



DECLARATION OF PERFORMANCE

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2012

Number: 10-2020/33

Description: Steel Panel Radiators

Model: Type 33

Intended use: Heating systems in buildings

Manufacturer:

Uterm Ukraine, LLC

Michurina str., 8,

Chuhuev, Kharkov region,

Ukraine, 63506

Reg. № 40532173

System of assessment and verification of constancy of performance: SYSTEM 3

Harmonised standard: EN 442-1: 2014; **Notified body:** No. 2693

Declared performances:

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	A1	EN 442-1: 2014
Release of dangerous substances	None	
Pressure tightness	No leakage at 1,3times maximum operating pressure	
Surface temperature	Up to 110 °C	
Resistance to internal pressure	No burst at 1,69times maximum operating pressure. Maximum operating pressure: 1000 kPa	
Resistance to corrosion	No corrosion after exposure to humidity for 100 hours	
Resistance to damage by small chocks	Class 0	
Rated thermal outputs	See below	
Thermal output at different operating conditions (characteristic equations)	See below	

Rated thermal outputs:

Φ_{50}

Rated low temperature thermal outputs:

Φ_{30}

Thermal output at different operating conditions

$\Phi = \Phi_{50} \cdot (\Delta T / 50)^n$

Type	Height (mm)	Length (mm)	Φ_{50} (W)	Φ_{30} (W)	n
33	200	400	436	218	1,3440
33	200	500	545	273	1,3440
33	200	600	654	327	1,3440
33	200	700	763	382	1,3440

Type	Height (mm)	Length (mm)	Φ_{50} (W)	Φ_{30} (W)	n
33	200	800	872	436	1,3440
33	200	900	981	491	1,3440
33	200	1000	1090	545	1,3440
33	200	1100	1199	600	1,3440
33	200	1200	1308	654	1,3440
33	200	1300	1417	709	1,3440
33	200	1400	1526	763	1,3440
33	200	1500	1635	818	1,3440
33	200	1600	1744	872	1,3440
33	200	1700	1853	927	1,3440
33	200	1800	1962	982	1,3440
33	200	1900	2071	1036	1,3440
33	200	2000	2180	1091	1,3440
33	200	2100	2289	1145	1,3440
33	200	2200	2398	1200	1,3440
33	200	2300	2507	1254	1,3440
33	200	2400	2616	1309	1,3440
33	200	2500	2725	1363	1,3440
33	200	2600	2834	1418	1,3440
33	200	2700	2943	1472	1,3440
33	200	2800	3052	1527	1,3440
33	200	2900	3161	1581	1,3440
33	200	3000	3270	1636	1,3440
33	300	400	506	259	1,3007
33	300	500	633	323	1,3007
33	300	600	760	388	1,3007
33	300	700	886	452	1,3007
33	300	800	1013	517	1,3007
33	300	900	1139	582	1,3007
33	300	1000	1266	646	1,3007
33	300	1100	1393	711	1,3007
33	300	1200	1519	776	1,3007
33	300	1300	1646	840	1,3007
33	300	1400	1772	905	1,3007
33	300	1500	1899	970	1,3007
33	300	1600	2026	1034	1,3007
33	300	1700	2152	1099	1,3007
33	300	1800	2279	1163	1,3007
33	300	1900	2405	1228	1,3007
33	300	2000	2532	1293	1,3007
33	300	2100	2659	1357	1,3007

