

	Declaration of Performance no.A0023	MOD.CL.DDP – Rev. 00
	AS PER ARTS. 4, 6, 7 AND ANNEX III TO REG. (UE) 9-3-2011, No. 305/2011	Date 13/12/2021
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1. Univocal product-type identification code: **80 LEGGERO (500÷2100)**
2. Type, lot, series no. or any other element that enables the construction product to be identified pursuant to article 11, paragraph 4: **80 LEGGERO**
3. Intended use(s) of the construction product according to the relative harmonised technical specification, as stated by the manufacturer: **Heat emitting radiators designed for permanent installation in heating systems of residential buildings, fed from a remote source with hot water or steam at a temperature < 120 °C. (EN 442-1 December 2014, EN 442-2 December 2014)**
4. Name, registered trade name or registered trademark and address of the manufacturer pursuant to article 11, paragraph 5: **RIDEA S.r.l. – Via E. Ferrari, 1 – 62017 – Porto Recanati (MC) - ITALIA**
sede legale: Via Francesca 54/A - 24040 - Ciserano (BG) - ITALIA
5. If applicable, name and address of mandatary whose mandate includes the assignments as per article 12, paragraph 2 **N.A.**
6. System(s) for the assessment and verification of constancy of performance of the construction product, as per annex V: **system 1.**
7. In a declaration of performance concerning a construction product that comes under the scope of a harmonised standard:

Notified Testing Laboratory: Politecnico di Milano – Energy Department (Notified body number: 1695)
(name and identification number of notified body, if applicable)
has performed **type tests (standard UNI EN 442-1)** according to system 1.
(description of third party assignments as per annex V)
and has issued:

 - **Determination of the thermal output of a heating body (Test report ENE/MRT.RES.19027) Pressure tightness tests (Test report ENE/MRT.RES.19027)**
(constancy of performance certificate, plant production control conformity certificate, test/design reports – as applicable)

Notified Testing Laboratory: AQM S.r.l. (LAB N° 0095)
(name and identification number of organisation notified, if applicable)
has performed **type tests (standard UNI EN 442-1)** according to system 1.
(description of third party assignments as per annex V)
and has issued:

 - **Adherence test and Corrosion test in salt mist. (Test report)**
(constancy of performance certificate, plant production control conformity certificate, test/design reports – as applicable)

Basic properties (see note 1)	Performance (see note 2)	Harmonised technical spec. (see note 3)
Reaction to fire	A1	Tests on organic part of any paint or surface treatment substance to verify whether it is <1 % by mass. (Clause 5.2, standard EN 442-1:2014)
Release of hazardous substances	None	Clause 5.3, standard EN 442-1:2014
Surface temperature	120° C maximum and corresponding to water supply temperature	EN 442-1:2014
Maximum operating pressure	6 bar	EN 442-1:2014
Pressure tightness (leak test)	7,8 bar	Clause 5.4, standard EN 442-1:2014
Pressure tightness (resistance test)	10,10 bar	Clause 5.6, standard EN 442-1:2014
Rated thermal output ΔT 50 K	See Table 1	Clause 5.8, standard EN 442-1:2014
Rated thermal output ΔT 30 K	See Table 1	Clause 5.8, standard EN 442-1:2014
Thermal power in different operating conditions (Characteristic equation)	$\Phi = K_m \times \Delta T^n$	Clause 5.8, standard EN 442-1:2014
Coefficient K_m	See Table 1	Clause 5.8, standard EN 442-1:2014
Coefficient n	See Table 1	Clause 5.8, standard EN 442-1:2014
Durability (impact resistance lightweight)	Level 0	Clause 5.9, standard EN 442-1:2014
Durability (corrosion test)	No corrosions after 100 h in salt mist	Clause 5.9, standard EN 442-1:2014

If a specific technical document has been used, pursuant to art. 37 or art. 38, the requirements met by the product:

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10. The performance of the product as per §§ 1 & 2 above conforms to the performance declared as per § 9.

