

## 6.4 Technical Data

Panel body material	1.13 mm ( $\pm 0,02$ ) iron sheet metal
Convactor material	0.32 mm ( $\pm 0,04$ ) iron sheet metal
Upper cover (top gril) material	0.50 mm iron sheet metal
Side cover material	0.50 mm iron sheet metal
Thread pitch	100 / 3 ( 33 mm )
Convactor material standard	EN 10130
Maximum operating pressure	8-10 bar
Test condition	13 bar
Maximum operating temperature	120 °C
Paint Specifications	Nano technology coating ( zirconium ) and catophoresis paint, electrostatic powder coating technology.

## 6.5 Product Label



**22 600x1000**  
**Airfel**  
**STD**

54301022601001

$\Phi_{30} = 849$  W (60 / 40 - 20°C)  
 $\Phi_{50} = 1653$  W (75 / 65 - 20°C)  
 $\Phi = 10.0493 \times \Delta T^{1.3044}$  W/m

**Min. 2**

**32.14 Kg**

**Made in Turkey**

698656 008352

CE 17 0626

11:54

A62985T000101

Daikin Isıtma Soğutma Sistemleri San. Tic. A.Ş. DoP: DTAS-PR-PR-2015-001-H TS EN 442-1:2015 / EN 442-1:2014 Çelik Panel Radyatör - Steel Panel Radiator Himmetada satılan sistemlerimizdir. - In heating systems in buildings.	
Ateşe dayanıklılık Fire resistance to fire	A1
Tehlikeli madde içeriği Presence of dangerous substances	Yok None
Yüzey Sıcaklığı Surface temperature	En yüksek 120°C Maximum 120°C
En yüksek çalışma basıncı (MOP) Maximum Operating Pressure (MOP)	1000 kPa
Basınca dayanım Resistance to pressure	1.69 x MOP'da kırılma yoktur No breakage at 1.69 x MOP
Basınç sızdırmazlık dayanımı Pressure tightness	1,3 x MOP'de sızdırma yoktur No leakage at 1,3 x MOP
Dayanıklılık / Durability	100 saatlik neme maruz kaldığında korozyon oluşmaz No corrosion after 100 hours humidity
Korozyona karşı direnç Resistance against corrosion	
Küçük darbelerle karşı dayanım Resistance against minor impact	0 Sınıf Class 0



