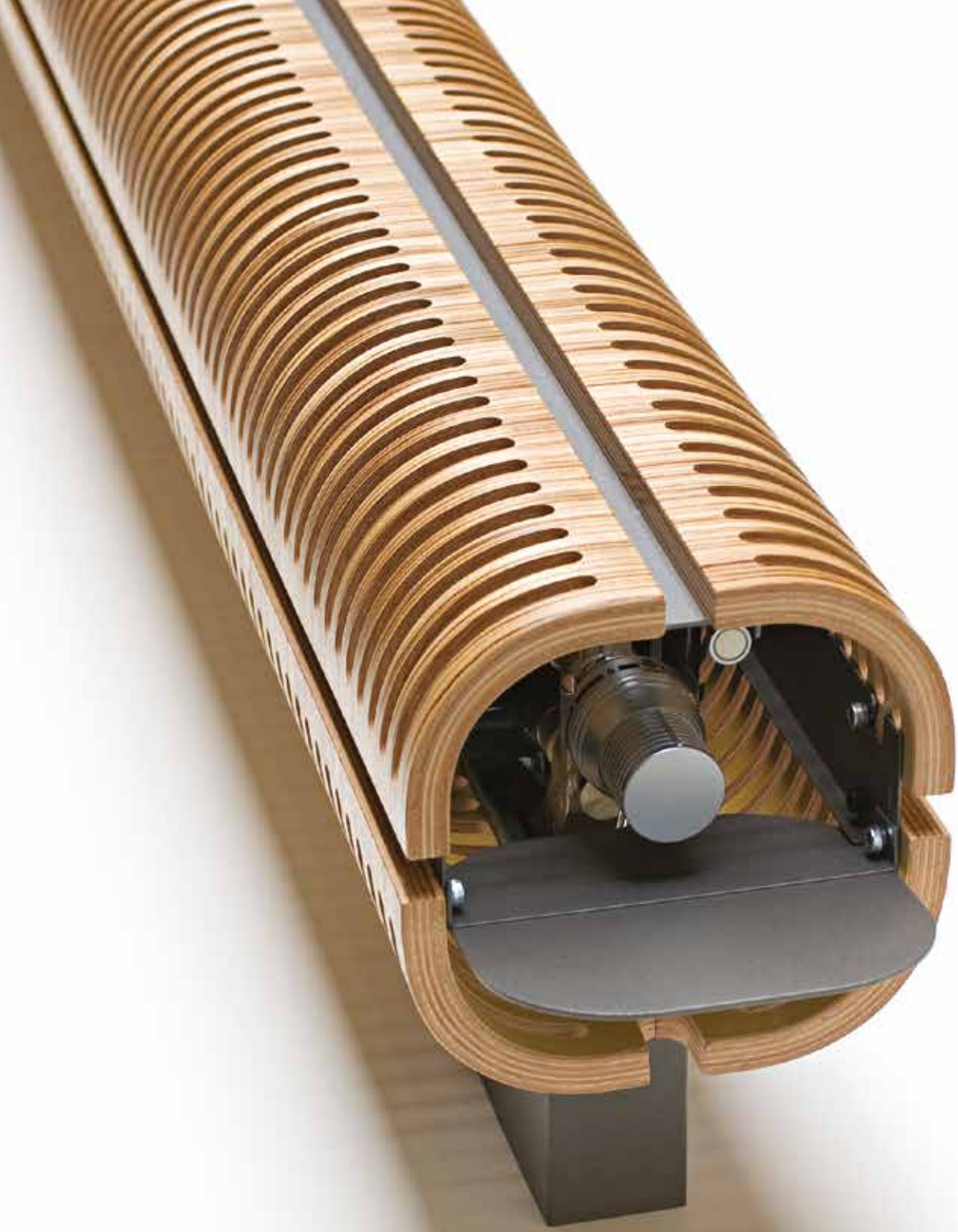


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# KNOCKONWOOD FREESTANDING DBE

