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AD160S2SM3FA(H)/  
1U160S2SP1FB

SEER



A+++

A++

A+

A

B

C


D

A+


kW 16.0

SEER 5.94

kWh/annum 943




67dB



72dB

SCOP



A+++

A++

A+

A

B

C

D

A++

A+

kW 5.96

SCOP 5.0

kWh/annum 1665

11.0


4.06

3798

X

X

X



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## Information requirements for heat pumps

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

**Outdoor : 1U160S2SP1FB**

**Indoor: AD160S2SM3FA (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

If applicable: driver of compressor: electric motor

Climate type: average heating season

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P <sub>rated,h</sub>	17.0	kW	Seasonal space heating energy efficiency	η <sub>s,h</sub>	190.3	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T <sub>j</sub>			
T <sub>j</sub> = − 7 °C	P <sub>dh</sub>	9.69	kW	T <sub>j</sub> = − 7 °C	COP <sub>d</sub>	2.61	w/w
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	5.96	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	4.03	w/w
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	3.89	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.99	w/w
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	3.12	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub>	5.84	w/w
T <sub>biv</sub> = bivalent temperature	P <sub>dh</sub>	11.0	kW	T <sub>biv</sub> = bivalent temperature	COP <sub>d</sub>	2.42	w/w
T <sub>OL</sub> = operation limit	P <sub>dh</sub>	11.0	kW	T <sub>OL</sub> = operation limit	COP <sub>d</sub>	2.42	w/w
Bivalent temperature	T <sub>biv</sub>	-10	°C	Degradation co-efficient heat pumps	C <sub>dh</sub>	0.25	—
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P <sub>OFF</sub>	0	kW	Back-up heating capacity	elbu	0	kW
Thermostat-off mode	P <sub>TO</sub>	0.06	kW	Type of energy input	electric energy		
Crankcase heater mode	P <sub>CK</sub>	0	kW	Standby mode	P <sub>SB</sub>	0.013	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: air flow rate, outdoor measured	—	7400	m³/h
Sound power level, indoor/outdoor measured	L <sub>WA</sub>	67/72	dB	GWP of the refrigerant	675	kg CO <sub>2</sub> eq (100 years)	
Contact details	Please visit <a href="http://www.haier.com">www.haier.com</a> for further information						

**0150544330**

## Information requirements for air-to-air air conditioners

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

**Outdoor : 1U160S2SP1FB**

**Indoor: AD160S2SM3FA (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 <sub>rated,c</sub>	16.0	kW		Seasonal space cooling energy efficiency	η <sub>s,c</sub>	279.9	%
Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> 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 <sub>j</sub>			
T <sub>j</sub> = + 35 °C	P <sub>dc</sub>	16.0	kW		T <sub>j</sub> = + 35 °C	EER <sub>d</sub>	2.92	w/w
T <sub>j</sub> = + 30 °C	P <sub>dc</sub>	11.85	kW		T <sub>j</sub> = + 30 °C	EER <sub>d</sub>	4.61	w/w
T <sub>j</sub> = + 25 °C	P <sub>dc</sub>	7.52	kW		T <sub>j</sub> = + 25 °C	EER <sub>d</sub>	6.42	w/w
T <sub>j</sub> = + 20 °C	P <sub>dc</sub>	3.69	kW		T <sub>j</sub> = + 20 °C	EER <sub>d</sub>	11.5	w/w
Degradation co-efficient heat pumps	C <sub>dh</sub>	0.25	—					
Power consumption in modes other than ‘active mode’								
Off mode	P <sub>OFF</sub>	0	kW		Crankcase heater mode	P <sub>CK</sub>	0	kW
Thermostat-off mode	P <sub>TO</sub>	0.06	kW		Standby mode	P <sub>SB</sub>	0.013	kW
Other items								
Capacity control	variable				For air-to-air heat pumps: air flow rate, outdoor measured	—	7400	m3/h
Sound power level, indoor/outdoor measured	LWA	67/72	dB		GWP of the refrigerant	675	kg CO2 eq (100 years)	
Contact details	Please visit <a href="http://www.haier.com">www.haier.com</a> for further information							

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