

**PRESTATIEVERKLARING / DECLARATION OF PERFORMANCE**

volgens DE VERORDENING VAN HET EUROPEES PARLEMENT EN DE RAAD VAN DE EUROPESE UNIE (EU) Nr. 305/2011 / by REGULATION No 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (EU)

**Nummer / Number:** 01-2015

**Product / Product:**  
Stalen paneelradiatoren  
Steel panel radiators

**Producttype / Type of appliance:**  
uni.8 (UNI.8)

**Beoogde gebruik / Intended use:**  
Verwarming in gebouwen  
Heating systems in buildings

**Fabrikant / Manufacturer:**  
DESCO nv  
Bijkhoevelaan 2-4  
2110 Wijnegem  
België / Belgium  
identificatienummer / company ID : BE0404.105.166

**Het systeem voor de beoordeling en verificatie van de prestatiebestendigheid / System of assessment and verification of constancy of performance:**

SYSTEEM 3 / SYSTEM 3

**Aangemelde instantie / Notified Body:**

Aangemelde instantie Nr. 1015 voerde de bepaling van de producttype op grond van typeonderzoek uit en gaf een testrapport /  
Notified laboratory No. 1015 performed the determination of the product-type on the basis of type testing and issued a test report

Deze prestatieverklaring wordt verstrekt onder de exclusieve verantwoordelijkheid van de boven vermelde fabrikant.

De eigenschappen van de boven vermelde producten worden in de volgende tabel beschreven /

The manufacturer under the sole responsibility declares that the performance of the products identified above  
is in the conformity with the performance declared in the following table:

| Essentiële kenmerken /<br>Essential characteristics                                                                                                                                                                    | Prestaties / Performance                                                      | Geharmoniseerde technische specificatie /<br>Harmonized technical specification |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Gedrag bij brand / Reaction to fire                                                                                                                                                                                    | A1                                                                            | EN 442-1:1997/A1:2004                                                           |
| Vrijlating van gevaarlijke stoffen /<br>Release of dangerous substances                                                                                                                                                | VOLDOET AAN DE NORM / NONE                                                    |                                                                                 |
| Drukdichtheid / Pressure tightness                                                                                                                                                                                     | 1,3 x van de maximale bedrijfsdruk [kPa] /<br>no leakage at 1,3 x MOP [kPa]   |                                                                                 |
| Drukbestendigheid /<br>Resistance to pressure                                                                                                                                                                          | 1,69 x van de maximale bedrijfsdruk [kPa]/<br>no breakage at 1,69 x MOP [kPa] |                                                                                 |
| Maximale bedrijfsdruk /<br>Maximum operating pressure (MOP)                                                                                                                                                            | 1000 kPa                                                                      |                                                                                 |
| Oppervlaktetemperatuur /<br>Surface temperature                                                                                                                                                                        | maximaal 110 °C / Maximum 110 °C                                              |                                                                                 |
| Nominaal vermogen / Rated thermal<br>outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]                                                                                                                                         | uni.8 (UNI.8) zie appendix nr. 1 /annex n.1                                   |                                                                                 |
| Thermisch vermogen onder<br>verschillende bedrijfsomstandigheden<br>(karakteristieke vergelijking) / Thermal<br>output in different operating conditions<br>(characteristic curve), $\Phi = \kappa^M \cdot \Delta T^n$ |                                                                               |                                                                                 |
| Duurzaamheid / Durability as:                                                                                                                                                                                          |                                                                               |                                                                                 |
| Weerstand tegen corrosie /<br>Resistance against corrosion                                                                                                                                                             | Zonder corrosie na 100 u vochtigheid /<br>No corrosion after 100 h humidity   |                                                                                 |
| Slagvastheid bij geringe impact /<br>Resistance against minor impact                                                                                                                                                   | Klasse 0 / Class 0                                                            |                                                                                 |

David Van Elsacker Aankoop/Purchase

Naam en functie / Name and function

In Wijnegem 1.8.2015

Plaats en datum van afgifte / Date and place of issue

Handtekening / Signature

**DÉCLARATION DES PERFORMANCES / DECLARATION OF PERFORMANCE**

selon LE RÉGLEMENT N° 305/2011 DU PARLEMENT EUROPÉEN ET DU CONSEIL (UE) / by REGULATION No 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (EU)

Numéro / Number : 01-2015

Produit / Product: Radiateurs à plaques en acier  
Steel panel radiators

Désignation du type / Type of appliance: uni.8 (UNI.8)

Utilisation envisagée / Intended use: Systèmes de chauffage dans des bâtiments  
Heating systems in buildingsFabricant / Manufacturer: DESCO nv  
Bijkhoevelaan 2-4  
2110 Wijnegem  
Belgique / Belgium  
N° de SIRET / company ID : BE0404.105.166

Système d'évaluation de persistance des performances / System of assessment and verification of constancy of performance: SYSTÈME 3 / SYSTEM 3

Personne notifiée / Notified Body:

La personne notifiée n° 1015 a fait la désignation du type d'un produit à la base d'un essai et a établi le Protocol de l'essai /  
Notified laboratory No. 1015 performed the determination of the product-type on the basis of type testing and issued a test reportFabricant sous sa responsabilité déclare que les performances des produits mentionnés dessus sont conformes aux performances  
déclarées indiquées dans le tableau suivant /  
The manufacturer under the sole responsibility declares that the performance of the products identified above  
is in the conformity with the performance declared in the following table:

| Caractéristique essentielles /<br>Essential characteristics                                                                                                                                 | Performance                                                                              | Spécifications techniques harmonisées /<br>Harmonized technical specification |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Réaction au feu / Reaction to fire                                                                                                                                                          | A1                                                                                       | EN 442-1:1997/A1:2004                                                         |
| Relâchement des substances dangereuses /<br>Release of dangerous substances                                                                                                                 | CONFORME A LA NORME / NONE                                                               |                                                                               |
| Surpression d'essai / Pressure tightness                                                                                                                                                    | 1,3 de la supression d'exploitation maximale [kPa] /<br>no leakage at 1,3 x MOP [kPa]    |                                                                               |
| Résistance contre la surpression /<br>Resistance to pressure                                                                                                                                | 1,69 de la supression d'exploitation maximale [kPa] / no<br>breakage at 1,69 x MOP [kPa] |                                                                               |
| Supression d'exploitation maximale /<br>Maximum operating pressure (MOP)                                                                                                                    | 1000 kPa                                                                                 |                                                                               |
| Temperature de la surface /<br>Surface temperature                                                                                                                                          | Maximum 110 °C                                                                           |                                                                               |
| Puissance thermique nominale /<br>Rated thermal outputs (Φ <sub>30</sub> , Φ <sub>50</sub> ) [W]                                                                                            | uni.8 (UNI.8) voir Annexe 1 / annex n. 1                                                 |                                                                               |
| Puissance thermique dans des différentes<br>conditions d'exploitation / Thermal output<br>in different operating conditions<br>(characteristic curve), Φ = K <sup>M</sup> . ΔT <sup>n</sup> |                                                                                          |                                                                               |
| Résistance / Durability as:                                                                                                                                                                 |                                                                                          |                                                                               |
| Résistance à la corrosion /<br>Resistance against corrosion                                                                                                                                 | Sans corrosion après 100 h dans le milieu humide /<br>No corrosion after 100 h humidity  |                                                                               |
| Résistance contre une petite percussion/<br>Resistance against minor impact                                                                                                                 | Classe 0 / Class 0                                                                       |                                                                               |

