



# PRODUCT PERFORMANCE RATING

Document ID 022820201156-10746249

Issued on / Délivré le June 28 February 2020

This product is certified by Eurovent Certita Certification as mentioned on  
Ce produit est certifié par Eurovent Certita Certification conformément au

## Certificate N° 19.09.016

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Product / Produit

Heat pumps / Pompes à chaleur (NF 414)

Product type / Type de produit

HP - Electric - Dual mode - Reversible - Air/Water

Brand / Marque

DE DIETRICH

Range / Gamme

STRATEO

Product référence / Référence

STRATEO 6 MR/E

This performance certificate is delivered for the following project:

Le Product Performance Rating est établi pour le projet décrit ci-dessous:

| Project Name<br>Nom du projet | Company<br>Société | Project reference<br>Référence du projet | Project location<br>Lieu du projet |
|-------------------------------|--------------------|--|------------------------------------|
| IE                            |                    | IE                                       | Ireland                            |

| FEATURE              | VALUE | UNIT |
|----------------------|-------|------|
| <b>AUX</b>           |       |      |
| Auxiliary Power Rate | 1.05  | %    |
| Standby Power        | 15.00 | W    |

| FEATURE                       | VALUE | UNIT  |
|-------------------------------|-------|-------|
| <b>SOUND_EXT</b>              |       |       |
| External Side Sound Enveloppe | 62    | dB(A) |



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| FEATURE             | VALUE | UNIT  |
|---------------------|-------|-------|
| <b>SOUND_INT</b>    |       |       |
| Internal Side Sound | 39    | dB(A) |

| FEATURE               | VALUE | UNIT |
|-----------------------|-------|------|
| <b>A(-7)/W(30-35)</b> |       |      |
| Ph                    | 3.96  | kW   |
| Pe                    | 1.53  | kW   |
| COP                   | 2.59  |      |

| FEATURE               | VALUE | UNIT |
|-----------------------|-------|------|
| <b>A(+2)/W(30-35)</b> |       |      |
| Ph                    | 3.74  | kW   |
| Pe                    | 1.11  | kW   |
| COP                   | 3.37  |      |



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| FEATURE               | VALUE | UNIT |
|-----------------------|-------|------|
| <b>A(+7)/W(30-35)</b> |       |      |
| Ph                    | 5.82  | kW   |
| Pe                    | 1.38  | kW   |
| COP                   | 4.22  |      |

| FEATURE               | VALUE | UNIT |
|-----------------------|-------|------|
| <b>A(-7)/W(40-45)</b> |       |      |
| Ph                    | 3.73  | kW   |
| Pe                    | 1.81  | kW   |
| COP                   | 2.06  |      |

| FEATURE               | VALUE | UNIT |
|-----------------------|-------|------|
| <b>A(+2)/W(40-45)</b> |       |      |
| Ph                    | 3.67  | kW   |
| Pe                    | 1.34  | kW   |
| COP                   | 2.74  |      |



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| FEATURE               | VALUE | UNIT |
|-----------------------|-------|------|
| <b>A(+7)/W(40-45)</b> |       |      |
| Ph                    | 5.38  | kW   |
| Pe                    | 1.66  | kW   |
| COP                   | 3.24  |      |

| FEATURE               | VALUE | UNIT |
|-----------------------|-------|------|
| <b>A(-7)/W(47-55)</b> |       |      |
| Ph                    | 3.45  | kW   |
| Pe                    | 2.35  | kW   |
| COP                   | 1.47  |      |

| FEATURE               | VALUE | UNIT |
|-----------------------|-------|------|
| <b>A(+2)/W(47-55)</b> |       |      |
| Ph                    | 3.40  | kW   |
| Pe                    | 1.55  | kW   |
| COP                   | 2.19  |      |