## 6.6 Heat Capacity

### 6.6.1 Type 10-11-20

WATT	TYPE 10						TYPE 11						TYPE 20					
	300	400	500	600	750	900	300	400	500	600	750	900	300	400	500	600	750	900
400	129	166	202	237	291	345	190	241	292	343	420	499	227	282	336	390	470	552
500	161	207	252	297	364	431	238	302	365	429	525	624	284	353	420	487	588	691
600	193	248	302	356	436	517	285	362	438	514	630	749	341	424	504	584	705	829
700	225	290	353	415	509	603	333	422	511	600	735	874	398	494	588	682	823	967
800	258	331	403	474	582	690	380	482	584	686	840	998	454	565	672	779	940	1.105
900	290	373	454	534	654	776	428	543	657	771	945	1.123	511	635	756	877	1.058	1.243
1000	322	414	504	593	727	862	475	603	730	857	1.050	1.248	568	706	840	974	1.175	1.381
1100	354	455	554	652	800	948	523	663	803	943	1.155	1.373	625	777	924	1.071	1.293	1.519
1200	386	497	605	712	872	1.034	570	724	876	1.028	1.260	1.498	682	847	1.008	1.169	1.410	1.657
1300	419	538	655	771	945	1.121	618	784	949	1.114	1.365	1.622	738	918	1.092	1.266	1.528	1.795
1400	451	580	706	830	1.018	1.207	665	844	1.022	1.200	1.470	1.747	795	988	1.176	1.364	1.645	1.933
1500	483	621	756	890	1.091	1.293	713	905	1.095	1.286	1.575	1.872	852	1.059	1.260	1.461	1.763	2.072
1600	515	662	806	949	1.163	1.379	760	965	1.168	1.371	1.680	1.997	909	1.130	1.344	1.558	1.880	2.210
1700	547	704	857	1.008	1.236	1.465	808	1.025	1.241	1.457	1.785	2.122	966	1.200	1.428	1.656	1.998	2.348
1800	580	745	907	1.067	1.309	1.552	855	1.085	1.314	1.543	1.890	2.246	1.022	1.271	1.512	1.753	2.115	2.486
1900	612	787	958	1.127	1.381	1.638	903	1.146	1.387	1.628	1.995	2.371	1.079	1.341	1.596	1.851	2.233	2.624
2000	644	828	1.008	1.186	1.454	1.724	950	1.206	1.460	1.714	2.100	2.496	1.136	1.412	1.680	1.948	2.350	2.762
2100	676	869	1.058	1.245	1.527	1.810	998	1.266	1.533	1.800	2.205	2.621	1.193	1.483	1.764	2.045	2.468	2.900
2200	708	911	1.109	1.305	1.599	1.896	1.045	1.327	1.606	1.885	2.310	2.746	1.250	1.553	1.848	2.143	2.585	3.038
2300	741	952	1.159	1.364	1.672	1.983	1.093	1.387	1.679	1.971	2.415	2.870	1.306	1.624	1.932	2.240	2.703	3.176
2400	773	994	1.210	1.423	1.745	2.069	1.140	1.447	1.752	2.057	2.520	2.995	1.363	1.694	2.016	2.338	2.820	3.314
2500	805	1.035	1.260	1.483	1.818	2.155	1.188	1.508	1.825	2.143	2.625	3.120	1.420	1.765	2.100	2.435	2.938	3.453
2600	837	1.076	1.310	1.542	1.890	2.241	1.235	1.568	1.898	2.228	2.730	3.245	1.477	1.836	2.184	2.532	3.055	3.591
2700	869	1.118	1.361	1.601	1.963	2.327	1.283	1.628	1.971	2.314	2.835	3.370	1.534	1.906	2.268	2.630	3.173	3.729
2800	902	1.159	1.411	1.660	2.036	2.414	1.330	1.688	2.044	2.400	2.940	3.494	1.590	1.977	2.352	2.727	3.290	3.867
2900	934	1.201	1.462	1.720	2.108	2.500	1.378	1.749	2.117	2.485	3.045	3.619	1.647	2.047	2.436	2.825	3.408	4.005
3000	966	1.242	1.512	1.779	2.181	2.586	1.425	1.809	2.190	2.571	3.150	3.744	1.704	2.118	2.520	2.922	3.525	4.143