David Van Elsacker Achat/Purchase

Nom et fonction / Name and function

In Wijnegem 1.8.2015

Date et lieu de délivrance / Date and place of issue

Signature / Signature

| DoP n.01-2015 |      |        |        |                  |                      |                      |                |        |  | 1. |  |
|---------------|------|--------|--------|------------------|----------------------|----------------------|----------------|--------|--|----|--|
| uni.8 (UNI.8) |      |        |        |                  |                      |                      |                |        |  | 1. |  |
| Model         | Type | H [mm] | L [mm] | 1)               | ΔT <sub>35</sub> [W] | ΔT <sub>35</sub> [W] | K <sub>u</sub> | n      |  |    |  |
| uni.8         | 11   | 300    | 400    | 11030040-SP-0810 | 213                  | 112                  | 1,55084        | 1,2583 |  |    |  |
| uni.8         | 11   | 300    | 500    | 11030050-SP-0810 | 267                  | 140                  | 1,944          | 1,2583 |  |    |  |
| uni.8         | 11   | 300    | 600    | 11030060-SP-0810 | 320                  | 168                  | 2,32989        | 1,2583 |  |    |  |
| uni.8         | 11   | 300    | 700    | 11030070-SP-0810 | 373                  | 196                  | 2,71578        | 1,2583 |  |    |  |
| uni.8         | 11   | 300    | 800    | 11030080-SP-0810 | 426                  | 224                  | 3,10167        | 1,2583 |  |    |  |
| uni.8         | 11   | 300    | 900    | 11030090-SP-0810 | 480                  | 252                  | 3,49484        | 1,2583 |  |    |  |
| uni.8         | 11   | 300    | 1000   | 11030100-SP-0810 | 533                  | 280                  | 3,88073        | 1,2583 |  |    |  |
| uni.8         | 11   | 300    | 1100   | 11030110-SP-0810 | 586                  | 308                  | 4,26662        | 1,2583 |  |    |  |
| uni.8         | 11   | 300    | 1200   | 11030120-SP-0810 | 640                  | 337                  | 4,65979        | 1,2583 |  |    |  |
| uni.8         | 11   | 300    | 1400   | 11030140-SP-0810 | 746                  | 392                  | 5,43156        | 1,2583 |  |    |  |
| uni.8         | 11   | 300    | 1600   | 11030160-SP-0810 | 853                  | 449                  | 6,21062        | 1,2583 |  |    |  |
| uni.8         | 11   | 300    | 1800   | 11030180-SP-0810 | 959                  | 504                  | 6,9824         | 1,2583 |  |    |  |
| uni.8         | 11   | 300    | 2000   | 11030200-SP-0810 | 1066                 | 561                  | 7,76146        | 1,2583 |  |    |  |
| uni.8         | 11   | 400    | 400    | 11040040-SP-0810 | 273                  | 142                  | 1,84603        | 1,2772 |  |    |  |
| uni.8         | 11   | 400    | 500    | 11040050-SP-0810 | 342                  | 178                  | 2,31261        | 1,2772 |  |    |  |
| uni.8         | 11   | 400    | 600    | 11040060-SP-0810 | 410                  | 214                  | 2,77242        | 1,2772 |  |    |  |
| uni.8         | 11   | 400    | 700    | 11040070-SP-0810 | 478                  | 249                  | 3,23224        | 1,2772 |  |    |  |
| uni.8         | 11   | 400    | 800    | 11040080-SP-0810 | 546                  | 284                  | 3,69205        | 1,2772 |  |    |  |
| uni.8         | 11   | 400    | 900    | 11040090-SP-0810 | 615                  | 320                  | 4,15863        | 1,2772 |  |    |  |
| uni.8         | 11   | 400    | 1000   | 11040100-SP-0810 | 683                  | 356                  | 4,61845        | 1,2772 |  |    |  |
| uni.8         | 11   | 400    | 1100   | 11040110-SP-0810 | 751                  | 391                  | 5,07827        | 1,2772 |  |    |  |
| uni.8         | 11   | 400    | 1200   | 11040120-SP-0810 | 820                  | 427                  | 5,54484        | 1,2772 |  |    |  |
| uni.8         | 11   | 400    | 1400   | 11040140-SP-0810 | 956                  | 498                  | 6,46448        | 1,2772 |  |    |  |
| uni.8         | 11   | 400    | 1600   | 11040160-SP-0810 | 1093                 | 569                  | 7,39087        | 1,2772 |  |    |  |
| uni.8         | 11   | 400    | 1800   | 11040180-SP-0810 | 1229                 | 640                  | 8,3105         | 1,2772 |  |    |  |
| uni.8         | 11   | 400    | 2000   | 11040200-SP-0810 | 1366                 | 711                  | 9,2369         | 1,2772 |  |    |  |
| uni.8         | 11   | 500    | 400    | 11050040-SP-0810 | 332                  | 171                  | 2,08417        | 1,2962 |  |    |  |
| uni.8         | 11   | 500    | 500    | 11050050-SP-0810 | 416                  | 215                  | 2,61149        | 1,2962 |  |    |  |
| uni.8         | 11   | 500    | 600    | 11050060-SP-0810 | 499                  | 257                  | 3,13253        | 1,2962 |  |    |  |
| uni.8         | 11   | 500    | 700    | 11050070-SP-0810 | 582                  | 300                  | 3,65358        | 1,2962 |  |    |  |
