



COOLING MODE

Model	: PERS.052G
Outdoor side heat exchanger	: Air
Indoor side heat exchanger	: Air
Type	: Compressor driven vapour compression
Driver of the compressor	: Electric Motor

Rated cooling capacity [kW] - $P_{rated,c}$	30,98
Seasonal space cooling energy efficiency [%] - $\eta_{s,c}$	185,6
Seasonal energy efficiency ratio - SEER	4,72
Sound power level, outdoor [dB] - L_{WA}	86

Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°C/19°C (Dry/Wet bulb)		
Pdc		
	Value	Unit
$T_j = + 35\text{ °C}$	30,98	[kW]
$T_j = + 30\text{ °C}$	22,19	[kW]
$T_j = + 25\text{ °C}$	14,33	[kW]
$T_j = + 20\text{ °C}$	12,74	[kW]

Declared efficiency of performance for part load at given outdoor temperature T_j		
EER _d		
	Value	Unit
$T_j = + 35\text{ °C}$	2,94	-
$T_j = + 30\text{ °C}$	4,03	-
$T_j = + 25\text{ °C}$	5,33	-
$T_j = + 20\text{ °C}$	6,54	-

Degradation coefficient, for each part load condition where it is relevant ¹ - C_{dc}	0,25
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Power input in modes other than active mode					
Off mode - P_{OFF}	0,00	[kW]	Crankcase heater mode - P_{CK}	0,00	[kW]
Thermostat-off mode - P_{TO}	0,02	[kW]	Standby mode - P_{SB}	0,03	[kW]

Capacity control	Staged
GWP of the refrigerant, kg CO ₂ eq [100 years]	2088
For air-to-air air conditioner: Airflow rate, outdoor measured [m ³ /h]	19355

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¹ If C_{dc} is not determined by measurement then the default degradation coefficient air conditioners shall be 0,25.