

## DECLARATION OF PERFORMANCE

ACCORDING TO REGULATION (EU) No 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

### 1. Unique identification code of the product-type

Steel panel radiators EN 442-2

|                                     |                                   |                                          |
|-------------------------------------|-----------------------------------|------------------------------------------|
| Steel panel radiators TİP 10 P      | Height 300, 400, 500, 600, 900 mm | Length 300 – 3000 mm ( 100 mm distances) |
| Steel panel radiators TİP 11 PK     | Height 300, 400, 500, 600, 900 mm | Length 300 – 3000 mm ( 100 mm distances) |
| Steel panel radiators TİP 21 PKP    | Height 300, 400, 500, 600, 900 mm | Length 300 – 3000 mm (100 mm distances)  |
| Steel panel radiators TİP 22 PKKP   | Height 300, 400, 500, 600, 900 mm | Length 300 – 3000 mm (100 mm distances)  |
| Steel panel radiators TİP 33 PKPKKP | Height 300, 400, 500, 600, 900 mm | Length 300 – 3000 mm (100 mm distances)  |

### 2. Type, batch or serial number or any other element allowing identification of the construction product

The codes that identify the product are defined by the barcode system in the product packaging. (see package of the product )

### 3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer

Steel panel radiators and convectors are used to heat the buildings by feeding with hot water from the heat source.

### 4. Name, registered trade name or registered trade mark and contact address of the manufacturer

HEATMAX  
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### 5. Where applicable, name and contact address of the authorised representative

N.A.

### 6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex 5

System 3

### 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard

TS EN 442-1

### 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued

N.A.

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Hasan Şahin V.D 920 000 4175  
Ticaret Sicil No: Mersis: 252

## 9. Declared performance

| Essential characteristics       | Performance                                      | Harmonized Technical Specification |
|---------------------------------|--------------------------------------------------|------------------------------------|
| Reaction to fire                | A1                                               | EN 442-1                           |
| Release of dangerous substances | No                                               | EN 442-1                           |
| Maximum Operating Pressure      | 10 bar                                           | EN 442-1                           |
| Rated thermal outputs           | See Table 1                                      | EN 442-1                           |
| Characteristic curve            | See Table 1<br>( $\Phi = K_M \cdot \Delta T^n$ ) | EN 442-1                           |

Table 1

| TYPE    | HEIGHT                                  |                                  |                                   |                                   |                                   |                                   |
|---------|-----------------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|         |                                         | 300                              | 400                               | 500                               | 600                               | 900                               |
| TYPE 10 | Rated thermal outputs<br>(Watt / 1m)    | 342                              | 459                               | 571                               | 677                               | 949                               |
|         | Characteristic curve<br>( $\Phi_{50}$ ) | $1,8667 \cdot \Delta T^{1,3319}$ | $2,5913 \cdot \Delta T^{1,3232}$  | $3,3409 \cdot \Delta T^{1,3144}$  | $4,0981 \cdot \Delta T^{1,3054}$  | $5,8894 \cdot \Delta T^{1,2992}$  |
| TYPE 11 | Rated thermal outputs<br>(Watt / 1m)    | 594                              | 731                               | 862                               | 988                               | 1.353                             |
|         | Characteristic curve<br>( $\Phi_{50}$ ) | $3,8523 \cdot \Delta T^{1,2880}$ | $4,5913 \cdot \Delta T^{1,2962}$  | $5,2387 \cdot \Delta T^{1,3044}$  | $5,8156 \cdot \Delta T^{1,3126}$  | $8,2352 \cdot \Delta T^{1,3013}$  |
| TYPE 21 | Rated thermal outputs<br>(Watt / 1m)    | 768                              | 977                               | 1.175                             | 1.361                             | 1.865                             |
|         | Characteristic curve<br>( $\Phi_{50}$ ) | $4,6660 \cdot \Delta T^{1,3047}$ | $5,7323 \cdot \Delta T^{1,3136}$  | $6,6517 \cdot \Delta T^{1,3225}$  | $7,4414 \cdot \Delta T^{1,3315}$  | $10,3076 \cdot \Delta T^{1,3288}$ |
| TYPE 22 | Rated thermal outputs<br>(Watt / 1m)    | 996                              | 1.270                             | 1.530                             | 1.779                             | 2.468                             |
|         | Characteristic curve<br>( $\Phi_{50}$ ) | $6,0056 \cdot \Delta T^{1,3065}$ | $7,4801 \cdot \Delta T^{1,3125}$  | $8,8058 \cdot \Delta T^{1,3184}$  | $10,0014 \cdot \Delta T^{1,3244}$ | $13,6274 \cdot \Delta T^{1,329}$  |
| TYPE 33 | Rated thermal outputs<br>(Watt / 1m)    | 1.393                            | 1.788                             | 2.153                             | 2.494                             | 3.370                             |
|         | Characteristic curve<br>( $\Phi_{50}$ ) | $8,7333 \cdot \Delta T^{1,2965}$ | $10,4918 \cdot \Delta T^{1,3134}$ | $11,8239 \cdot \Delta T^{1,3304}$ | $12,8079 \cdot \Delta T^{1,3476}$ | $19,1861 \cdot \Delta T^{1,3212}$ |

PS: water temperature 75 °C – 65 °C, room temperature 20 °C,  $\Delta T$  50 °C

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**10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.**

Signed for and on behalf of the manufacturer by

Name and function : Kemal MERAL – General Manager

Place and date of issue : Üstün Isıtma San. ve Tic. Ltd. Şti.

18 / 07 / 2018

Signature :

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