

## 12. TECHNICAL INFORMATION

### Model SRK63ZR-W

|   |  |           |      |  |        |           |         |
|---|--|-----------|------|--|--------|-----------|---------|
| Information to identify the model(s) to which the information relates to:                             |  |           |      | If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'. |        |           |         |
| Indoor unit model name  |  | SRK63ZR-W |      | Outdoor unit model name  |        | SRC63ZR-W |         |
| Function(indicate if present)   |  |           |      | Average(mandatory)   |        |           |         |
| cooling   |  | Yes       |      | Warmer(if designated)  |        | Yes       |         |
| heating   |  | Yes       |      | Colder(if designated)  |        | No        |         |
| Item  | symbol   | value     | unit | Item   | symbol | value     | class   |
| Design load   |  |           |      | Seasonal efficiency and energy efficiency class  |        |           |         |
| cooling   | Pdesignc   | 6.30      | kW   | cooling  | SEER   | 8.10      | A++     |
| heating / Average   | Pdesignh   | 5.40      | kW   | heating / Average  | SCOP/A | 4.70      | A++     |
| heating / Warmer  | Pdesignh   | 6.60      | kW   | heating / Warmer   | SCOP/W | 6.00      | A+++    |
| heating / Colder  | Pdesignh   | -         | kW   | heating / Colder   | SCOP/C | -         | -       |
|   |  |           |      | unit   |        |           |         |
| Declared capacity at outdoor temperature Tdesignh   |  |           |      | Back up heating capacity at outdoor temperature Tdesignh   |        |           |         |
| heating / Average (-10°C)   | Pdh  | 5.40      | kW   | heating / Average (-10°C)  | elbu   | 0         | kW      |
| heating / Warmer (2°C)  | Pdh  | 6.60      | kW   | heating / Warmer (2°C)   | elbu   | 0         | kW      |
| heating / Colder (-22°C)  | Pdh  | -         | kW   | heating / Colder (-22°C)   | elbu   | -         | kW      |
| Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj              |  |           |      | Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj  |        |           |         |
| Tj=35°C   | Pdc  | 6.30      | kW   | Tj=35°C  | EERd   | 3.87      | -       |
| Tj=30°C   | Pdc  | 4.64      | kW   | Tj=30°C  | EERd   | 5.50      | -       |
| Tj=25°C   | Pdc  | 2.98      | kW   | Tj=25°C  | EERd   | 9.67      | -       |
| Tj=20°C   | Pdc  | 1.60      | kW   | Tj=20°C  | EERd   | 19.00     | -       |
| Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj |  |           |      | Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj  |        |           |         |
| Tj=-7°C   | Pdh  | 4.78      | kW   | Tj=-7°C  | COPd   | 2.93      | -       |
| Tj=2°C  | Pdh  | 2.80      | kW   | Tj=2°C   | COPd   | 4.73      | -       |
| Tj=7°C  | Pdh  | 1.87      | kW   | Tj=7°C   | COPd   | 6.00      | -       |
| Tj=12°C   | Pdh  | 0.94      | kW   | Tj=12°C  | COPd   | 6.50      | -       |
| Tj=bivalent temperature   | Pdh  | 5.40      | kW   | Tj=bivalent temperature  | COPd   | 2.60      | -       |
| Tj=operating limit  | Pdh  | 4.90      | kW   | Tj=operating limit   | COPd   | 2.40      | -       |
| Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj  |  |           |      | Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj   |        |           |         |
| Tj=2°C  | Pdh  | 6.60      | kW   | Tj=2°C   | COPd   | 2.90      | -       |
| Tj=7°C  | Pdh  | 4.25      | kW   | Tj=7°C   | COPd   | 5.54      | -       |
| Tj=12°C   | Pdh  | 1.89      | kW   | Tj=12°C  | COPd   | 7.31      | -       |
| Tj=bivalent temperature   | Pdh  | 6.60      | kW   | Tj=bivalent temperature  | COPd   | 2.90      | -       |
| Tj=operating limit  | Pdh  | 4.90      | kW   | Tj=operating limit   | COPd   | 2.40      | -       |
| Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj  |  |           |      | Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj   |        |           |         |
| Tj=-7°C   | Pdh  | -         | kW   | Tj=-7°C  | COPd   | -         | -       |
| Tj=2°C  | Pdh  | -         | kW   | Tj=2°C   | COPd   | -         | -       |
| Tj=7°C  | Pdh  | -         | kW   | Tj=7°C   | COPd   | -         | -       |
| Tj=12°C   | Pdh  | -         | kW   | Tj=12°C  | COPd   | -         | -       |
| Tj=bivalent temperature   | Pdh  | -         | kW   | Tj=bivalent temperature  | COPd   | -         | -       |
| Tj=operating limit  | Pdh  | -         | kW   | Tj=operating limit   | COPd   | -         | -       |
| Tj=-15°C  | Pdh  | -         | kW   | Tj=-15°C   | COPd   | -         | -       |
| Bivalent temperature  |  |           |      | Operating limit temperature  |        |           |         |
| heating / Average   | Tbiv   | -10       | °C   | heating / Average  | Tol    | -15       | °C      |
| heating / Warmer  | Tbiv   | 2         | °C   | heating / Warmer   | Tol    | -15       | °C      |
| heating / Colder  | Tbiv   | -         | °C   | heating / Colder   | Tol    | -         | °C      |
| Cycling interval capacity   |  |           |      | Cycling interval efficiency  |        |           |         |
| for cooling   | Pcycc  | -         | kW   | for cooling  | EERcyc | -         | -       |
| for heating   | Pcyh   | -         | kW   | for heating  | COPcyc | -         | -       |
| Degradation coefficient   |  |           |      | Degradation coefficient  |        |           |         |
| cooling   | Cdc  | 0.25      | -    | heating  | Cdh    | 0.25      | -       |
| Electric power input in power modes other than 'active mode'  |  |           |      | Annual electricity consumption   |        |           |         |
| off mode  | Poff   | 5         | W    | cooling  | Qce    | 273       | kWh/a   |
| standby mode  | Psb  | 5         | W    | heating / Average  | Qhe    | 1608      | kWh/a   |
| thermostat-off mode   | Pto(cooling)   | 16        | W    | heating / Warmer   | Qhe    | 1539      | kWh/a   |
|   | Pto(heating)   | 17        | W    | heating / colder   | Qhe    | -         | kWh/a   |
| crankcase heater mode   | Pck  | 0         | W    |  |        |           |         |
| Capacity control(indicate one of three options)   |  |           |      | Other items  |        |           |         |
| fixed   |  | No        |      | Sound power level(indoor)  | Lwa    | 56        | dB(A)   |
| staged  |  | No        |      | Sound power level(outdoor)   | Lwa    | 64        | dB(A)   |
| variable  |  | Yes       |      | Global warming potential   | GWP    | 675       | kgCO2eq |
|   |  |           |      | Rated air flow(indoor)   | -      | 1230      | m³/h    |
|   |  |           |      | Rated air flow(outdoor)  | -      | 2490      | m³/h    |
| Contact details for obtaining more information  | Name and address of the manufacturer or of its authorised representative.<br>Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd.<br>5 The Square, Stockley Park, Uxbridge, Middlesex, UB11 1ET, United Kingdom |           |      |  |        |           |         |

