

	Declaration of Performance no.A0014 AS PER ARTS. 4, 6, 7 AND ANNEX III TO REG. (UE) 9-3-2011, No. 305/2011	MOD.CL.DDP – Rev. 00	
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- 2.
1. Univocal product-type identification code: **120 LEGGERO (500÷2000)**
 3. Type, lot, series no. or any other element that enables the construction product to be identified pursuant to article 11, paragraph 4: **120 LEGGERO**
 4. 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)**
 5. Name, registered trade name or registered trademark and address of the manufacturer pursuant to article 11, paragraph 5: **Al-Tech S.r.l. – Via E. Ferrari, 1 – 62017 – Porto Recanati (MC) - ITALIA**
 6. If applicable, name and address of mandatary whose mandate includes the assignments as per article 12, paragraph 2: **N.A.**
 7. System(s) for the assessment and verification of constancy of performance of the construction product, as per annex V: **system 1.**
 8. 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-15050 del 10/12/15 – ENE/MRT.RAP.15347-ENE/MRT.RAP.15348-ENE/MRT.RAP.15140-ENE/MRT.RAP.15350)**
 - **Pressure tightness tests (Test report ENE/MRT.RAP.15347/P-ENE/MRT.RAP.15348/P-ENE/MRT.RAP.15140/P-ENE/MRT.RAP.15350/P)**

(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 2019-0533/PC2 del 27/02/19)**
(constancy of performance certificate, plant production control conformity certificate, test/design reports – as applicable)

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9. In a declaration of performance concerning a construction product for which a European technical assessment has been released:

N.A.

(name and identification number of technical assessment body, if applicable)

has released

.....
(reference number of European technical assessment)

based on

.....
(reference number of European assessment document)

performed according to system
(description of third party assignments as per annex V)

and has issued

.....
(constancy of performance certificate, plant production control conformity certificate, test/design reports – as applicable)

10. Performance declared

Notes to table:

1. Column 1 contains the list of the basic properties as defined in the harmonised technical specifications for the use(s) specified in § 3 above;
2. For each property listed in column 1 and conforming to the requirements as per article 6, this column gives the performance declared, expressed in terms of level, class, or through a description, in relation to the corresponding basic properties. If no performance has been declared, the column shows "NPD" (No Performance Determined);
3. For each basic property listed in column 1, column 3 gives:
 - a. A reference, with relative date, to the corresponding harmonised standard, and, if applicable, the reference number of the specific technical documentation, or that of the appropriate technical documentation used;
 - or
 - b. A reference, with relative date, to the corresponding European assessment document, if available, and the reference number of the European technical assessment used;

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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:

.....

.....

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

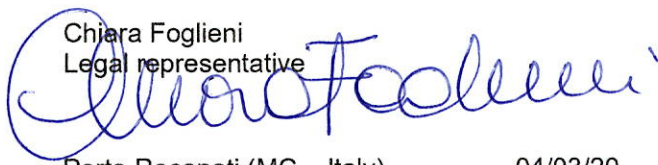
TABLE 1 (tecnica data)

Modell	Rated thermal output ΔT 50 K	Rated thermal output ΔT 30 K	Coefficient Km	Coefficient n
120 LEGGERO 500	114,2 Watt/elemento	58,5 Watt/elemento	0,68108	1,30935
120 LEGGERO 600	131,1 Watt/elemento	67,1 Watt/elemento	0,77508	1,31157
120 LEGGERO 700	147,6 Watt/elemento	75,4 Watt/elemento	0,86470	1,31380
120 LEGGERO 770	158,9 Watt/elemento	81,1 Watt/elemento	0,92527	1,31535
120 LEGGERO 800	163,7 Watt/elemento	83,6 Watt/elemento	0,95074	1,31602
120 LEGGERO 870	174,8 Watt/elemento	89,2 Watt/elemento	1,00911	1,31758
120 LEGGERO 900	179,5 Watt/elemento	91,5 Watt/elemento	1,03372	1,31825
120 LEGGERO 1000	195,2 Watt/elemento	99,4 Watt/elemento	1,11417	1,32047
120 LEGGERO 1100	210,7 Watt/elemento	107,3 Watt/elemento	1,19988	1,32110
120 LEGGERO 1200	226,1 Watt/elemento	115,1 Watt/elemento	1,28454	1,32173
120 LEGGERO 1270	236,9 Watt/elemento	120,6 Watt/elemento	1,34342	1,32216
120 LEGGERO 1300	241,5 Watt/elemento	122,9 Watt/elemento	1,36850	1,32235
120 LEGGERO 1400	256,8 Watt/elemento	130,7 Watt/elemento	1,45181	1,32298
120 LEGGERO 1500	272,1 Watt/elemento	138,4 Watt/elemento	1,53464	1,32361
120 LEGGERO 1570	282,9 Watt/elemento	143,8 Watt/elemento	1,59241	1,32405
120 LEGGERO 1600	287,5 Watt/elemento	146,2 Watt/elemento	1,61712	1,32424

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
Legal representative



Porto Recanati (MC – Italy)

04/03/20

FIRMA DIGITALE