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| FEATURE               | VALUE | UNIT |
|-----------------------|-------|------|
| <b>A(+7)/W(47-55)</b> |       |      |
| Ph                    | 5.53  | kW   |
| Pe                    | 2.19  | kW   |
| COP                   | 2.53  |      |

| FEATURE              | VALUE | UNIT |
|----------------------|-------|------|
| <b>A(35)/W(7-12)</b> |       |      |
| Pc                   | 4.50  | kW   |
| Pe                   | 1.70  | kW   |
| EER                  | 2.65  |      |

| FEATURE               | VALUE | UNIT |
|-----------------------|-------|------|
| <b>A(35)/W(18-23)</b> |       |      |
| Pc                    | 5.08  | kW   |
| Pe                    | 1.21  | kW   |
| EER                   | 4.20  |      |



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| FEATURE                 | VALUE  | UNIT |
|-------------------------|--|------|
| <b>REFERENCE</b>        |  |      |
| reference code          | 7728543  |      |
| HP Detailed reference   | MIC-1C V190 (7700833) + AWHP 6 MR-3 (7668016) + Platine hydraulique 1C (7696865) |      |
| Tank Detailed reference | Integrated in IU   |      |

| FEATURE                                | VALUE  | UNIT |
|--|--------|------|
| <b>SEASONAL EFFICIENCY AVERAGE W55</b> |        |      |
| Pdesignh                               | 3.90   | kW   |
| SCOPnet                                | 3.22   |      |
| SCOP                                   | 3.30   |      |
| $\eta_s$                               | 126.00 | %    |

| FEATURE                     | VALUE  | UNIT |
|-----------------------------|--------|------|
| <b>BIVALENT AVERAGE W55</b> |        |      |
| T biv                       | -10.00 | °C   |
| COP Bivalent                | 1.58   |      |



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| FEATURE        | VALUE  | UNIT |
|----------------|--------|------|
| <b>TOL W55</b> |        |      |
| TOL            | -10.00 | °C   |
| COP TOL        | 1.58   |      |



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| FEATURE   | VALUE      | UNIT      |
|---|------------|-----------|
| <b>DOMESTIC HOT WATER PERFORMANCES</b>                          |            |           |
| Temperature Instruction   | 54         | °C        |
| Tapping Cycle NF (EN 16147)                                     | M          |           |
| Reference hot water temperature                                 | 53.00      | °C        |
| Running Mode  | alternated |           |
| V40   | 275        |           |
| DHW Performance Certified Electric Extra Heating (With_Without) | false      |           |
| Nominal Stockage Volume   | 190        |           |
| Spare capacity  | 32.60      | W         |
| Temperature rise time   | 1h40       | h         |
| Daily electricity consumption                                   | 2.17       | kWh/day   |
| Annual electricity consumption                                  | 438.00     | kWh/annum |
| COP_(DHW)   | 2.70       |           |
| $\eta_{WH}$   | 117.00     | %         |
| COP_global  | 2.70       |           |





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| FEATURE   | VALUE | UNIT      |
|---|-------|-----------|
| <b>DOMESTIC HOT WATER PERFORMANCES_WARM_CLIMATE</b> |       |           |
| Temperature Instruction                             |       | °C        |
| Reference hot water temperature                     |       | °C        |
| V40   |       |           |
| Nominal Stockage Volume                             |       |           |
| Temperature rise time                               |       | h         |
| Daily electricity consumption                       |       | kWh/day   |
| Annual electricity consumption                      |       | kWh/annum |
| COP_(DHW)   |       |           |
| $\eta_{WH}$   |       | %         |
| COP_global  |       |           |



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| FEATURE                    | VALUE             | UNIT |
|----------------------------|-------------------|------|
| <b>GENERAL_INFORMATION</b> |                   |      |
| Current Type               | 230               | V    |
| Phase                      | single-phased     |      |
| Frequency                  | 50                | Hz   |
| LRcontmin                  | 35.90             | %    |
| Type                       | split             |      |
| CcpLRcontmin               | 1.02              |      |
| Family                     | aerothermal       |      |
| Compressor system          | rotary            |      |
| Compressor type            | monocompressor    |      |
| Exchange Mode              | outdoor air/water |      |
| Reversible                 | true              |      |
| Liquid Refrigerant         | R410A             |      |
| Free Cooling               | false             |      |

| FEATURE              | VALUE | UNIT |
|----------------------|-------|------|
| <b>DATA TRANSFER</b> |       |      |
| BAFA                 | false |      |
| Edibatec             | false |      |