| uni.8         | 11   | 500    | 800    | 11050080-SP-0810 | 665                  | 343                  | 4,17462        | 1,2962 |  |    |  |
| uni.8         | 11   | 500    | 900    | 11050090-SP-0810 | 748                  | 386                  | 4,69566        | 1,2962 |  |    |  |
| uni.8         | 11   | 500    | 1000   | 11050100-SP-0810 | 831                  | 429                  | 5,2167         | 1,2962 |  |    |  |
| uni.8         | 11   | 500    | 1100   | 11050110-SP-0810 | 914                  | 471                  | 5,73775        | 1,2962 |  |    |  |
| uni.8         | 11   | 500    | 1200   | 11050120-SP-0810 | 997                  | 514                  | 6,25879        | 1,2962 |  |    |  |
| uni.8         | 11   | 500    | 1400   | 11050140-SP-0810 | 1163                 | 600                  | 7,30087        | 1,2962 |  |    |  |
| uni.8         | 11   | 500    | 1600   | 11050160-SP-0810 | 1330                 | 686                  | 8,34924        | 1,2962 |  |    |  |
| uni.8         | 11   | 500    | 1800   | 11050180-SP-0810 | 1496                 | 772                  | 9,39132        | 1,2962 |  |    |  |
| uni.8         | 11   | 500    | 2000   | 11050200-SP-0810 | 1662                 | 857                  | 10,43341       | 1,2962 |  |    |  |
| uni.8         | 11   | 500    | 2300   | 11050230-SP-0810 | 1911                 | 986                  | 11,99653       | 1,2962 |  |    |  |
| uni.8         | 11   | 600    | 400    | 11060040-SP-0810 | 392                  | 200                  | 2,28544        | 1,3151 |  |    |  |
| uni.8         | 11   | 600    | 500    | 11060050-SP-0810 | 490                  | 250                  | 2,85681        | 1,3151 |  |    |  |
| uni.8         | 11   | 600    | 600    | 11060060-SP-0810 | 587                  | 300                  | 3,42234        | 1,3151 |  |    |  |
| uni.8         | 11   | 600    | 700    | 11060070-SP-0810 | 685                  | 350                  | 3,99377        | 1,3151 |  |    |  |
| uni.8         | 11   | 600    | 800    | 11060080-SP-0810 | 783                  | 400                  | 4,56506        | 1,3151 |  |    |  |
| uni.8         | 11   | 600    | 900    | 11060090-SP-0810 | 881                  | 450                  | 5,13642        | 1,3151 |  |    |  |
| uni.8         | 11   | 600    | 1000   | 11060100-SP-0810 | 979                  | 500                  | 5,70778        | 1,3151 |  |    |  |
| uni.8         | 11   | 600    | 1100   | 11060110-SP-0810 | 1077                 | 550                  | 6,27914        | 1,3151 |  |    |  |
| uni.8         | 11   | 600    | 1200   | 11060120-SP-0810 | 1175                 | 600                  | 6,8505         | 1,3151 |  |    |  |
| uni.8         | 11   | 600    | 1400   | 11060140-SP-0810 | 1371                 | 700                  | 7,99322        | 1,3151 |  |    |  |
| uni.8         | 11   | 600    | 1600   | 11060160-SP-0810 | 1566                 | 800                  | 9,13012        | 1,3151 |  |    |  |
| uni.8         | 11   | 600    | 1800   | 11060180-SP-0810 | 1762                 | 900                  | 10,27284       | 1,3151 |  |    |  |
| uni.8         | 11   | 600    | 2000   | 11060200-SP-0810 | 1958                 | 1000                 | 11,41556       | 1,3151 |  |    |  |
| uni.8         | 11   | 600    | 2300   | 11060230-SP-0810 | 2252                 | 1150                 | 13,12964       | 1,3151 |  |    |  |
| uni.8         | 11   | 700    | 400    | 11070040-SP-0810 | 452                  | 230                  | 2,58725        | 1,3198 |  |    |  |
| uni.8         | 11   | 700    | 500    | 11070050-SP-0810 | 565                  | 288                  | 3,23406        | 1,3198 |  |    |  |
| uni.8         | 11   | 700    | 600    | 11070060-SP-0810 | 677                  | 345                  | 3,87515        | 1,3198 |  |    |  |
| uni.8         | 11   | 700    | 700    | 11070070-SP-0810 | 790                  | 403                  | 4,52196        | 1,3198 |  |    |  |
| uni.8         | 11   | 700    | 800    | 11070080-SP-0810 | 903                  | 460                  | 5,16877        | 1,3198 |  |    |  |
| uni.8         | 11   | 700    | 900    | 11070090-SP-0810 | 1016                 | 518                  | 5,81558        | 1,3198 |  |    |  |
| uni.8         | 11   | 700    | 1000   | 11070100-SP-0810 | 1129                 | 575                  | 6,46239        | 1,3198 |  |    |  |
| uni.8         | 11   | 700    | 1100   | 11070110-SP-0810 | 1242                 | 633                  | 7,1092         | 1,3198 |  |    |  |
| uni.8         | 11   | 700    | 1200   | 11070120-SP-0810 | 1355                 | 690                  | 7,75602        | 1,3198 |  |    |  |
| uni.8         | 11   | 700    | 1400   | 11070140-SP-0810 | 1581                 | 806                  | 9,04964        | 1,3198 |  |    |  |