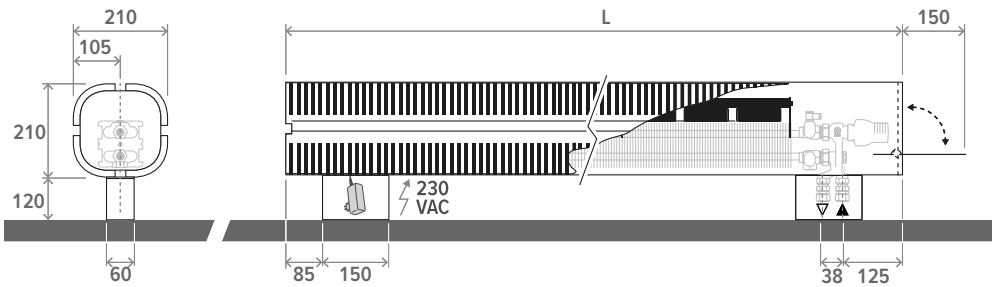
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# KNOCKONWOOD FREESTANDING



DIMENSIONS (in cm)






## STANDARD DELIVERY

- one-piece, fully assembled radiator, easy-to-open side to regulate the temperature.
- curved plywood casing with a high-grade veneer, satin-matte finish
- pre-assembled DBE set with control, and 12 VDC power supply
- Low-H<sub>2</sub>O heat exchanger type 15
- feet and side panels in sandblast grey 001, thermostatic head hidden behind the side panel.
- fixed feet: height 12 cm
- Jaga valve and thermostatic head, can be connected to the left or right in the foot.
- angled air vent 1/8" and drain plug 1/2"

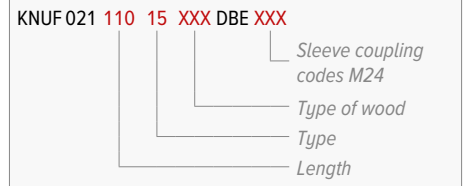
## WOOD FINISHES

The wooden casing is finished with a scratch-resistant polyurethane varnish, satin matte, gloss degree 40%. High UV resistance.

Available from stock in height 055 and lengths from 060 to 140.

	
<b>700</b> Oak natural	<b>740</b> Zebrano natural
<b>Available on request</b>	
	
<b>760</b> Maple natural	<b>720</b> Beech natural
	
<b>701</b> Oak bleached	<b>721</b> Beech bleached
	
<b>710</b> Mahogany	<b>702</b> Oak wenge-coloured
	
<b>780</b> Walnut	

## ORDER CODE



## Sleeve coupling codes M24

PRECISION METAL TUBE		SYNTHETIC	
CODE	Tube Ø	CODE	Tube Ø
112	12/1	212	12/2
114	14/1	219	16/1.5
115	15/1	216	16/2
116	16/1	217	17/2
118	18/1	218	18/2

RPE/ALU		STEEL TUBE FOR C.H.	
CODE	Tube Ø	CODE	Tube Ø
314	14/2	501	M24 x 1/2"
316	16/2	503	M24 x 3/8"
326	16/2.2		
318	18/2		

## KNOCKONWOOD FREESTANDING

## TECHNICAL TABLE

HEIGHT H cm	LENGTH L cm	TYPE T	STABNDY (S) / COMFORT (C)	HEATING Room temperature 20°C				WEIGHT Kg	WATER CONTENT L	ORDER CODE
				35/30 Watts	45/40 Watts	55/45 Watts	75/65 Watts			
210	110	15	S					18.0	1.08	KNUF 021 110 15 XXX DBE XXX
			C							
	130	15	S					21.0	1.28	KNUF 021 110 15 XXX DBE XXX
			C							
	170	15	S					24.0	1.67	KNUF 021 110 15 XXX DBE XXX
			C							
	210	15	S					27.0	2.06	KNUF 021 110 15 XXX DBE XXX
			C							

type of wood  
sleeve coupling codes M24

The indicated outputs at  $\Delta T$  50 are exact values, measured in accordance with EN442. This table provides a calculated value using an average correction factor for all other  $\Delta T$  outputs, valid for all dimensions.

Click [www.jaga.com/selection-tools/](http://www.jaga.com/selection-tools/) to download the calculation tools with the exact outputs. The online calculation tools are kept up to date with the most recent data. Minor output differences between printed tables and the different online calculation tools are therefore completely normal and within the margins of tolerance imposed by the standard.

