



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] - $P_{rated,c}$	30,02
Seasonal space cooling energy efficiency [%] - $\eta_{s,c}$	188,7
Seasonal energy efficiency ratio - SEER	4,79
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
$T_j = + 35\text{ °C}$	30,02	[kW]
$T_j = + 30\text{ °C}$	21,44	[kW]
$T_j = + 25\text{ °C}$	13,52	[kW]
$T_j = + 20\text{ °C}$	11,85	[kW]

Declared efficiency of performance for part load at given outdoor temperature T_j		
EER _d		
	Value	Unit
$T_j = + 35\text{ °C}$	3,05	-
$T_j = + 30\text{ °C}$	4,18	-
$T_j = + 25\text{ °C}$	5,37	-
$T_j = + 20\text{ °C}$	6,52	-

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

İmbat Soğutma Isıtma Makina Sanayi ve Ticaret A.Ş. KOSBİ Mh, 62. Sk. no:14, 35371 Kemalpaşa/İzmir Pbx: +90 232 877 21 01 www.imbat.com
--

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