

# ERLA11DAV3 / ERLA14DAV3 / ERLA16DAV37 / ERLA11DAW1 / ERLA14DAW1 / ERLA16DAW17

Rated data for certification programmes - heating mode  
According to -UNI/TS 11300-

| Condition - - |   |              |             | ERLA11DA(V3/W1) |            | ERLA14DA(V3/W1) |            | ERLA16DA(V3/W1)(7) |            |      |
|---------------|---|--------------|-------------|-----------------|------------|-----------------|------------|--------------------|------------|------|
|               |   | Tamb<br>[°C] | LWC<br>[°C] | PLR<br>[%]      | HC<br>[kW] | COP             | HC<br>[kW] | COP                | HC<br>[kW] | COP  |
| A             | B | C            | D           | -7/-8           | 34         | 100             | 6.87       | 3.01               | 8.20       | 2.92 |
|               |   |              |             | 2/1             | 30         | 100             | 7.01       | 3.83               | 7.75       | 3.78 |
|               |   |              |             | 7/6             | 27         | 100             | 8.13       | 5.10               | 10.44      | 5.19 |
|               |   |              |             | 12/11           | 24         | 100             | 11.15      | 9.33               | 12.71      | 9.35 |
| A             | B | C            | D           | -7/-8           | 52         | 100             | 6.68       | 2.00               | 8.08       | 1.98 |
|               |   |              |             | 2/1             | 42         | 100             | 6.58       | 2.79               | 7.39       | 2.79 |
|               |   |              |             | 7/6             | 36         | 100             | 10.38      | 4.69               | 12.27      | 4.71 |
|               |   |              |             | 12/11           | 30         | 100             | 12.44      | 6.04               | 13.19      | 6.60 |

Rated data for certification programmes - cooling mode  
According to -UNI/TS 11300-

| Condition - - |   |              |             | ERLA11DA(V3/W1) |            | ERLA14DA(V3/W1) |            | ERLA16DA(V3/W1)(7) |            |       |
|---------------|---|--------------|-------------|-----------------|------------|-----------------|------------|--------------------|------------|-------|
|               |   | Tamb<br>[°C] | LWE<br>[°C] | PLR<br>[%]      | CC<br>[kW] | COP             | CC<br>[kW] | EER                | CC<br>[kW] | EER   |
| A             | B | C            | D*          | 35              | 18         | 100             | 17.44      | 3.68               | 17.95      | 3.91  |
|               |   |              |             | 30              | 18         | 75              | 14.55      | 5.49               | 15.96      | 4.98  |
|               |   |              |             | 25              | 18         | 50              | 10.64      | 8.87               | 11.72      | 8.55  |
|               |   |              |             | 20              | 18         | 25              | 4.36       | 12.52              | 4.49       | 12.54 |
| A             | B | C            | D*          | 35              | 7          | 100             | 13.15      | 2.67               | 13.53      | 2.84  |
|               |   |              |             | 30              | 7          | 75              | 10.31      | 3.85               | 11.75      | 3.73  |
|               |   |              |             | 25              | 7          | 50              | 7.41       | 5.79               | 8.10       | 5.59  |
|               |   |              |             | 20              | 7          | 25              | 3.29       | 7.21               | 3.38       | 7.25  |

At part load -D\*- data is calculated with ON/OFF compensation according to -EN14825- for the purpose of the software calculation tool. In reality, the minimum load of the unit in this condition is higher than -25-%.

Rated data for certification programmes - domestic hot water performance

| Outdoor unit            |       | ERLA(11/14/16)DAV3(7)           |        |        | ERLA(11/14/16)DAW1(7)                       |        |        |
|-------------------------|-------|---------------------------------|--------|--------|---------------------------------------------|--------|--------|
| Domestic hot water tank |       | EBV(H/X/Z)(11/16)S18D(j)(6V/9W) |        |        | EBV(H/X/Z)(11/16)S18D(j)(6V/9W)             |        |        |
| Tapping pattern         |       | L                               | L      | XL     | L                                           | L      | XL     |
| Application             |       |                                 |        |        | Average climate (design temperature: -7°C ) |        |        |
| COP <sub>DHW</sub>      | [ ]   | 2.73                            | 2.80   | 2.63   | 2.77                                        | 2.84   | 2.64   |
| η <sub>th</sub>         | [%]   | 115.6%                          | 119.3% | 108.7% | 116.4%                                      | 119.9% | 109.0% |
| AEC                     | [kWh] | 886                             | 858    | 1542   | 879                                         | 854    | 1537   |
| Application             |       |                                 |        |        | Colder climate (design temperature: -2°C )  |        |        |
| COP <sub>DHW</sub>      | [ ]   | 2.24                            | 2.31   | 2.08   | 2.26                                        | 2.33   | 2.09   |
| η <sub>th</sub>         | [%]   | 94.2%                           | 97.3%  | 85.3%  | 94.6%                                       | 97.7%  | 85.5%  |
| AEC                     | [kWh] | 1087                            | 1053   | 1963   | 1082                                        | 1048   | 1959   |
| Application             |       |                                 |        |        | Warmer climate (design temperature: 14°C )  |        |        |
| COP <sub>DHW</sub>      | [ ]   | 3.26                            | 3.46   | 3.00   | 3.32                                        | 3.51   | 3.02   |
| η <sub>th</sub>         | [%]   | 138.8%                          | 147.8% | 124.1% | 139.8%                                      | 148.9% | 124.5% |
| AEC                     | [kWh] | 737                             | 692    | 1349   | 732                                         | 688    | 1345   |

| Indoor Unit        |  | EBS(X/H)(B/-)(11/16)P30DF                   |  |                       | EBS(X/H)(B/-)(11/16)P50DF |  |                       |
|--------------------|--|---------------------------------------------|--|-----------------------|---------------------------|--|-----------------------|
| Outdoor Unit       |  | ERLA(11/14/16)DAV3(7)                       |  | ERLA(11/14/16)DAW1(7) | ERLA(11/14/16)DAV3(7)     |  | ERLA(11/14/16)DAW1(7) |
| Tapping pattern    |  | L                                           |  |                       | XL                        |  |                       |
| Application        |  | Average climate (design temperature: -7 °C) |  |                       |                           |  |                       |
| COP <sub>DHW</sub> |  | 2.73                                        |  | 2.75                  | 3.05                      |  |                       |
| η <sub>th</sub>    |  | 115%                                        |  | 116%                  | 126%                      |  | 128%                  |
| AEC                |  | 890                                         |  | 887                   | 1329                      |  | 1313                  |
| Application        |  | Colder climate (design temperature: -2 °C)  |  |                       |                           |  |                       |
| COP <sub>DHW</sub> |  | 2.32                                        |  | 2.33                  | 2.63                      |  | 2.67                  |
| η <sub>th</sub>    |  | 97%                                         |  | 98%                   | 109%                      |  | 110%                  |
| AEC                |  | 1053                                        |  | 1051                  | 1542                      |  | 1526                  |
| Application        |  | Warmer climate (design temperature: 14 °C)  |  |                       |                           |  |                       |
| COP <sub>DHW</sub> |  | 3.2                                         |  | 3.24                  | 3.68                      |  | 3.76                  |
| η <sub>th</sub>    |  | 136%                                        |  | 137%                  | 153%                      |  | 155%                  |
| AEC                |  | 753                                         |  | 750                   | 1094                      |  | 1078                  |