COOLING MODE

Model	: PERS.052M
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] - $P_{rated,c}$	29,69
Seasonal space cooling energy efficiency [%] - $\eta_{s,c}$	186,7
Seasonal energy efficiency ratio - SEER	4,74
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/Welt bulb)		
Pdc		
	Value	Unit
T_j = + 35 °C	29,69	[kW]
T_j = + 30 °C	21,19	[kW]
T_j = + 25 °C	13,41	[kW]
T_j = + 20 °C	11,75	[kW]

Declared efficiency of performance for part load at given outdoor temperature T_j		
EER_d		
	Value	Unit
T_j = + 35 °C	3,04	-
T_j = + 30 °C	4,15	-
T_j = + 25 °C	5,30	-
T_j = + 20 °C	6,43	-

Degradation coefficient, for each part load condition where it is relevant[1] - C_{dc}	0,25

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]	19355

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[1] If Cdc is not determined by measurement then the default degradation coefficient air conditioners shall be 0,25.