



DECLARATION OF PERFORMANCE

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

Number: 10-2020/21

Description: Steel Panel Radiators

Model: Type 21S

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
21S	300	400	281	143	1,3088
21S	300	500	351	179	1,3088
21S	300	600	422	214	1,3088
21S	300	700	492	250	1,3088

Type	Height (mm)	Length (mm)	Φ_{50} (W)	Φ_{30} (W)	n
21S	300	800	562	286	1,3088
21S	300	900	633	322	1,3088
21S	300	1000	703	357	1,3088
21S	300	1100	773	393	1,3088
21S	300	1200	844	429	1,3088
21S	300	1300	914	465	1,3088
21S	300	1400	984	500	1,3088
21S	300	1500	1054	536	1,3088
21S	300	1600	1125	572	1,3088
21S	300	1700	1195	608	1,3088
21S	300	1800	1265	643	1,3088
21S	300	1900	1336	679	1,3088
21S	300	2000	1406	715	1,3088
21S	300	2100	1476	751	1,3088
21S	300	2200	1547	786	1,3088
21S	300	2300	1617	822	1,3088
21S	300	2400	1687	858	1,3088
21S	300	2500	1757	894	1,3088
21S	300	2600	1828	929	1,3088
21S	300	2700	1898	965	1,3088
21S	300	2800	1968	1001	1,3088
21S	300	2900	2039	1037	1,3088
21S	300	3000	2109	1072	1,3088
21S	500	400	438	223	1,3072
21S	500	500	547	278	1,3072
21S	500	600	656	334	1,3072
21S	500	700	766	390	1,3072
21S	500	800	875	445	1,3072
21S	500	900	985	501	1,3072
21S	500	1000	1094	557	1,3072
21S	500	1100	1203	612	1,3072
21S	500	1200	1313	668	1,3072
21S	500	1300	1422	724	1,3072
21S	500	1400	1532	779	1,3072
21S	500	1500	1641	835	1,3072
21S	500	1600	1750	891	1,3072
21S	500	1700	1860	946	1,3072
21S	500	1800	1969	1002	1,3072
21S	500	1900	2079	1058	1,3072
21S	500	2000	2188	1113	1,3072
21S	500	2100	2297	1169	1,3072

<i>Type</i>	Height (mm)	Length (mm)	Φ_{50} (W)	Φ_{30} (W)	<i>n</i>
21S	500	2200	2407	1225	1,3072
21S	500	2300	2516	1280	1,3072
21S	500	2400	2626	1336	1,3072
21S	500	2500	2735	1392	1,3072
21S	500	2600	2844	1447	1,3072
21S	500	2700	2954	1503	1,3072
21S	500	2800	3063	1559	1,3072
21S	500	2900	3173	1614	1,3072
21S	500	3000	3282	1670	1,3072
21S	600	400	510	256	1,3326
21S	600	500	637	320	1,3326
21S	600	600	764	384	1,3326
21S	600	700	892	448	1,3326
21S	600	800	1019	512	1,3326
21S	600	900	1147	576	1,3326
21S	600	1000	1274	640	1,3326
21S	600	1100	1401	704	1,3326
21S	600	1200	1529	768	1,3326
21S	600	1300	1656	832	1,3326
21S	600	1400	1784	896	1,3326
21S	600	1500	1911	960	1,3326
21S	600	1600	2038	1024	1,3326
21S	600	1700	2166	1088	1,3326
21S	600	1800	2293	1152	1,3326
21S	600	1900	2421	1216	1,3326
21S	600	2000	2548	1280	1,3326
21S	600	2100	2675	1344	1,3326
21S	600	2200	2803	1408	1,3326
21S	600	2300	2930	1472	1,3326
21S	600	2400	3058	1536	1,3326
21S	600	2500	3185	1600	1,3326
21S	600	2600	3312	1663	1,3326
21S	600	2700	3440	1727	1,3326
21S	600	2800	3567	1791	1,3326
21S	600	2900	3695	1855	1,3326
21S	600	3000	3822	1919	1,3326

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