Water Inlet Temp : 75°C  
 Water Outlet Temp : 65°C  
 Room Temp : 20°C

BTU/h	TYPE 10						TYPE 11						TYPE 20					
	300	400	500	600	750	900	300	400	500	600	750	900	300	400	500	600	750	900
400	439	565	688	809	992	1.176	648	823	996	1.170	1.433	1.703	775	964	1.146	1.329	1.604	1.885
500	549	706	860	1.012	1.240	1.471	810	1.029	1.245	1.462	1.791	2.129	969	1.204	1.433	1.662	2.005	2.356
600	659	848	1.032	1.214	1.488	1.765	972	1.234	1.494	1.754	2.150	2.555	1.163	1.445	1.720	1.994	2.405	2.827
700	769	989	1.204	1.416	1.736	2.059	1.134	1.440	1.744	2.047	2.508	2.981	1.357	1.686	2.006	2.326	2.806	3.298
800	879	1.130	1.376	1.619	1.984	2.353	1.297	1.646	1.993	2.339	2.866	3.407	1.550	1.927	2.293	2.659	3.207	3.770
900	989	1.271	1.548	1.821	2.232	2.647	1.459	1.852	2.242	2.632	3.224	3.832	1.744	2.168	2.579	2.991	3.608	4.241
1000	1.099	1.413	1.720	2.023	2.481	2.941	1.621	2.057	2.491	2.924	3.583	4.258	1.938	2.409	2.866	3.323	4.009	4.712
1100	1.209	1.554	1.892	2.226	2.729	3.235	1.783	2.263	2.740	3.216	3.941	4.684	2.132	2.650	3.153	3.656	4.410	5.183
1200	1.318	1.695	2.064	2.428	2.977	3.529	1.945	2.469	2.989	3.509	4.299	5.110	2.326	2.891	3.439	3.988	4.811	5.654
1300	1.428	1.836	2.236	2.630	3.225	3.823	2.107	2.675	3.238	3.801	4.657	5.536	2.519	3.132	3.726	4.320	5.212	6.126
1400	1.538	1.978	2.408	2.833	3.473	4.118	2.269	2.880	3.487	4.094	5.016	5.961	2.713	3.372	4.013	4.653	5.613	6.597
1500	1.648	2.119	2.579	3.035	3.721	4.412	2.431	3.086	3.736	4.386	5.374	6.387	2.907	3.613	4.299	4.985	6.014	7.068
1600	1.758	2.260	2.751	3.237	3.969	4.706	2.593	3.292	3.985	4.679	5.732	6.813	3.101	3.854	4.586	5.317	6.415	7.539
1700	1.868	2.401	2.923	3.440	4.217	5.000	2.755	3.498	4.234	4.971	6.090	7.239	3.295	4.095	4.872	5.650	6.815	8.010
1800	1.978	2.543	3.095	3.642	4.465	5.294	2.917	3.703	4.483	5.263	6.449	7.665	3.488	4.336	5.159	5.982	7.216	8.482
1900	2.087	2.684	3.267	3.844	4.713	5.588	3.079	3.909	4.732	5.556	6.807	8.091	3.682	4.577	5.446	6.314	7.617	8.953
2000	2.197	2.825	3.439	4.047	4.961	5.882	3.241	4.115	4.982	5.848	7.165	8.516	3.876	4.818	5.732	6.647	8.018	9.424
2100	2.307	2.966	3.611	4.249	5.209	6.176	3.403	4.321	5.231	6.141	7.523	8.942	4.070	5.059	6.019	6.979	8.419	9.895
2200	2.417	3.108	3.783	4.451	5.457	6.471	3.566	4.526	5.480	6.433	7.882	9.368	4.264	5.300	6.305	7.311	8.820	10.366
2300	2.527	3.249	3.955	4.654	5.705	6.765	3.728	4.732	5.729	6.725	8.240	9.794	4.457	5.540	6.592	7.644	9.221	10.838
2400	2.637	3.390	4.127	4.856	5.953	7.059	3.890	4.938	5.978	7.018	8.598	10.220	4.651	5.781	6.879	7.976	9.622	11.309
2500	2.747	3.531	4.299	5.058	6.201	7.353	4.052	5.144	6.227	7.310	8.957	10.645	4.845	6.022	7.165	8.308	10.023	11.780
2600	2.857	3.673	4.471	5.261	6.449	7.647	4.214	5.349	6.476	7.603	9.315	11.071	5.039	6.263	7.452	8.641	10.424	12.251
2700	2.966	3.814	4.643	5.463	6.697	7.941	4.376	5.555	6.725	7.895	9.673	11.497	5.233	6.504	7.738	8.973	10.825	12.722
2800	3.076	3.955	4.815	5.665	6.945	8.235	4.538	5.761	6.974	8.187	10.031	11.923	5.426	6.745	8.025	9.305	11.225	13.194
2900	3.186	4.096	4.987	5.868	7.194	8.529	4.700	5.967	7.223	8.480	10.390	12.349	5.620	6.986	8.312	9.638	11.626	13.665
3000	3.296	4.238	5.159	6.070	7.442	8.823	4.862	6.172	7.472	8.772	10.748	12.775	5.814	7.227	8.598	9.970	12.027	14.136

