



ENERG
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Y IJA
IE IA

Haier AD35S2SM9FA(H)/ 1U35S2SM1FA-2

SEER



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

A⁺⁺

kW 3,5
SEER 6,10
kWh/annum 215

SCOP



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

A⁺⁺⁺

A⁺⁺

A⁺

kW 1,6 2,7 x
SCOP 5,32 4,0 x
kWh/annum 417 1020 x



55dB



61dB



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626/2011

Information requirements for heat pumps

Outdoor : 1U35S2SM1FA-2
Indoor: AD35S2SM9FA(H)

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	4.0	kW	Seasonal space heating energy efficiency	η _{s,h}	58.4	%
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 °C	P _{dh}	2.65	kW	T _j = − 7 °C	COP _d	2.78	w/w
T _j = + 2 °C	P _{dh}	1.65	kW	T _j = + 2 °C	COP _d	4.25	w/w
T _j = + 7 °C	P _{dh}	1.15	kW	T _j = + 7 °C	COP _d	5.23	w/w
T _j = + 12 °C	P _{dh}	1.05	kW	T _j = + 12 °C	COP _d	5.90	w/w
T _{biv} = bivalent temperature	P _{dh}	3.25	kW	T _{biv} = bivalent temperature	COP _d	2.45	w/w
T _{OL} = operation limit	P _{dh}	3.25	kW	T _{OL} = operation limit	COP _d	2.45	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}	0.008	kW	Type of energy input	electric energy		
Crankcase heater mode	P _{CK}	0	kW	Standby mode	P _{SB}	0.003	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: air flow rate, outdoor measured	—	2000	m ³ /h
Sound power level, indoor/outdoor measured	L _{WA}	55/61	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

Information to identify the model(s) to which the information relates:
Outdoor : 1U35S2SM1FA-2
Indoor: AD35S2SM9FA(H)

Outdoor side heat exchanger of air conditioner: air

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	$P_{\text{rated,c}}$	3.5	kW	Seasonal space cooling energy efficiency	$\eta_{\text{s,c}}$	88.8	%
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}	3.5	kW	$T_j = + 35\text{ °C}$	EER_{d}	3.23	w/w
$T_j = + 30\text{ °C}$	P_{dc}	2.65	kW	$T_j = + 30\text{ °C}$	EER_{d}	5.42	w/w
$T_j = + 25\text{ °C}$	P_{dc}	1.64	kW	$T_j = + 25\text{ °C}$	EER_{d}	8.92	w/w
$T_j = + 20\text{ °C}$	P_{dc}	0.98	kW	$T_j = + 20\text{ °C}$	EER_{d}	12.5	w/w
Degradation co-efficient heat pumps	C_{dh}		—				

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}	0.008	kW		Standby mode	P_{SB}	0.003	kW

Other items

Capacity control	variable				For air-to-air heat pumps: air flow rate, outdoor measured	—	2000	m3/h
Sound power level, indoor/outdoor measured	LWA	55/61	dB		GWP of the refrigerant	675	kg CO2 eq (100 years)	

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