## AVERAGE CORRECTION FACTORS FOR HYBRID PRODUCTS - 75/65/20°C

room temperature: 20°C

Average N-value: 1.10

TA	TR	65	60	55	50	45	40	35	30	25
75		1.00	0.94	0.88	0.81	0.74	0.67	0.59	0.50	0.38
70		0.95	0.89	0.83	0.77	0.70	0.63	0.55	0.47	0.36
65			0.84	0.78	0.72	0.66	0.59	0.52	0.43	0.33
60				0.73	0.67	0.61	0.55	0.48	0.40	0.30
55					0.62	0.57	0.51	0.44	0.37	0.28
50						0.52	0.46	0.40	0.33	0.25
45							0.42	0.36	0.29	0.22
40								0.31	0.26	0.19
35									0.22	0.15
30										0.12

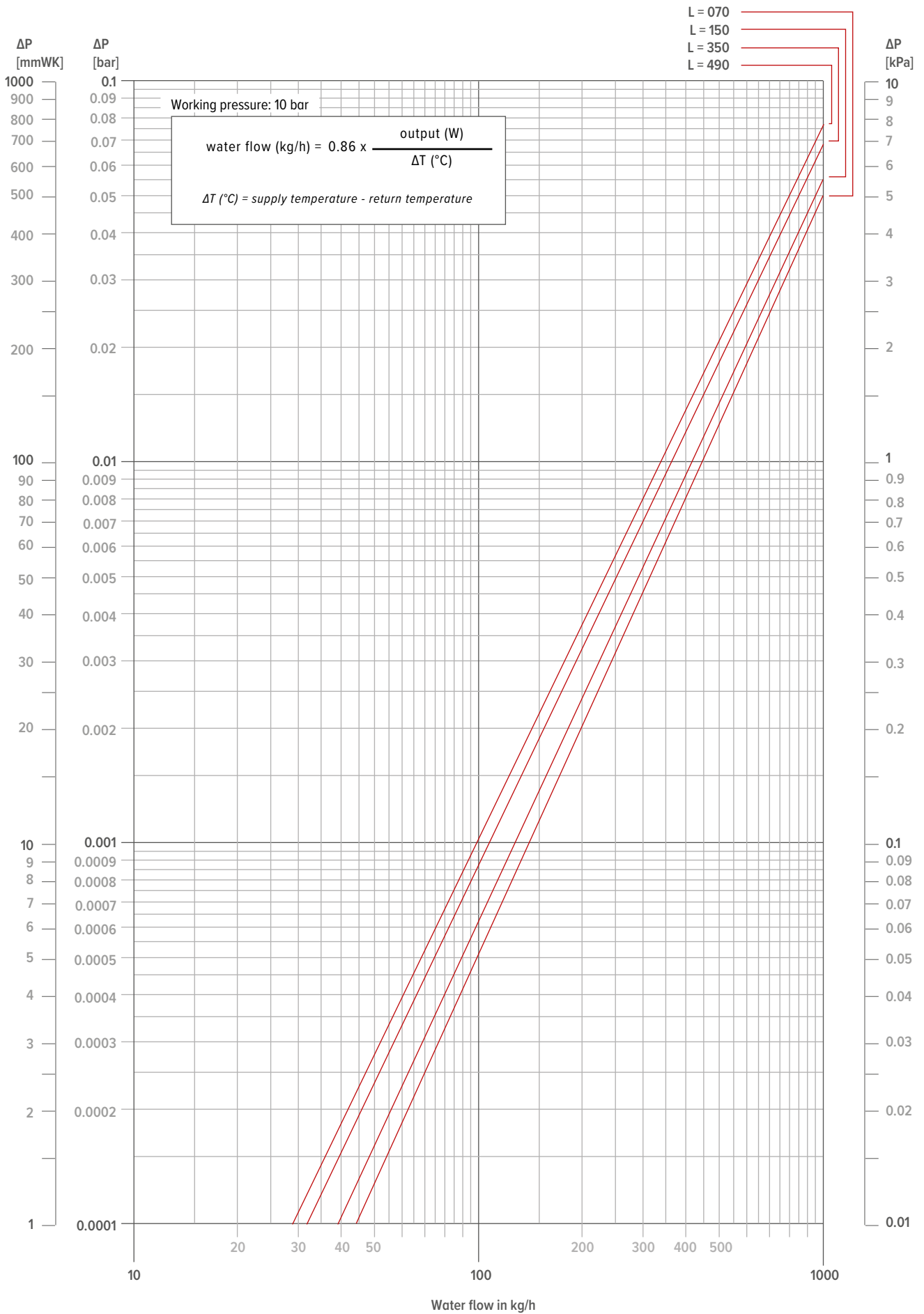
room temperature: 24°C

Average N-value: 1.10

TA	TR	65	60	55	50	45	40	35	30	25
75		0.91	0.85	0.79	0.72	0.65	0.58	0.49	0.39	0.22
70		0.86	0.80	0.74	0.68	0.61	0.54	0.46	0.36	0.20
65			0.75	0.69	0.63	0.57	0.50	0.42	0.33	0.19
60				0.64	0.59	0.53	0.46	0.39	0.30	0.17
55					0.54	0.48	0.42	0.35	0.27	0.15
50						0.44	0.38	0.32	0.24	0.13
45							0.33	0.28	0.21	0.11
40								0.23	0.17	0.09
35									0.14	0.07
30										0.04

## GUIDELINE FOR LIMITING FLOW NOISE

TUBE	outer $\varnothing$ mm	Wall thickness mm	Max. water speed (EN10255) m/s	water content per metre l	max. water flow kg/h	Maximum power at $\Delta T$ (° C) (T supply - T return)						
						$\Delta T$ 30 Watts	$\Delta T$ 20 Watts	$\Delta T$ 10 Watts	$\Delta T$ 5 Watts	$\Delta T$ 4 Watts	$\Delta T$ 3 Watts	$\Delta T$ 2 Watts
<b>GALVANISED PIPE DIN 2440</b>												
3/8 DN10 OD	17.2	2.35	0.40	0.12	173	6028	4019	2009	1005	804	603	402
1/2 DN15 OD	21.3	2.65	0.40	0.20	288	10046	6698	3349	1674	1340	1005	670
3/4 DN20 OD	26.9	2.65	0.42	0.37	559	19515	13010	6505	3253	2602	1952	1301
1 DN25 OD	33.7	3.25	0.49	0.58	1023	35690	23793	11897	5948	4759	3569	2379