Water Inlet Temp : 167°F  
 Water Outlet Temp : 149°F  
 Room Temp : 68°F



## 6.6.2 Type 21-22-33

WATT		TYPE 21						TYPE 22						TYPE 23					
High	Lenght	300	400	500	600	750	900	300	400	500	600	750	900	300	400	500	600	750	900
		400	295	368	437	504	601	695	376	476	571	661	789	909	532	660	784	904	1.084
500	369	460	547	630	751	869	470	596	714	827	987	1.137	666	825	980	1.131	1.355	1.579	
600	442	552	656	756	901	1.042	563	715	857	992	1.184	1.364	799	990	1.175	1.357	1.626	1.895	
700	516	644	765	882	1.051	1.216	657	834	1.000	1.157	1.381	1.591	932	1.155	1.371	1.583	1.897	2.211	
800	590	736	874	1.008	1.202	1.390	751	953	1.142	1.322	1.578	1.818	1.065	1.320	1.567	1.809	2.168	2.526	
900	663	828	984	1.134	1.352	1.563	845	1.072	1.285	1.488	1.776	2.046	1.198	1.485	1.763	2.035	2.439	2.842	
1000	737	920	1.093	1.260	1.502	1.737	939	1.191	1.428	1.653	1.973	2.273	1.331	1.650	1.959	2.261	2.710	3.158	
1100	811	1.012	1.202	1.386	1.652	1.911	1.033	1.310	1.571	1.818	2.170	2.500	1.464	1.815	2.155	2.487	2.981	3.474	
1200	884	1.104	1.312	1.512	1.802	2.084	1.127	1.429	1.714	1.984	2.368	2.728	1.597	1.980	2.351	2.713	3.252	3.790	
1300	958	1.196	1.421	1.638	1.953	2.258	1.221	1.548	1.856	2.149	2.565	2.955	1.730	2.145	2.547	2.939	3.523	4.105	
1400	1.032	1.288	1.530	1.764	2.103	2.432	1.315	1.667	1.999	2.314	2.762	3.182	1.863	2.310	2.743	3.165	3.794	4.421	
1500	1.106	1.380	1.640	1.890	2.253	2.606	1.409	1.787	2.142	2.480	2.960	3.410	1.997	2.475	2.939	3.392	4.065	4.737	
1600	1.179	1.472	1.749	2.016	2.403	2.779	1.502	1.906	2.285	2.645	3.157	3.637	2.130	2.640	3.134	3.618	4.336	5.053	
1700	1.253	1.564	1.858	2.142	2.553	2.953	1.596	2.025	2.428	2.810	3.354	3.864	2.263	2.805	3.330	3.844	4.607	5.369	
1800	1.327	1.656	1.967	2.268	2.704	3.127	1.690	2.144	2.570	2.975	3.551	4.091	2.396	2.970	3.526	4.070	4.878	5.684	
1900	1.400	1.748	2.077	2.394	2.854	3.300	1.784	2.263	2.713	3.141	3.749	4.319	2.529	3.135	3.722	4.296	5.149	6.000	
2000	1.474	1.840	2.186	2.520	3.004	3.474	1.878	2.382	2.856	3.306	3.946	4.546	2.662	3.300	3.918	4.522	5.420	6.316	
2100	1.548	1.932	2.295	2.646	3.154	3.648	1.972	2.501	2.999	3.471	4.143	4.773	2.795	3.465	4.114	4.748	5.691	6.632	
2200	1.621	2.024	2.405	2.772	3.304	3.821	2.066	2.620	3.142	3.637	4.341	5.001	2.928	3.630	4.310	4.974	5.962	6.948	
2300	1.695	2.116	2.514	2.898	3.455	3.995	2.160	2.739	3.284	3.802	4.538	5.228	3.061	3.795	4.506	5.200	6.233	7.263	
2400	1.769	2.208	2.623	3.024	3.605	4.169	2.254	2.858	3.427	3.967	4.735	5.455	3.194	3.960	4.702	5.426	6.504	7.579	
2500	1.843	2.300	2.733	3.150	3.755	4.343	2.348	2.978	3.570	4.133	4.933	5.683	3.328	4.125	4.898	5.653	6.775	7.895	
2600	1.916	2.392	2.842	3.276	3.905	4.516	2.441	3.097	3.713	4.298	5.130	5.910	3.461	4.290	5.093	5.879	7.046	8.211	
2700	1.990	2.484	2.951	3.402	4.055	4.690	2.535	3.216	3.856	4.463	5.327	6.137	3.594	4.455	5.289	6.105	7.317	8.527	
2800	2.064	2.576	3.060	3.528	4.206	4.864	2.629	3.335	3.998	4.628	5.524	6.364	3.727	4.620	5.485	6.331	7.588	8.842	
2900	2.137	2.668	3.170	3.654	4.356	5.037	2.723	3.454	4.141	4.794	5.722	6.592	3.860	4.785	5.681	6.557	7.859	9.158	
3000	2.211	2.760	3.279	3.780	4.506	5.211	2.817	3.573	4.284	4.959	5.919	6.819	3.993	4.950	5.877	6.783	8.130	9.474	

