

**Model : NF500SGM**

| Refrigerant fluid:   |                  | R134a | R404A | R407A | R407F | R448A | R449A | R452A |       |
|--|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Item   | Symbol           | Value |       |       |       |       |       |       | Unit  |
| Evaporating temperature*                                       | t                | -10   |       |       |       |       |       |       | °C    |
| Annual electricity consumption                                 | Q                | 10498 | 17281 | 15485 | 17116 | 16373 | 16373 | 16765 | kWh/a |
| Seasonal Energy Performance Ratio                              | SEPR             | 2.90  | 3.08  | 2.97  | 2.89  | 3.00  | 3.00  | 3.01  |       |
| <b>Parameters at full load and ambient temperature 32°C</b>    |                  |       |       |       |       |       |       |       |       |
| Rated cooling capacity   | P <sub>A</sub>   | 4.95  | 8.67  | 7.48  | 8.06  | 7.99  | 7.99  | 8.22  | kW    |
| Rated power input  | D <sub>A</sub>   | 2.67  | 4.42  | 3.98  | 4.38  | 4.17  | 4.17  | 4.36  | kW    |
| Rated COP  | COP <sub>A</sub> | 1.85  | 1.96  | 1.88  | 1.84  | 1.92  | 1.92  | 1.89  |       |
| <b>Parameters at full load and ambient temperature 25°C</b>    |                  |       |       |       |       |       |       |       |       |
| Rated cooling capacity   | P <sub>B</sub>   | 5.49  | 9.78  | 8.35  | 8.90  | 8.87  | 8.87  | 9.25  | kW    |
| Rated power input  | D <sub>B</sub>   | 2.34  | 3.90  | 3.56  | 3.90  | 3.64  | 3.64  | 3.86  | kW    |
| COP  | COP <sub>B</sub> | 2.35  | 2.51  | 2.35  | 2.28  | 2.44  | 2.44  | 2.40  |       |
| <b>Parameters at full load and ambient temperature 15°C</b>    |                  |       |       |       |       |       |       |       |       |
| Rated cooling capacity   | P <sub>C</sub>   | 6.06  | 10.79 | 9.32  | 9.86  | 9.77  | 9.77  | 10.26 | kW    |
| Rated power input  | D <sub>C</sub>   | 2.00  | 3.34  | 3.05  | 3.31  | 3.12  | 3.12  | 3.29  | kW    |
| COP  | COP <sub>C</sub> | 3.03  | 3.23  | 3.06  | 2.98  | 3.13  | 3.13  | 3.12  |       |
| <b>Parameters at full load and ambient temperature 5°C</b>     |                  |       |       |       |       |       |       |       |       |
| Rated cooling capacity   | P <sub>D</sub>   | 6.78  | 12.08 | 10.79 | 11.32 | 11.04 | 11.04 | 11.66 | kW    |
| Rated power input  | D <sub>D</sub>   | 1.64  | 2.74  | 2.45  | 2.65  | 2.58  | 2.58  | 2.63  | kW    |
| COP  | COP <sub>D</sub> | 4.13  | 4.41  | 4.40  | 4.27  | 4.28  | 4.28  | 4.43  |       |
| <b>Parameters at full load and ambient temperature 43°C</b>    |                  |       |       |       |       |       |       |       |       |
| Rated cooling capacity   | P <sub>3</sub>   | 3.97  | 6.93  | 6.11  | 6.74  | 6.61  | 6.61  | 6.60  | kW    |
| Rated power input  | D <sub>3</sub>   | 3.31  | 5.24  | 6.64  | 5.13  | 5.00  | 5.00  | 5.15  | kW    |
| COP  | COP <sub>3</sub> | 1.24  | 1.32  | 1.32  | 1.31  | 1.32  | 1.32  | 1.28  |       |
| <b>Other items</b>   |                  |       |       |       |       |       |       |       |       |
| Capacity control   | Fixed            |       |       |       |       |       |       |       |       |
| Coefficient of degradation for fixed and staged capacity unit* | C <sub>d</sub>   | 0.25  |       |       |       |       |       |       |       |