| uni.8         | 11   | 700    | 1600   | 11070160-SP-0810 | 1806                 | 920                  | 10,33754       | 1,3198 |  |    |  |
| uni.8         | 11   | 700    | 1800   | 11070180-SP-0810 | 2032                 | 1035                 | 11,63116       | 1,3198 |  |    |  |
| uni.8         | 11   | 700    | 2000   | 11070200-SP-0810 | 2258                 | 1151                 | 12,92478       | 1,3198 |  |    |  |
| uni.8         | 11   | 700    | 2300   | 11070230-SP-0810 | 2597                 | 1323                 | 14,86522       | 1,3198 |  |    |  |
| uni.8         | 11   | 900    | 400    | 11090040-SP-0810 | 573                  | 291                  | 3,16267        | 1,3291 |  |    |  |
| uni.8         | 11   | 900    | 500    | 11090050-SP-0810 | 716                  | 363                  | 3,95195        | 1,3291 |  |    |  |
| uni.8         | 11   | 900    | 600    | 11090060-SP-0810 | 859                  | 436                  | 4,74124        | 1,3291 |  |    |  |
| uni.8         | 11   | 900    | 700    | 11090070-SP-0810 | 1002                 | 508                  | 5,53053        | 1,3291 |  |    |  |
| uni.8         | 11   | 900    | 800    | 11090080-SP-0810 | 1146                 | 581                  | 6,32534        | 1,3291 |  |    |  |
| uni.8         | 11   | 900    | 900    | 11090090-SP-0810 | 1289                 | 654                  | 7,11462        | 1,3291 |  |    |  |
| uni.8         | 11   | 900    | 1000   | 11090100-SP-0810 | 1432                 | 726                  | 7,90391        | 1,3291 |  |    |  |
| uni.8         | 11   | 900    | 1100   | 11090110-SP-0810 | 1575                 | 799                  | 8,6932         | 1,3291 |  |    |  |
| uni.8         | 11   | 900    | 1200   | 11090120-SP-0810 | 1718                 | 871                  | 9,48248        | 1,3291 |  |    |  |
| uni.8         | 11   | 900    | 1400   | 11090140-SP-0810 | 2005                 | 1017                 | 11,06658       | 1,3291 |  |    |  |
| uni.8         | 11   | 900    | 1600   | 11090160-SP-0810 | 2291                 | 1162                 | 12,64515       | 1,3291 |  |    |  |
| uni.8         | 11   | 900    | 1800   | 11090180-SP-0810 | 2578                 | 1307                 | 14,22925       | 1,3291 |  |    |  |
| uni.8         | 11   | 900    | 2000   | 11090200-SP-0810 | 2864                 | 1452                 | 15,80782       | 1,3291 |  |    |  |
| uni.8         | 21   | 300    | 400    | 21030040-SP-0810 | 299                  | 153                  | 1,75418        | 1,3135 |  |    |  |
| uni.8         | 21   | 300    | 500    | 21030050-SP-0810 | 374                  | 191                  | 2,19419        | 1,3135 |  |    |  |
| uni.8         | 21   | 300    | 600    | 21030060-SP-0810 | 449                  | 230                  | 2,6342         | 1,3135 |  |    |  |
| uni.8         | 21   | 300    | 700    | 21030070-SP-0810 | 524                  | 268                  | 3,07421        | 1,3135 |  |    |  |
| uni.8         | 21   | 300    | 800    | 21030080-SP-0810 | 598                  | 306                  | 3,50836        | 1,3135 |  |    |  |
| uni.8         | 21   | 300    | 900    | 21030090-SP-0810 | 673                  | 344                  | 3,94837        | 1,3135 |  |    |  |
| uni.8         | 21   | 300    | 1000   | 21030100-SP-0810 | 748                  | 382                  | 4,38838        | 1,3135 |  |    |  |
| uni.8         | 21   | 300    | 1100   | 21030110-SP-0810 | 823                  | 421                  | 4,82839        | 1,3135 |  |    |  |
| uni.8         | 21   | 300    | 1200   | 21030120-SP-0810 | 898                  | 459                  | 5,26841        | 1,3135 |  |    |  |
| uni.8         | 21   | 300    | 1400   | 21030140-SP-0810 | 1047                 | 535                  | 6,14256        | 1,3135 |  |    |  |
| uni.8         | 21   | 300    | 1600   | 21030160-SP-0810 | 1197                 | 612                  | 7,02259        | 1,3135 |  |    |  |
| uni.8         | 21   | 300    | 1800   | 21030180-SP-0810 | 1346                 | 688                  | 7,89674        | 1,3135 |  |    |  |
| uni.8         | 21   | 300    | 2000   | 21030200-SP-0810 | 1496                 | 765                  | 8,77677        | 1,3135 |  |    |  |
| uni.8         | 21   | 400    | 400    | 21040040-SP-0810 | 375                  | 190                  | 2,09588        | 1,3259 |  |    |  |
| uni.8         | 21   | 400    | 500    | 21040050-SP-0810 | 469                  | 238                  | 2,62125        | 1,3259 |  |    |  |
| uni.8         | 21   | 400    | 600    | 21040060-SP-0810 | 562                  | 285                  | 3,14103        | 1,3259 |  |    |  |
| uni.8         | 21   | 400    | 700    | 21040070-SP-0810 | 656                  | 333                  | 3,6664         | 1,3259 |  |    |  |
| uni.8         | 21   | 400    | 800    | 21040080-SP-0810 | 750                  | 381                  | 4,19177        | 1,3259 |  |    |  |