Water Inlet Temp : 75°C  
 Water Outlet Temp : 65°C  
 Room Temp : 20°C

BTU/h		TYPE 21						TYPE 22						TYPE 23					
High	Lenght	300	400	500	600	750	900	300	400	500	600	750	900	300	400	500	600	750	900
		400	1.006	1.256	1.492	1.720	2.050	2.371	1.282	1.625	1.949	2.256	2.693	3.102	1.817	2.252	2.674	3.086	3.699
500	1.257	1.570	1.865	2.150	2.562	2.963	1.602	2.032	2.436	2.820	3.366	3.878	2.271	2.815	3.342	3.857	4.623	5.388	
600	1.509	1.883	2.238	2.579	3.075	3.556	1.922	2.438	2.923	3.384	4.039	4.653	2.725	3.378	4.010	4.629	5.548	6.465	
700	1.760	2.197	2.611	3.009	3.587	4.149	2.243	2.845	3.411	3.948	4.712	5.429	3.179	3.941	4.679	5.400	6.473	7.543	
800	2.012	2.511	2.983	3.439	4.100	4.741	2.563	3.251	3.898	4.512	5.386	6.204	3.633	4.504	5.347	6.172	7.397	8.620	
900	2.263	2.825	3.356	3.869	4.612	5.334	2.883	3.657	4.385	5.076	6.059	6.980	4.087	5.067	6.016	6.943	8.322	9.698	
1000	2.515	3.139	3.729	4.299	5.125	5.927	3.204	4.064	4.872	5.640	6.732	7.755	4.541	5.630	6.684	7.715	9.247	10.775	
1100	2.766	3.453	4.102	4.729	5.637	6.519	3.524	4.470	5.360	6.204	7.405	8.531	4.996	6.193	7.353	8.486	10.171	11.853	
1200	3.018	3.767	4.475	5.159	6.150	7.112	3.845	4.876	5.847	6.768	8.078	9.307	5.450	6.756	8.021	9.257	11.096	12.930	
1300	3.269	4.081	4.848	5.589	6.662	7.705	4.165	5.283	6.334	7.332	8.751	10.082	5.904	7.319	8.689	10.029	12.020	14.008	
1400	3.521	4.395	5.221	6.019	7.175	8.297	4.485	5.689	6.821	7.896	9.425	10.858	6.358	7.882	9.358	10.800	12.945	15.085	
1500	3.772	4.709	5.594	6.449	7.687	8.890	4.806	6.096	7.309	8.460	10.098	11.633	6.812	8.445	10.026	11.572	13.870	16.163	
1600	4.023	5.022	5.967	6.879	8.200	9.483	5.126	6.502	7.796	9.024	10.771	12.409	7.266	9.008	10.695	12.343	14.794	17.240	
1700	4.275	5.336	6.340	7.309	8.712	10.075	5.447	6.908	8.283	9.588	11.444	13.184	7.720	9.571	11.363	13.115	15.719	18.318	
1800	4.526	5.650	6.713	7.738	9.225	10.668	5.767	7.315	8.770	10.152	12.117	13.960	8.174	10.134	12.031	13.886	16.644	19.395	
1900	4.778	5.964	7.086	8.168	9.737	11.261	6.087	7.721	9.257	10.716	12.791	14.735	8.629	10.697	12.700	14.658	17.568	20.473	
2000	5.029	6.278	7.459	8.598	10.250	11.853	6.408	8.127	9.745	11.280	13.464	15.511	9.083	11.260	13.368	15.429	18.493	21.550	
2100	5.281	6.592	7.832	9.028	10.762	12.446	6.728	8.534	10.232	11.844	14.137	16.286	9.537	11.823	14.037	16.201	19.418	22.628	
2200	5.532	6.906	8.204	9.458	11.275	13.039	7.049	8.940	10.719	12.408	14.810	17.062	9.991	12.386	14.705	16.972	20.342	23.705	
2300	5.784	7.220	8.577	9.888	11.787	13.631	7.369	9.346	11.206	12.972	15.483	17.838	10.445	12.949	15.373	17.743	21.267	24.783	
2400	6.035	7.534	8.950	10.318	12.300	14.224	7.689	9.753	11.694	13.536	16.157	18.613	10.899	13.512	16.042	18.515	22.192	25.860	
2500	6.287	7.848	9.323	10.748	12.812	14.817	8.010	10.159	12.181	14.100	16.830	19.389	11.353	14.075	16.710	19.286	23.116	26.938	
2600	6.538	8.162	9.696	11.178	13.325	15.409	8.330	10.566	12.668	14.664	17.503	20.164	11.808	14.637	17.379	20.058	24.041	28.015	
2700	6.790	8.475	10.069	11.608	13.837	16.002	8.650	10.972	13.155	15.228	18.176	20.940	12.262	15.200	18.047	20.829	24.966	29.093	
2800	7.041	8.789	10.442	12.038	14.350	16.595	8.971	11.378	13.643	15.792	18.849	21.715	12.716	15.763	18.716	21.601	25.890	30.170	
2900	7.292	9.103	10.815	12.467	14.862	17.187	9.291	11.785	14.130	16.356	19.522	22.491	13.170	16.326	19.384	22.372	26.815	31.248	
3000	7.544	9.417	11.188	12.897	15.374	17.780	9.612	12.191	14.617	16.920	20.196	23.266	13.624	16.889	20.052	23.144	27.740	32.325	

Water Inlet Temp : 167°F  
 Water Outlet Temp : 149°F  
 Room Temp : 68°F