



CONSTRUCTION PRODUCTS REGULATION
DECLARATION OF PERFORMANCE (Reg. No:305/2011/EU)
Issue Date: 01.08.2013 Document No: F-KGSF-029 Rev. No: 01 Rev Date:05.12.2013

Description:	Panel Radiators
Model:	Type 30 (PPP) - Hygienic radiators
Intended Use:	Radiators for use in heating systems in buildings
Manufacturer:	ELBA Basınçlı Döküm AŞ. Manisa Organize Sanayi Bölgesi 50.Yıl Caddesi No:14 Manisa
Trade Mark	ECCORAD - PREMIUM
System of Assessment & Verification of Constancy of Performance:	System 3: All products in different ELBA production site, produced according to the same technical specifications use the same production methods and materials, fulfil the same requirement of quality
Notified Bodies:	Centre Technique des Industries Aérouniques et Thermiques (CETIAT) - France Notified body number: 1623 (report no : 2007-165) Turkish Standards Institution (TSE) Notified Body 1783

Essential Characteristics	Performance	Harmonized technical specification																																																														
Reaction to Fire	Class A1	EN 442-1 : 2014																																																														
Release of dangerous substances	None																																																															
Surface temperature	Maximum 120 °C																																																															
Resistance to pressure	Leak Test : 1300 kPa Strength Pressure Test: 1690 kPa Declared Max. Working Pressure: 1000 kPa																																																															
Resistance against corrosion:	No corrosion after 100 h humidity																																																															
Resistance against minor impact:	Class 0																																																															
Thermal Output Test	Thermal Output Characteristic Equations (L = length in metres)																																																															
Heights	<table border="1"><thead><tr><th rowspan="2">Heights</th><th colspan="2">ΔT 50° C</th><th colspan="2">ΔT 60° C</th><th rowspan="2">n</th><th rowspan="2">K_M</th><th rowspan="2">Φ</th></tr><tr><th>Watt/m</th><th>Kcal/hm</th><th>Watt/m</th><th>Kcal/hm</th></tr></thead><tbody><tr><td>300</td><td>864</td><td>743</td><td>1097</td><td>944</td><td>1,3103</td><td>5,132788</td><td rowspan="8">$\Phi = K_m \cdot \Delta T^n$</td></tr><tr><td>400</td><td>1077</td><td>926</td><td>1368</td><td>1176</td><td>1,3118</td><td>6,360728</td></tr><tr><td>500</td><td>1281</td><td>1102</td><td>1628</td><td>1400</td><td>1,3133</td><td>7,521281</td></tr><tr><td>600</td><td>1479</td><td>1272</td><td>1880</td><td>1617</td><td>1,3148</td><td>8,633063</td></tr><tr><td>700</td><td>1671</td><td>1437</td><td>2124</td><td>1827</td><td>1,3162</td><td>9,700456</td></tr><tr><td>800</td><td>1857</td><td>1597</td><td>2361</td><td>2031</td><td>1,3177</td><td>10,717150</td></tr><tr><td>900</td><td>2040</td><td>1754</td><td>2595</td><td>2231</td><td>1,3192</td><td>11,704390</td></tr></tbody></table>	Heights	ΔT 50° C		ΔT 60° C		n	K _M	Φ	Watt/m	Kcal/hm	Watt/m	Kcal/hm	300	864	743	1097	944	1,3103	5,132788	$\Phi = K_m \cdot \Delta T^n$	400	1077	926	1368	1176	1,3118	6,360728	500	1281	1102	1628	1400	1,3133	7,521281	600	1479	1272	1880	1617	1,3148	8,633063	700	1671	1437	2124	1827	1,3162	9,700456	800	1857	1597	2361	2031	1,3177	10,717150	900	2040	1754	2595	2231	1,3192	11,704390	
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Date: 4.6.2020

Signed for and on behalf of the manufacturer by;

ELBA BASINÇLI DÖKÜM SANAYİ A.Ş.