TABLE 1 (tecnica data)

Modell	Rated thermal output ΔT 50 K	Rated thermal output ΔT 30 K	Coefficient K_m	Coefficient n
80 leggero 500	92,8 Watt/elemento	48,0 Watt/elemento	0,59769	1,28973
80 leggero 560	100,9 Watt/elemento	52,1 Watt/elemento	0,64220	1,29260
80 leggero 600	106,1 Watt/elemento	54,8 Watt/elemento	0,67064	1,29452
80 leggero 660	113,9 Watt/elemento	58,7 Watt/elemento	0,71145	1,29739
80 leggero 700	118,9 Watt/elemento	61,2 Watt/elemento	0,73760	1,29930
80 leggero 760	126,4 Watt/elemento	65,0 Watt/elemento	0,77530	1,30217
80 leggero 800	131,4 Watt/elemento	67,5 Watt/elemento	0,79950	1,30409
80 leggero 860	138,6 Watt/elemento	71,1 Watt/elemento	0,83445	1,30696
80 leggero 900	143,4 Watt/elemento	73,5 Watt/elemento	0,85692	1,30887
80 leggero 960	150,6 Watt/elemento	77,0 Watt/elemento	0,88944	1,31175
80 leggero 1000	155,3 Watt/elemento	79,4 Watt/elemento	0,91043	1,31366
80 leggero 1060	162,3 Watt/elemento	82,9 Watt/elemento	0,94509	1,31538
80 leggero 1100	166,9 Watt/elemento	85,2 Watt/elemento	0,96763	1,31653
80 leggero 1160	173,8 Watt/elemento	88,6 Watt/elemento	1,00077	1,31825
80 leggero 1200	178,3 Watt/elemento	90,9 Watt/elemento	1,02236	1,31940
80 leggero 1260	185,1 Watt/elemento	94,3 Watt/elemento	1,05411	1,32112
80 leggero 1300	189,6 Watt/elemento	96,5 Watt/elemento	1,07493	1,32226
80 leggero 1360	196,3 Watt/elemento	99,8 Watt/elemento	1,10545	1,32398
80 leggero 1400	200,8 Watt/elemento	102,0 Watt/elemento	1,12538	1,32513
80 leggero 1460	207,4 Watt/elemento	105,3 Watt/elemento	1,15475	1,32685
80 leggero 1500	211,8 Watt/elemento	107,5 Watt/elemento	1,17396	1,32800
80 leggero 1560	218,3 Watt/elemento	110,8 Watt/elemento	1,21094	1,32787
80 leggero 1600	222,7 Watt/elemento	113,0 Watt/elemento	1,23555	1,32778
80 leggero 1660	229,2 Watt/elemento	116,3 Watt/elemento	1,27232	1,32765

80 leggero 1700	233,5 Watt/elemento	118,5 Watt/elemento	1,29681	1,32756
80 leggero 1760	240,0 Watt/elemento	121,8 Watt/elemento	1,33347	1,32742
80 leggero 1800	244,3 Watt/elemento	124,0 Watt/elemento	1,35778	1,32734
80 leggero 1860	250,7 Watt/elemento	127,3 Watt/elemento	1,39428	1,32720
80 leggero 1900	255,0 Watt/elemento	129,5 Watt/elemento	1,41853	1,32711
80 leggero 1960	261,4 Watt/elemento	132,7 Watt/elemento	1,45481	1,32698
80 leggero 2000	265,7 Watt/elemento	134,9 Watt/elemento	1,47904	1,32689
80 leggero 2060	272,0 Watt/elemento	138,1 Watt/elemento	1,51522	1,32676
80 leggero 2100	276,3 Watt/elemento	140,3 Watt/elemento	1,53938	1,32667

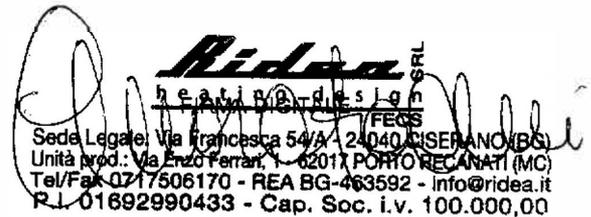
This declaration of performance is released under the sole responsibility of the manufacturer as per § 4 above.

Signed in the name and on behalf of:

CHIARA FOGLIENI
Legale Rappresentante

Porto Recanati (MC – Italy)

13/12/2021



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