|               |      |        |        |                  |                      |                      |                |        |
|---------------|------|--------|--------|------------------|----------------------|----------------------|----------------|--------|
| DoP n.01-2015 |      |        |        |                  |                      |                      |                |        |
| uni.8 (UNI.8) |      |        |        |                  |                      |                      | 1.             |        |
| Model         | Type | H [mm] | L [mm] | ⚙ 1)             | ΔT <sub>50</sub> [W] | ΔT <sub>30</sub> [W] | K <sub>u</sub> | n      |
| uni.8         | 22   | 500    | 800    | 22050080-SP-0810 | 1158                 | 588                  | 6,46955        | 1,326  |
| uni.8         | 22   | 500    | 900    | 22050090-SP-0810 | 1302                 | 661                  | 7,27406        | 1,326  |
| uni.8         | 22   | 500    | 1000   | 22050100-SP-0810 | 1447                 | 735                  | 8,08415        | 1,326  |
| uni.8         | 22   | 500    | 1100   | 22050110-SP-0810 | 1592                 | 809                  | 8,89424        | 1,326  |
| uni.8         | 22   | 500    | 1200   | 22050120-SP-0810 | 1736                 | 882                  | 9,69874        | 1,326  |
| uni.8         | 22   | 500    | 1400   | 22050140-SP-0810 | 2026                 | 1029                 | 11,31893       | 1,326  |
| uni.8         | 22   | 500    | 1600   | 22050160-SP-0810 | 2315                 | 1176                 | 12,93352       | 1,326  |
| uni.8         | 22   | 500    | 1800   | 22050180-SP-0810 | 2605                 | 1323                 | 14,5537        | 1,326  |
| uni.8         | 22   | 500    | 2000   | 22050200-SP-0810 | 2894                 | 1470                 | 16,1683        | 1,326  |
| uni.8         | 22   | 500    | 2300   | 22050230-SP-0810 | 3328                 | 1690                 | 18,59298       | 1,326  |
| uni.8         | 22   | 500    | 2600   | 22050260-SP-0810 | 3762                 | 1911                 | 21,01767       | 1,326  |
| uni.8         | 22   | 500    | 3000   | 22050300-SP-0810 | 4341                 | 2205                 | 24,25245       | 1,326  |
| uni.8         | 22   | 600    | 400    | 22060040-SP-0810 | 672                  | 339                  | 3,55844        | 1,3397 |
| uni.8         | 22   | 600    | 500    | 22060050-SP-0810 | 840                  | 424                  | 4,44804        | 1,3397 |
| uni.8         | 22   | 600    | 600    | 22060060-SP-0810 | 1008                 | 508                  | 5,33765        | 1,3397 |
| uni.8         | 22   | 600    | 700    | 22060070-SP-0810 | 1176                 | 593                  | 6,22726        | 1,3397 |
| uni.8         | 22   | 600    | 800    | 22060080-SP-0810 | 1344                 | 678                  | 7,11687        | 1,3397 |
| uni.8         | 22   | 600    | 900    | 22060090-SP-0810 | 1512                 | 763                  | 8,00648        | 1,3397 |
| uni.8         | 22   | 600    | 1000   | 22060100-SP-0810 | 1680                 | 847                  | 8,89609        | 1,3397 |
| uni.8         | 22   | 600    | 1100   | 22060110-SP-0810 | 1848                 | 932                  | 9,7857         | 1,3397 |
| uni.8         | 22   | 600    | 1200   | 22060120-SP-0810 | 2016                 | 1017                 | 10,67531       | 1,3397 |
| uni.8         | 22   | 600    | 1400   | 22060140-SP-0810 | 2352                 | 1186                 | 12,45453       | 1,3397 |
| uni.8         | 22   | 600    | 1600   | 22060160-SP-0810 | 2688                 | 1356                 | 14,23374       | 1,3397 |
| uni.8         | 22   | 600    | 1800   | 22060180-SP-0810 | 3024                 | 1525                 | 16,01296       | 1,3397 |
| uni.8         | 22   | 600    | 2000   | 22060200-SP-0810 | 3360                 | 1695                 | 17,79218       | 1,3397 |
| uni.8         | 22   | 600    | 2300   | 22060230-SP-0810 | 3864                 | 1949                 | 20,46101       | 1,3397 |
| uni.8         | 22   | 600    | 2600   | 22060260-SP-0810 | 4368                 | 2203                 | 23,12983       | 1,3397 |
| uni.8         | 22   | 600    | 3000   | 22060300-SP-0810 | 5040                 | 2542                 | 26,68827       | 1,3397 |
| uni.8         | 22   | 700    | 400    | 22070040-SP-0810 | 762                  | 383                  | 3,92448        | 1,3468 |
| uni.8         | 22   | 700    | 500    | 22070050-SP-0810 | 953                  | 479                  | 4,90818        | 1,3468 |
| uni.8         | 22   | 700    | 600    | 22070060-SP-0810 | 1143                 | 574                  | 5,88672        | 1,3468 |
| uni.8         | 22   | 700    | 700    | 22070070-SP-0810 | 1334                 | 670                  | 6,87042        | 1,3468 |
| uni.8         | 22   | 700    | 800    | 22070080-SP-0810 | 1524                 | 766                  | 7,84896        | 1,3468 |
| uni.8         | 22   | 700    | 900    | 22070090-SP-0810 | 1715                 | 862                  | 8,83266        | 1,3468 |
| uni.8         | 22   | 700    | 1000   | 22070100-SP-0810 | 1905                 | 957                  | 9,8112         | 1,3468 |
| uni.8         | 22   | 700    | 1100   | 22070110-SP-0810 | 2096                 | 1053                 | 10,7949        | 1,3468 |
| uni.8         | 22   | 700    | 1200   | 22070120-SP-0810 | 2286                 | 1149                 | 11,77344       | 1,3468 |
| uni.8         | 22   | 700    | 1400   | 22070140-SP-0810 | 2667                 | 1340                 | 13,73568       | 1,3468 |
| uni.8         | 22   | 700    | 1600   | 22070160-SP-0810 | 3048                 | 1532                 | 15,69792       | 1,3468 |
| uni.8         | 22   | 700    | 1800   | 22070180-SP-0810 | 3429                 | 1723                 | 17,66016       | 1,3468 |
| uni.8         | 22   | 700    | 2000   | 22070200-SP-0810 | 3810                 | 1915                 | 19,6224        | 1,3468 |
| uni.8         | 22   | 700    | 2300   | 22070230-SP-0810 | 4382                 | 2202                 | 22,56834       | 1,3468 |
| uni.8         | 22   | 700    | 2600   | 22070260-SP-0810 | 4953                 | 2489                 | 25,50912       | 1,3468 |
| uni.8         | 22   | 700    | 3000   | 22070300-SP-0810 | 5715                 | 2872                 | 29,4336        | 1,3468 |
| uni.8         | 22   | 900    | 400    | 22090040-SP-0810 | 934                  | 466                  | 4,55217        | 1,3609 |
| uni.8         | 22   | 900    | 500    | 22090050-SP-0810 | 1168                 | 583                  | 5,69265        | 1,3609 |
| uni.8         | 22   | 900    | 600    | 22090060-SP-0810 | 1401                 | 699                  | 6,82826        | 1,3609 |