## Model SRK80ZR-W

|   |  |           |      |  |        |           |         |
|---|--|-----------|------|--|--------|-----------|---------|
| Information to identify the model(s) to which the information relates to:                             |  |           |      | If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'. |        |           |         |
| Indoor unit model name  |  | SRK80ZR-W |      | Outdoor unit model name  |        | SRC80ZR-W |         |
| Function(indicate if present)   |  |           |      | Average(mandatory)   |        |           |         |
| cooling   |  | Yes       |      | Warmer(if designated)  |        | Yes       |         |
| heating   |  | Yes       |      | Colder(if designated)  |        | No        |         |
| Item  | symbol   | value     | unit | Item   | symbol | value     | class   |
| Design load   |  |           |      | Seasonal efficiency and energy efficiency class  |        |           |         |
| cooling   | Pdesignc   | 8.00      | kW   | cooling  | SEER   | 7.00      | A++     |
| heating / Average   | Pdesignh   | 7.10      | kW   | heating / Average  | SCOP/A | 4.40      | A+      |
| heating / Warmer  | Pdesignh   | 8.40      | kW   | heating / Warmer   | SCOP/W | 5.70      | A+++    |
| heating / Colder  | Pdesignh   | -         | kW   | heating / Colder   | SCOP/C | -         | -       |
|   |  |           |      | unit   |        |           |         |
| Declared capacity at outdoor temperature Tdesignh   |  |           |      | Back up heating capacity at outdoor temperature Tdesignh   |        |           |         |
| heating / Average (-10°C)   | Pdh  | 7.10      | kW   | heating / Average (-10°C)  | elbu   | 0         | kW      |
| heating / Warmer (2°C)  | Pdh  | 8.40      | kW   | heating / Warmer (2°C)   | elbu   | 0         | kW      |
| heating / Colder (-22°C)  | Pdh  | -         | kW   | heating / Colder (-22°C)   | elbu   | -         | kW      |
|   |  |           |      |  |        |           |         |
| Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj              |  |           |      | Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj  |        |           |         |
| Tj=35°C   | Pdc  | 8.00      | kW   | Tj=35°C  | EERd   | 3.83      | -       |
| Tj=30°C   | Pdc  | 5.89      | kW   | Tj=30°C  | EERd   | 5.40      | -       |
| Tj=25°C   | Pdc  | 3.79      | kW   | Tj=25°C  | EERd   | 8.20      | -       |
| Tj=20°C   | Pdc  | 3.30      | kW   | Tj=20°C  | EERd   | 12.40     | -       |
|   |  |           |      |  |        |           |         |
| Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj |  |           |      | Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj  |        |           |         |
| Tj=-7°C   | Pdh  | 6.28      | kW   | Tj=-7°C  | COPd   | 2.70      | -       |
| Tj=2°C  | Pdh  | 3.82      | kW   | Tj=2°C   | COPd   | 4.40      | -       |
| Tj=7°C  | Pdh  | 2.42      | kW   | Tj=7°C   | COPd   | 5.70      | -       |
| Tj=12°C   | Pdh  | 2.65      | kW   | Tj=12°C  | COPd   | 7.20      | -       |
| Tj=bivalent temperature   | Pdh  | 7.10      | kW   | Tj=bivalent temperature  | COPd   | 2.30      | -       |
| Tj=operating limit  | Pdh  | 6.48      | kW   | Tj=operating limit   | COPd   | 2.20      | -       |
|   |  |           |      |  |        |           |         |
| Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj  |  |           |      | Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj   |        |           |         |
| Tj=2°C  | Pdh  | 8.40      | kW   | Tj=2°C   | COPd   | 2.63      | -       |
| Tj=7°C  | Pdh  | 5.40      | kW   | Tj=7°C   | COPd   | 5.21      | -       |
| Tj=12°C   | Pdh  | 2.65      | kW   | Tj=12°C  | COPd   | 7.19      | -       |
