

Information requirements for air-to-air air conditioners

Model(s):	IH140
Outdoor side heat exchanger:	air
Indoor side heat exchanger:	air
Type:	compressor driven vapour compression
Driver of compressor:	electric motor

Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	139.9	kW
Declared cooling capacity for part load at given outdoor temperatures Tj			
T j = +35 °C	P_{dc}	139.9	kW
T j = + 30 °C	P_{dc}	103.1	kW
T j = + 25 °C	P_{dc}	66.3	kW
T j = + 20 °C	P_{dc}	29.4	kW
Degradation co-efficient (**)	C_{dc}	0.25	—

Item	Symbol	Value	Unit
Seasonal space cooling energy efficiency	$\eta_{s,c}$	190.0	%
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
T j = +35 °C	EER_d	3.28	kW/kW
T j = + 30 °C	EER_d	4.78	kW/kW
T j = + 25 °C	EER_d	6.79	kW/kW
T j = + 20 °C	EER_d	7.67	kW/kW

Power consumption in modes other than 'active mode'

Off mode	P_{OFF}	0.000	kW
Thermostat-off mode	P_{TO}	0.360	kW

Crankcase heater mode	P_{CK}	0.360	kW
Standby mode	P_{SB}	0.400	kW

Other items

Capacity control	Staged		
Sound power level, outdoor	L_{WA}		dB(A)
GWP of the refrigerant		2088	kg CO2 eq (100 years)

air flow rate, outdoor measured	—	52032	m ³ /h
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(*) If Cdc is not determined by measurement then the default degradation coefficient of air-conditioners shall be 0,25.