

## COOLING MODE

Model	: PERS.144G
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] - $P_{rated,c}$	88,93
Seasonal space cooling energy efficiency [%] - $\eta_{s,c}$	202,1
Seasonal energy efficiency ratio - SEER	5,13
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
$T_j = + 35 \text{ }^{\circ}\text{C}$	88,93	[kW]
$T_j = + 30 \text{ }^{\circ}\text{C}$	68,28	[kW]
$T_j = + 25 \text{ }^{\circ}\text{C}$	42,39	[kW]
$T_j = + 20 \text{ }^{\circ}\text{C}$	44,04	[kW]

Declared efficiency of performance for part load at given outdoor temperature $T_j$		
EER <sub>d</sub>		
	Value	Unit
$T_j = + 35 \text{ }^{\circ}\text{C}$	3,20	-
$T_j = + 30 \text{ }^{\circ}\text{C}$	4,20	-
$T_j = + 25 \text{ }^{\circ}\text{C}$	5,98	-
$T_j = + 20 \text{ }^{\circ}\text{C}$	7,13	-

Degradation coefficient, for each part load condition where it is relevant <sup>1</sup> - $C_{dc}$	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 <sub>2</sub> eq [100 years]	2088
For air-to-air air conditioner: Airflow rate, outdoor measured [m <sup>3</sup> /h]	39690

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<sup>1</sup> If Cdc is not determined by measurement then the default degradation coefficient air conditioners shall be 0,25.