| SMA-09HRDN1C | | | | | | | |
|---|---|---|---|---|---|---|---|
| Function | | | | | | | |
| Cooling | | | YES | Average Zone | | | YES |
| Heating | | | YES | Warmer Zone | | | - |
| | | | | Colder Zone | | | - |
| Design load | | | | Seasonal efficincy | | | |
| Cooling | Pdc | 2.5 | Kw | Cooling | SEER | 5.7 | Kw |
| Heating/Average Zone | Pdc | 2.1 | Kw | Heating/Average Zone | SCOP/A | 3.9 | Kw |
| Heating/Warmer Zone | Pdc | - | Kw | Heating/Warmer Zone | SCOP/W | - | Kw |
| Heating/Colder Zone | Pdc | - | Kw | Heating/Colder Zone | SCOP/C | - | Kw |
| Cooling | | | | | | | |
| Declared capacity for cooling at indoor temperature 27(19)℃ and outdoor temperature Tj | | | | Declared energy efficiency radio,at indoor temperature 27(19)℃ and outdoor temperature Tj | | | |
| Tj=35° | Pdc | 2.49 | Kw | Tj=35° | EERd | 3.18 | |
| Tj=30° | Pdc | 1.89 | Kw | Tj=30° | EERd | 3.95 | |
| Tj=25° | Pdc | 1.14 | Kw | Tj=25° | EERd | 7.44 | |
| Tj=20° | Pdc | 1.19 | Kw | Tj=20° | EERd | 11.22 | |
| Heating | | | | | | | |
| Declared capacity for cooling at indoor temperature 27(19)℃ and outdoor temperature Tj | | | | Declared energy efficiency radio,at indoor temperature 27(19)℃ and outdoor temperature Tj | | | |
| Tj=-7° | Pdc | 1.88 | Kw | Tj=-7° | COPd | 2.84 | |
| Tj=2° | Pdc | 1.12 | Kw | Tj=2° | COPd | 3.98 | |
| Tj=7° | Pdc | 0.90 | Kw | Tj=7° | COPd | 4.60 | |
| Tj=12° | Pdc | 0.87 | Kw | Tj=12° | COPd | 5.71 | |
| Tj=bivalent temperature | Pdc | 1.88 | Kw | Tj=bivalent temperature | COPd | 2.84 | |
| Tj=operation limit | Pdc | 1.84 | Kw | Tj=operation limit | COPd | 2.62 | |
| Bivalent temperature | | | | Operation limit temperature | | | |
| Heating/Average Zone | Tbiv | -7 | ℃ | Heating/Average Zone | Tbiv | -15 | ℃ |
| Heating/Warmer Zone | Tbiv | / | ℃ | Heating/Warmer Zone | Tbiv | / | ℃ |
| Electric power input in power modes other than active mode | | | | Annual electricity consumption | | | |
| | Poff | 0 | Kw | Cooling | Qct | 153 | KWh/a |
| | Pss | 0.001 | Kw | Heating/Average Zone | Qhe | 753 | KWh/a |
| | Pto | 0.033 | Kw | Heating/Warmer Zone | Qhe | / | KWh/a |
| | Psk | 0 | Kw | Heating/Colder Zone | Qhe | / | KWh/a |
| Capacity control | | | | Annual electricity consumption | | | |
| | symbol | vale | unit | | symbol | vale | unit |
| fixed | - | | | Sound power level(indoor/outdoor) | Lwa | 37/50 | dB(A) |
| staged | - | | | Global warming potential | GWP | 2088 | kgCO2eq. |
| variable | YES | | | Rated air flow(indoor unit) | — | 500 | $m^3/h$ |
| | | | | Rated air flow(outdoor unit) | — | / | $m^3/h$ |