<i>Type</i>	Height (mm)	Length (mm)	Φ_{50} (W)	Φ_{30} (W)	<i>n</i>
33	300	2200	2785	1422	1,3007
33	300	2300	2912	1487	1,3007
33	300	2400	3038	1551	1,3007
33	300	2500	3165	1616	1,3007
33	300	2600	3292	1681	1,3007
33	300	2700	3418	1745	1,3007
33	300	2800	3545	1810	1,3007
33	300	2900	3671	1874	1,3007
33	300	3000	3798	1939	1,3007
33	500	400	794	401	1,3205
33	500	500	993	502	1,3205
33	500	600	1192	602	1,3205
33	500	700	1390	703	1,3205
33	500	800	1589	803	1,3205
33	500	900	1787	903	1,3205
33	500	1000	1986	1004	1,3205
33	500	1100	2185	1104	1,3205
33	500	1200	2383	1204	1,3205
33	500	1300	2582	1305	1,3205
33	500	1400	2780	1405	1,3205
33	500	1500	2979	1505	1,3205
33	500	1600	3178	1606	1,3205
33	500	1700	3376	1706	1,3205
33	500	1800	3575	1807	1,3205
33	500	1900	3773	1907	1,3205
33	500	2000	3972	2007	1,3205
33	500	2100	4171	2108	1,3205
33	500	2200	4369	2208	1,3205
33	500	2300	4568	2308	1,3205
33	500	2400	4766	2409	1,3205
33	500	2500	4965	2509	1,3205
33	500	2600	5164	2609	1,3205
33	500	2700	5362	2710	1,3205
33	500	2800	5561	2810	1,3205
33	500	2900	5759	2911	1,3205
33	500	3000	5958	3011	1,3205
33	600	400	915	463	1,3194
33	600	500	1143	578	1,3194
33	600	600	1372	694	1,3194
33	600	700	1601	809	1,3194
33	600	800	1830	925	1,3194

Type	Height (mm)	Length (mm)	Φ_{50} (W)	Φ_{30} (W)	n
33	600	900	2058	1041	1,3194
33	600	1000	2287	1156	1,3194
33	600	1100	2516	1272	1,3194
33	600	1200	2744	1388	1,3194
33	600	1300	2973	1503	1,3194
33	600	1400	3202	1619	1,3194
33	600	1500	3430	1735	1,3194
33	600	1600	3659	1850	1,3194
33	600	1700	3888	1966	1,3194
33	600	1800	4117	2082	1,3194
33	600	1900	4345	2197	1,3194
33	600	2000	4574	2313	1,3194
33	600	2100	4803	2428	1,3194
33	600	2200	5031	2544	1,3194
33	600	2300	5260	2660	1,3194
33	600	2400	5489	2775	1,3194
33	600	2500	5717	2891	1,3194
33	600	2600	5946	3007	1,3194
33	600	2700	6175	3122	1,3194
33	600	2800	6404	3238	1,3194
33	600	2900	6632	3354	1,3194
33	600	3000	6861	3469	1,3194
33	900	400	1305	646	1,3565
33	900	500	1631	808	1,3565
33	900	600	1957	969	1,3565
33	900	700	2283	1131	1,3565
33	900	800	2610	1292	1,3565
33	900	900	2936	1454	1,3565
33	900	1000	3262	1615	1,3565
33	900	1100	3588	1777	1,3565
33	900	1200	3914	1938	1,3565
33	900	1300	4241	2100	1,3565
33	900	1400	4567	2261	1,3565
33	900	1500	4893	2423	1,3565
33	900	1600	5219	2584	1,3565
33	900	1700	5545	2746	1,3565
33	900	1800	5872	2907	1,3565
33	900	1900	6198	3069	1,3565
33	900	2000	6524	3230	1,3565
33	900	2100	6850	3392	1,3565
33	900	2200	7176	3553	1,3565

<i>Type</i>	Height (mm)	Length (mm)	Φ_{50} (W)	Φ_{30} (W)	<i>n</i>
33	900	2300	7503	3715	1,3565
33	900	2400	7829	3876	1,3565
33	900	2500	8155	4038	1,3565
33	900	2600	8481	4199	1,3565
33	900	2700	8807	4361	1,3565
33	900	2800	9134	4522	1,3565
33	900	2900	9460	4684	1,3565
33	900	3000	9786	4845	1,3565

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above. Signed for and on behalf of the manufacturer by:

October 01, 2020

A handwritten signature in blue ink, consisting of several fluid, overlapping strokes that form a cursive shape.

Director of operations
Hmarenko Aleksandr