| uni.8         | 22   | 900    | 700    | 22090070-SP-0810 | 1635                 | 816                  | 7,96874        | 1,3609 |
| uni.8         | 22   | 900    | 800    | 22090080-SP-0810 | 1868                 | 932                  | 9,10434        | 1,3609 |
| uni.8         | 22   | 900    | 900    | 22090090-SP-0810 | 2102                 | 1049                 | 10,24482       | 1,3609 |
| uni.8         | 22   | 900    | 1000   | 22090100-SP-0810 | 2335                 | 1165                 | 11,38043       | 1,3609 |
| uni.8         | 22   | 900    | 1100   | 22090110-SP-0810 | 2569                 | 1282                 | 12,52091       | 1,3609 |
| uni.8         | 22   | 900    | 1200   | 22090120-SP-0810 | 2802                 | 1398                 | 13,65651       | 1,3609 |
| uni.8         | 22   | 900    | 1400   | 22090140-SP-0810 | 3269                 | 1631                 | 15,9326        | 1,3609 |
| uni.8         | 22   | 900    | 1600   | 22090160-SP-0810 | 3736                 | 1864                 | 18,20869       | 1,3609 |
| uni.8         | 22   | 900    | 1800   | 22090180-SP-0810 | 4203                 | 2097                 | 20,48477       | 1,3609 |
| uni.8         | 22   | 900    | 2000   | 22090200-SP-0810 | 4670                 | 2330                 | 22,76086       | 1,3609 |
| uni.8         | 33   | 300    | 800    | 33030080-SP-0810 | 1065                 | 543                  | 6,11516        | 1,319  |
| uni.8         | 33   | 300    | 900    | 33030090-SP-0810 | 1198                 | 611                  | 6,87884        | 1,319  |
| uni.8         | 33   | 300    | 1000   | 33030100-SP-0810 | 1331                 | 679                  | 7,64252        | 1,319  |
| uni.8         | 33   | 300    | 1100   | 33030110-SP-0810 | 1464                 | 746                  | 8,4062         | 1,319  |
| uni.8         | 33   | 300    | 1200   | 33030120-SP-0810 | 1597                 | 814                  | 9,16988        | 1,319  |
| uni.8         | 33   | 300    | 1400   | 33030140-SP-0810 | 1863                 | 950                  | 10,69723       | 1,319  |
| uni.8         | 33   | 300    | 1600   | 33030160-SP-0810 | 2130                 | 1086                 | 12,23033       | 1,319  |
| uni.8         | 33   | 300    | 1800   | 33030180-SP-0810 | 2396                 | 1221                 | 13,75769       | 1,319  |
| uni.8         | 33   | 300    | 2000   | 33030200-SP-0810 | 2662                 | 1357                 | 15,28504       | 1,319  |
| uni.8         | 33   | 300    | 2300   | 33030230-SP-0810 | 3061                 | 1560                 | 17,57607       | 1,319  |
| uni.8         | 33   | 300    | 2600   | 33030260-SP-0810 | 3461                 | 1764                 | 19,87285       | 1,319  |
| uni.8         | 33   | 300    | 3000   | 33030300-SP-0810 | 3993                 | 2036                 | 22,92756       | 1,319  |
| uni.8         | 33   | 400    | 800    | 33040080-SP-0810 | 1373                 | 697                  | 7,63181        | 1,3273 |
| uni.8         | 33   | 400    | 900    | 33040090-SP-0810 | 1544                 | 784                  | 8,58231        | 1,3273 |
| uni.8         | 33   | 400    | 1000   | 33040100-SP-0810 | 1716                 | 871                  | 9,53838        | 1,3273 |
| uni.8         | 33   | 400    | 1100   | 33040110-SP-0810 | 1888                 | 958                  | 10,49444       | 1,3273 |
| uni.8         | 33   | 400    | 1200   | 33040120-SP-0810 | 2059                 | 1045                 | 11,44494       | 1,3273 |
| uni.8         | 33   | 400    | 1400   | 33040140-SP-0810 | 2402                 | 1219                 | 13,3515        | 1,3273 |
| uni.8         | 33   | 400    | 1600   | 33040160-SP-0810 | 2746                 | 1394                 | 15,26362       | 1,3273 |
| uni.8         | 33   | 400    | 1800   | 33040180-SP-0810 | 3089                 | 1568                 | 17,17019       | 1,3273 |
| uni.8         | 33   | 400    | 2000   | 33040200-SP-0810 | 3432                 | 1742                 | 19,07675       | 1,3273 |
| uni.8         | 33   | 400    | 2300   | 33040230-SP-0810 | 3947                 | 2004                 | 21,93937       | 1,3273 |
| uni.8         | 33   | 400    | 2600   | 33040260-SP-0810 | 4462                 | 2265                 | 24,802         | 1,3273 |
| uni.8         | 33   | 400    | 3000   | 33040300-SP-0810 | 5148                 | 2613                 | 28,61513       | 1,3273 |
| uni.8         | 33   | 500    | 500    | 33050050-SP-0810 | 1038                 | 525                  | 5,5832         | 1,3357 |
| uni.8         | 33   | 500    | 600    | 33050060-SP-0810 | 1245                 | 629                  | 6,69661        | 1,3357 |
| uni.8         | 33   | 500    | 700    | 33050070-SP-0810 | 1453                 | 734                  | 7,8154         | 1,3357 |
| uni.8         | 33   | 500    | 800    | 33050080-SP-0810 | 1660                 | 839                  | 8,92882        | 1,3357 |
| uni.8         | 33   | 500    | 900    | 33050090-SP-0810 | 1868                 | 944                  | 10,04761       | 1,3357 |
| uni.8         | 33   | 500    | 1000   | 33050100-SP-0810 | 2075                 | 1049                 | 11,16102       | 1,3357 |
| uni.8         | 33   | 500    | 1100   | 33050110-SP-0810 | 2283                 | 1154                 | 12,27981       | 1,3357 |
| uni.8         | 33   | 500    | 1200   | 33050120-SP-0810 | 2490                 | 1259                 | 13,39322       | 1,3357 |
| uni.8         | 33   | 500    | 1400   | 33050140-SP-0810 | 2905                 | 1468                 | 15,62543       | 1,3357 |
| uni.8         | 33   | 500    | 1600   | 33050160-SP-0810 | 3320                 | 1678                 | 17,85763       | 1,3357 |
| uni.8         | 33   | 500    | 1800   | 33050180-SP-0810 | 3735                 | 1888                 | 20,08984       | 1,3357 |
| uni.8         | 33   | 500    | 2000   | 33050200-SP-0810 | 4150                 | 2098                 | 22,32204       | 1,3357 |
| uni.8         | 33   | 500    | 2300   | 33050230-SP-0810 | 4773                 | 2413                 | 25,67303       | 1,3357 |
| uni.8         | 33   | 500    | 2600   | 33050260-SP-0810 | 5395                 | 2727                 | 29,01865       | 1,3357 |
| uni.8         | 33   | 500    | 3000   | 33050300-SP-0810 | 6225                 | 3146                 | 33,48306       | 1,3357 |
| uni.8         | 33   | 600    | 500    | 33060050-SP-0810 | 1206                 | 607                  | 6,27959        | 1,344  |
| uni.8         | 33   | 600    | 600    | 33060060-SP-0810 | 1447                 | 728                  | 7,53447        | 1,344  |
| uni.8         | 33   | 600    | 700    | 33060070-SP-0810 | 1688                 | 850                  | 8,78935        | 1,344  |