| Tj=bivalent temperature   | Pdh  | 8.40      | kW   | Tj=bivalent temperature  | COPd   | 2.63      | -       |
| Tj=operating limit  | Pdh  | 6.48      | kW   | Tj=operating limit   | COPd   | 2.20      | -       |
|   |  |           |      |  |        |           |         |
| Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj  |  |           |      | Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj   |        |           |         |
| Tj=-7°C   | Pdh  | -         | kW   | Tj=-7°C  | COPd   | -         | -       |
| Tj=2°C  | Pdh  | -         | kW   | Tj=2°C   | COPd   | -         | -       |
| Tj=7°C  | Pdh  | -         | kW   | Tj=7°C   | COPd   | -         | -       |
| Tj=12°C   | Pdh  | -         | kW   | Tj=12°C  | COPd   | -         | -       |
| Tj=bivalent temperature   | Pdh  | -         | kW   | Tj=bivalent temperature  | COPd   | -         | -       |
| Tj=operating limit  | Pdh  | -         | kW   | Tj=operating limit   | COPd   | -         | -       |
| Tj=-15°C  | Pdh  | -         | kW   | Tj=-15°C   | COPd   | -         | -       |
|   |  |           |      |  |        |           |         |
| Bivalent temperature  |  |           |      | Operating limit temperature  |        |           |         |
| heating / Average   | Tbiv   | -10       | °C   | heating / Average  | Tol    | -15       | °C      |
| heating / Warmer  | Tbiv   | 2         | °C   | heating / Warmer   | Tol    | -15       | °C      |
| heating / Colder  | Tbiv   | -         | °C   | heating / Colder   | Tol    | -         | °C      |
|   |  |           |      |  |        |           |         |
| Cycling interval capacity   |  |           |      | Cycling interval efficiency  |        |           |         |
| for cooling   | Pcycc  | -         | kW   | for cooling  | EERcyc | -         | -       |
| for heating   | Pcyh   | -         | kW   | for heating  | COPcyc | -         | -       |
|   |  |           |      |  |        |           |         |
| Degradation coefficient   |  |           |      | Degradation coefficient  |        |           |         |
| cooling   | Cdc  | 0.25      | -    | heating  | Cdh    | 0.25      | -       |
|   |  |           |      |  |        |           |         |
| Electric power input in power modes other than 'active mode'  |  |           |      | Annual electricity consumption   |        |           |         |
| off mode  | Poff   | 5         | W    | cooling  | Qce    | 401       | kWh/a   |
| standby mode  | Psb  | 5         | W    | heating / Average  | Qhe    | 2259      | kWh/a   |
| thermostat-off mode   | Pto(cooling)   | 16        | W    | heating / Warmer   | Qhe    | 2064      | kWh/a   |
|   | Pto(heating)   | 17        | W    | heating / colder   | Qhe    | -         | kWh/a   |
| crankcase heater mode   | Pck  | 0         | W    |  |        |           |         |
|   |  |           |      |  |        |           |         |
| Capacity control(indicate one of three options)   |  |           |      | Other items  |        |           |         |
| fixed   |  | No        |      | Sound power level(indoor)  | Lwa    | 60        | dB(A)   |
| staged  |  | No        |      | Sound power level(outdoor)   | Lwa    | 67        | dB(A)   |
| variable  |  | Yes       |      | Global warming potential   | GWP    | 675       | kgCO2eq |
|   |  |           |      | Rated air flow(indoor)   | -      | 1410      | m³/h    |
|   |  |           |      | Rated air flow(outdoor)  | -      | 3780      | m³/h    |
| Contact details for obtaining more information  | Name and address of the manufacturer or of its authorised representative.<br>Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd.<br>5 The Square, Stockley Park, Uxbridge, Middlesex, UB11 1ET, United Kingdom |           |      |  |        |           |         |

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