

**Model : NF500SGL**

Refrigerant fluid:		R134a	R404A	R407A	R407F	R448A	R449A	R452A	
Item	Symbol	Value							Unit
Evaporating temperature*	t	-35							°C
Annual electricity consumption	Q	8513	14048	13606	14638	13238	13238	12558	kWh/a
Seasonal Energy Performance Ratio	SEPR	1.52	1.61	1.45	1.46	1.59	1.59	1.62	
<b>Parameters at full load and ambient temperature 32°C</b>									
Rated cooling capacity	P <sub>A</sub>	1.74	3.04	2.65	2.87	2.83	2.83	2.95	kW
Rated power input	D <sub>A</sub>	2.16	3.58	3.47	3.73	3.51	3.51	3.58	kW
Rated COP	COP <sub>A</sub>	0.81	0.85	0.76	0.77	0.81	0.81	0.82	
<b>Parameters at full load and ambient temperature 25°C</b>									
Rated cooling capacity	P <sub>B</sub>	1.97	3.50	3.05	3.28	3.24	3.24	3.40	kW
Rated power input	D <sub>B</sub>	1.78	2.97	2.87	3.05	2.86	2.86	2.96	kW
COP	COP <sub>B</sub>	1.11	1.18	1.06	1.08	1.13	1.13	1.15	
<b>Parameters at full load and ambient temperature 15°C</b>									
Rated cooling capacity	P <sub>C</sub>	2.22	3.95	3.44	3.68	3.62	3.62	3.84	kW
Rated power input	D <sub>C</sub>	1.40	2.34	2.27	2.40	2.20	2.20	2.28	kW
COP	COP <sub>C</sub>	1.59	1.69	1.52	1.53	1.65	1.65	1.68	
<b>Parameters at full load and ambient temperature 5°C</b>									
Rated cooling capacity	P <sub>D</sub>	2.46	4.38	3.81	4.05	3.98	3.98	4.27	kW
Rated power input	D <sub>D</sub>	1.17	1.96	1.90	2.02	1.77	1.77	1.85	kW
COP	COP <sub>D</sub>	2.10	2.23	2.01	2.00	2.25	2.25	2.31	
<b>Parameters at full load and ambient temperature 43°C</b>									
Rated cooling capacity	P <sub>3</sub>	1.33	2.32	2.02	2.23	2.19	2.19	2.24	kW
Rated power input	D <sub>3</sub>	2.78	4.54	4.41	4.80	4.53	4.53	4.55	kW
COP	COP <sub>3</sub>	0.48	0.51	0.46	0.46	0.48	0.48	0.49	
<b>Other items</b>									
Capacity control	Fixed								
Coefficient of degradation for fixed and staged capacity unit*	C <sub>d</sub>	0.25							