

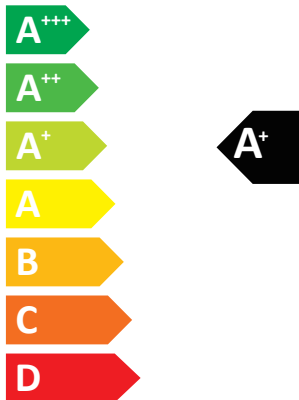


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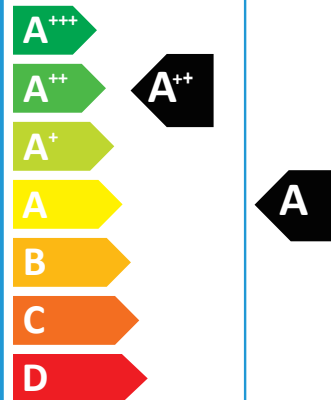
Haier AD140S2SM9FA(H)/1U140S2SN1FB

SEER



kW 13,4
SEER 5,64
kWh/annum 832

SCOP



kW 5,0
SCOP 4,93
kWh/annum 1276

8,5
3,96
3003

x
x
x



66dB



72dB



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626/2011

Information requirements for heat pumps

Information to identify the model(s) to which the information relates:

Outdoor : 1U140S2SN1FB

Indoor : AD140S2SM9FA(H)

Outdoor side heat exchanger of heat pump: air

Indoor side heat exchanger of heat pump: air

Indication if the heater is equipped with a supplementary heater: NO
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If applicable: driver of compressor: electric motor

Climate type: average heating season

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{\text{rated,h}}$	15	kW	Seasonal space heating energy efficiency	$\eta_{\text{s,h}}$	185.1	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	7.52	kW	$T_j = -7\text{ °C}$	COP_{d}	2.52	w/w
$T_j = +2\text{ °C}$	P_{dh}	4.62	kW	$T_j = +2\text{ °C}$	COP_{d}	3.91	w/w
$T_j = +7\text{ °C}$	P_{dh}	3.01	kW	$T_j = +7\text{ °C}$	COP_{d}	4.92	w/w
$T_j = +12\text{ °C}$	P_{dh}	3.20	kW	$T_j = +12\text{ °C}$	COP_{d}	6.04	w/w
T_{biv} = bivalent temperature	P_{dh}	8.50	kW	T_{biv} = bivalent temperature	COP_{d}	2.38	w/w
T_{OL} = operation limit	P_{dh}	8.50	kW	T_{OL} = operation limit	COP_{d}	2.38	w/w
Bivalent temperature	T_{biv}	-10	°C	Degradation co-efficient heat pumps	C_{dh}	0.25	—
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0	kW	Back-up heating capacity	elbu	0	kW
Thermostat-off mode	P_{TO}	0.02	kW	Type of energy input	electric energy		
Crankcase heater mode	P_{CK}	0	kW	Standby mode	P_{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: air flow rate, outdoor measured	—	4700	m ³ /h
Sound power level, indoor/outdoor measured	L_{WA}	66/72	dB	GWP of the refrigerant	675	kg CO ₂ eq (100 years)	
Contact details	Please visit www.haier.com for further information						

Information requirements for air-to-air air conditioners

Outdoor : 1U140S2SN1FB
Indoor : AD140S2SM9FA(H)

Indoor side heat exchanger of air conditioner: air

Type: compressor driven vapour compression or sorption process: vapour compression

If applicable: driver of compressor: electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{\text{rated,c}}$	13.4	kW	Seasonal space cooling energy efficiency	$\eta_{\text{s,c}}$	266.5	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19 °C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = + 35\text{ °C}$	P_{dc}	13.40	kW	$T_j = + 35\text{ °C}$	EER_{d}	2.59	w/w
$T_j = + 30\text{ °C}$	P_{dc}	9.92	kW	$T_j = + 30\text{ °C}$	EER_{d}	4.32	w/w
$T_j = + 25\text{ °C}$	P_{dc}	6.31	kW	$T_j = + 25\text{ °C}$	EER_{d}	6.53	w/w
$T_j = + 20\text{ °C}$	P_{dc}	3.70	kW	$T_j = + 20\text{ °C}$	EER_{d}	10.40	w/w
Degradation co-efficient heat pumps	C_{dh}	0.25	—				

Power consumption in modes other than 'active mode'

Off mode	P _{OFF}	0	kW		Crankcase heater mode	P _{CK}	0	kW
Thermostat-off mode	P _{TO}	0.02	kW		Standby mode	P _{SB}	0.009	kW

Other items

Capacity control	variable				For air-to-air heat pumps: air flow rate, outdoor measured	—	4700	m3/h
Sound power level, indoor/outdoor measured	LWA	66/72	dB		GWP of the refrigerant	675	kg CO2 eq (100 years)	

Contact details	Please visit www.haier.com for further information
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