



COOLING MODE

Model	: PERS.144M
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] - $P_{rated,c}$	87,22
Seasonal space cooling energy efficiency [%] - $\eta_{s,c}$	208,1
Seasonal energy efficiency ratio - SEER	5,28
Sound power level, outdoor [dB] - L_{WA}	84

Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°C/19°C (Dry/Wet bulb)		
Pdc		
	Value	Unit
$T_j = + 35\text{ °C}$	87,22	[kW]
$T_j = + 30\text{ °C}$	66,30	[kW]
$T_j = + 25\text{ °C}$	40,59	[kW]
$T_j = + 20\text{ °C}$	41,70	[kW]

Declared efficiency of performance for part load at given outdoor temperature T_j		
EER _d		
	Value	Unit
$T_j = + 35\text{ °C}$	3,35	-
$T_j = + 30\text{ °C}$	4,37	-
$T_j = + 25\text{ °C}$	6,13	-
$T_j = + 20\text{ °C}$	7,15	-

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]	466
For air-to-air air conditioner: Airflow rate, outdoor measured [m ³ /h]	39690

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