1 1/4 DN32 OD	42.4	3.25	0.60	1.01	2182	76101	50734	25367	12684	10147	7610	5073
1 1/2 DN40 OD	48.3	3.25	0.66	1.37	3255	113549	75700	37850	18925	15140	11355	7570
2 DN50 OD	60.3	3.65	0.80	2.21	6365	222025	148017	74008	37004	29603	22203	14802
<b>PRECISION METAL TUBE</b>												
10/1	10	1.00	0.40	0.05	72	2512	1674	837	419	335	251	167
12/1	12	1.00	0.40	0.08	115	4019	2679	1340	670	536	402	268
14/1	14	1.00	0.40	0.11	158	5526	3684	1842	921	737	553	368
15/1	15	1.00	0.40	0.13	187	6530	4353	2177	1088	871	653	435
16/1	16	1.00	0.40	0.15	216	7535	5023	2512	1256	1005	753	502
18/1	18	1.00	0.40	0.20	288	10046	6698	3349	1674	1340	1005	670
22/1	22	1.00	0.40	0.31	446	15572	10381	5191	2595	2076	1557	1038
28/1	28	1.00	0.47	0.53	904	31522	21014	10507	5254	4203	3152	2101
<b>RPE/ALU</b>												
12/2	12	2.00	0.40	0.05	72	2512	1674	837	419	335	251	167
14/2	14	2.00	0.40	0.08	115	4019	2679	1340	670	536	402	268
16/1.5	16	1.50	0.40	0.13	187	6530	4353	2177	1088	871	653	435
16/2	16	2.00	0.40	0.11	158	5526	3684	1842	921	737	553	368
17/2	17	2.00	0.40	0.13	187	6530	4353	2177	1088	871	653	435
18/2	18	2.00	0.40	0.15	216	7535	5023	2512	1256	1005	753	502
20/2	20	2.00	0.40	0.20	288	10046	6698	3349	1674	1340	1005	670
26/3	26	3.00	0.40	0.31	446	15572	10381	5191	2595	2076	1557	1038
32/3	32	3.00	0.47	0.53	904	31522	21014	10507	5254	4203	3152	2101
40/3.5	40	3.50	0.56	0.86	1726	60220	40147	20073	10037	8029	6022	4015
50/4.25	50	4.25	0.66	1.35	3206	111824	74549	37275	18637	14910	11182	7455
63/5	63	5.00	0.80	2.21	6346	221359	147573	73786	36893	29515	22136	14757





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In need of some advice? Make an appointment at the Jaga Advice Centre.

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