



DECLARATION OF PERFORMANCE

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

Number: 10-2020/22

Description: Steel Panel Radiators

Model: Type 22

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
22	200	400	310	157	1,3130
22	200	500	387	197	1,3130
22	200	600	464	236	1,3130
22	200	700	542	275	1,3130

Type	Height (mm)	Length (mm)	Φ_{50} (W)	Φ_{30} (W)	n
22	200	800	619	315	1,3130
22	200	900	697	354	1,3130
22	200	1000	774	393	1,3130
22	200	1100	851	433	1,3130
22	200	1200	929	472	1,3130
22	200	1300	1006	511	1,3130
22	200	1400	1084	551	1,3130
22	200	1500	1161	590	1,3130
22	200	1600	1238	629	1,3130
22	200	1700	1316	669	1,3130
22	200	1800	1393	708	1,3130
22	200	1900	1471	747	1,3130
22	200	2000	1548	787	1,3130
22	200	2100	1625	826	1,3130
22	200	2200	1703	865	1,3130
22	200	2300	1780	905	1,3130
22	200	2400	1858	944	1,3130
22	200	2500	1935	983	1,3130
22	200	2600	2012	1023	1,3130
22	200	2700	2090	1062	1,3130
22	200	2800	2167	1101	1,3130
22	200	2900	2245	1140	1,3130
22	200	3000	2322	1180	1,3130
22	300	400	358	183	1,2971
22	300	500	447	228	1,2971
22	300	600	537	274	1,2971
22	300	700	626	320	1,2971
22	300	800	716	365	1,2971
22	300	900	805	411	1,2971
22	300	1000	895	457	1,2971
22	300	1100	984	503	1,2971
22	300	1200	1073	548	1,2971
22	300	1300	1163	594	1,2971
22	300	1400	1252	640	1,2971
22	300	1500	1342	685	1,2971
22	300	1600	1431	731	1,2971
22	300	1700	1521	777	1,2971
22	300	1800	1610	822	1,2971
22	300	1900	1700	868	1,2971
22	300	2000	1789	914	1,2971
22	300	2100	1878	959	1,2971

Type	Height (mm)	Length (mm)	Φ_{50} (W)	Φ_{30} (W)	n
22	300	2200	1968	1005	1,2971
22	300	2300	2057	1051	1,2971
22	300	2400	2147	1096	1,2971
22	300	2500	2236	1142	1,2971
22	300	2600	2326	1188	1,2971
22	300	2700	2415	1234	1,2971
22	300	2800	2505	1279	1,2971
22	300	2900	2594	1325	1,2971
22	300	3000	2684	1371	1,2971
22	500	400	581	295	1,3138
22	500	500	726	369	1,3138
22	500	600	871	443	1,3138
22	500	700	1016	516	1,3138
22	500	800	1162	590	1,3138
22	500	900	1307	664	1,3138
22	500	1000	1452	738	1,3138
22	500	1100	1597	812	1,3138
22	500	1200	1742	885	1,3138
22	500	1300	1888	959	1,3138
22	500	1400	2033	1033	1,3138
22	500	1500	2178	1107	1,3138
22	500	1600	2323	1180	1,3138
22	500	1700	2468	1254	1,3138
22	500	1800	2613	1328	1,3138
22	500	1900	2759	1402	1,3138
22	500	2000	2904	1475	1,3138
22	500	2100	3049	1549	1,3138
22	500	2200	3194	1623	1,3138
22	500	2300	3339	1697	1,3138
22	500	2400	3485	1771	1,3138
22	500	2500	3630	1844	1,3138
22	500	2600	3775	1918	1,3138
22	500	2700	3920	1992	1,3138
22	500	2800	4065	2066	1,3138
22	500	2900	4211	2139	1,3138
22	500	3000	4356	2213	1,3138
22	600	400	656	335	1,3047
22	600	500	821	419	1,3047
22	600	600	985	503	1,3047
22	600	700	1149	587	1,3047
22	600	800	1313	670	1,3047

Type	Height (mm)	Length (mm)	Φ_{50} (W)	Φ_{30} (W)	n
22	600	900	1477	754	1,3047
22	600	1000	1641	838	1,3047
22	600	1100	1805	922	1,3047
22	600	1200	1969	1006	1,3047
22	600	1300	2133	1090	1,3047
22	600	1400	2297	1173	1,3047
22	600	1500	2462	1257	1,3047
22	600	1600	2626	1341	1,3047
22	600	1700	2790	1425	1,3047
22	600	1800	2954	1509	1,3047
22	600	1900	3118	1592	1,3047
22	600	2000	3282	1676	1,3047
22	600	2100	3446	1760	1,3047
22	600	2200	3610	1844	1,3047
22	600	2300	3774	1928	1,3047
22	600	2400	3938	2011	1,3047
22	600	2500	4103	2095	1,3047
22	600	2600	4267	2179	1,3047
22	600	2700	4431	2263	1,3047
22	600	2800	4595	2347	1,3047
22	600	2900	4759	2431	1,3047
22	600	3000	4923	2514	1,3047
22	900	400	956	473	1,3609
22	900	500	1194	591	1,3609
22	900	600	1433	710	1,3609
22	900	700	1672	828	1,3609
22	900	800	1911	946	1,3609
22	900	900	2150	1065	1,3609
22	900	1000	2389	1183	1,3609
22	900	1100	2628	1301	1,3609
22	900	1200	2867	1419	1,3609
22	900	1300	3106	1538	1,3609
22	900	1400	3345	1656	1,3609
22	900	1500	3583	1774	1,3609
22	900	1600	3822	1893	1,3609
22	900	1700	4061	2011	1,3609
22	900	1800	4300	2129	1,3609
22	900	1900	4539	2247	1,3609
22	900	2000	4778	2366	1,3609
22	900	2100	5017	2484	1,3609
22	900	2200	5256	2602	1,3609

<i>Type</i>	Height (mm)	Length (mm)	Φ_{50} (W)	Φ_{30} (W)	<i>n</i>
22	900	2300	5495	2721	1,3609
22	900	2400	5734	2839	1,3609
22	900	2500	5972	2957	1,3609
22	900	2600	6211	3076	1,3609
22	900	2700	6450	3194	1,3609
22	900	2800	6689	3312	1,3609
22	900	2900	6928	3430	1,3609
22	900	3000	7167	3549	1,3609

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 stylized, elongated shape.

Director of operations
Hmarenko Aleksandr