|               |      |        |        |                  |                      |                      |                |        |
|---------------|------|--------|--------|------------------|----------------------|----------------------|----------------|--------|
| DoP n.01-2015 |      |        |        |                  |                      |                      |                |        |
| uni.8 (UNI.8) |      |        |        |                  |                      |                      | 1.             |        |
| Model         | Type | H [mm] | L [mm] | ⚙ 1)             | ΔT <sub>50</sub> [W] | ΔT <sub>30</sub> [W] | K <sub>u</sub> | n      |
| uni.8         | 33   | 600    | 800    | 33060080-SP-0810 | 1929                 | 971                  | 10,04423       | 1,344  |
| uni.8         | 33   | 600    | 900    | 33060090-SP-0810 | 2170                 | 1092                 | 11,29911       | 1,344  |
| uni.8         | 33   | 600    | 1000   | 33060100-SP-0810 | 2411                 | 1213                 | 12,55398       | 1,344  |
| uni.8         | 33   | 600    | 1100   | 33060110-SP-0810 | 2652                 | 1335                 | 13,80886       | 1,344  |
| uni.8         | 33   | 600    | 1200   | 33060120-SP-0810 | 2893                 | 1456                 | 15,06374       | 1,344  |
| uni.8         | 33   | 600    | 1400   | 33060140-SP-0810 | 3375                 | 1699                 | 17,57349       | 1,344  |
| uni.8         | 33   | 600    | 1600   | 33060160-SP-0810 | 3858                 | 1942                 | 20,08846       | 1,344  |
| uni.8         | 33   | 600    | 1800   | 33060180-SP-0810 | 4340                 | 2184                 | 22,59821       | 1,344  |
| uni.8         | 33   | 600    | 2000   | 33060200-SP-0810 | 4822                 | 2427                 | 25,10797       | 1,344  |
| uni.8         | 33   | 600    | 2300   | 33060230-SP-0810 | 5545                 | 2791                 | 28,8726        | 1,344  |
| uni.8         | 33   | 600    | 2600   | 33060260-SP-0810 | 6269                 | 3155                 | 32,64244       | 1,344  |
| uni.8         | 33   | 600    | 3000   | 33060300-SP-0810 | 7233                 | 3640                 | 37,66195       | 1,344  |
| uni.8         | 33   | 700    | 500    | 33070050-SP-0810 | 1362                 | 682                  | 6,84921        | 1,3529 |
| uni.8         | 33   | 700    | 600    | 33070060-SP-0810 | 1634                 | 819                  | 8,21704        | 1,3529 |
| uni.8         | 33   | 700    | 700    | 33070070-SP-0810 | 1907                 | 955                  | 9,5889         | 1,3529 |
| uni.8         | 33   | 700    | 800    | 33070080-SP-0810 | 2179                 | 1092                 | 10,95773       | 1,3529 |
| uni.8         | 33   | 700    | 900    | 33070090-SP-0810 | 2452                 | 1229                 | 12,33059       | 1,3529 |
| uni.8         | 33   | 700    | 1000   | 33070100-SP-0810 | 2724                 | 1365                 | 13,69842       | 1,3529 |
| uni.8         | 33   | 700    | 1100   | 33070110-SP-0810 | 2996                 | 1501                 | 15,06625       | 1,3529 |
| uni.8         | 33   | 700    | 1200   | 33070120-SP-0810 | 3269                 | 1638                 | 16,43911       | 1,3529 |
| uni.8         | 33   | 700    | 1400   | 33070140-SP-0810 | 3814                 | 1911                 | 19,1798        | 1,3529 |
| uni.8         | 33   | 700    | 1600   | 33070160-SP-0810 | 4358                 | 2183                 | 21,91547       | 1,3529 |
| uni.8         | 33   | 700    | 1800   | 33070180-SP-0810 | 4903                 | 2457                 | 24,65616       | 1,3529 |