

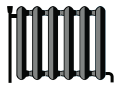


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Air Site®

GREENMASTER - HP-3-16-12



55 °C

35 °C



A++

A++



63 dB



dB

■ 35
■ **37**
■ 33
kW

■ 35
■ **37**
■ 33
kW



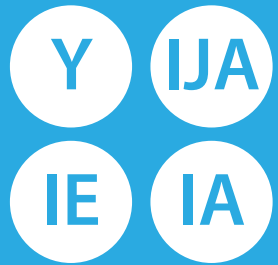
2015

811/2013



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Air-Site®

GREENMASTER - HP-3-16-12

 35 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

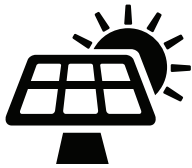
D

E

F

G

+



+



+



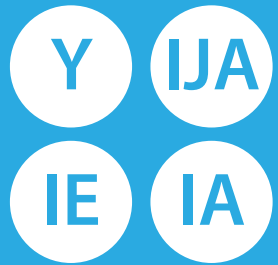
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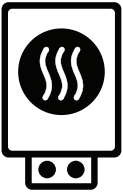

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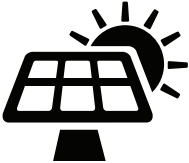


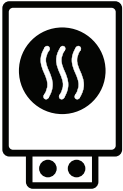


Air-Site®

GREENMASTER - HP-3-16-12

 55 °C

- + 
- + 
- + 
- + 






















Product fiche

Supplier's name:	Air-Site		
Model:	GreenMaster - HP-3-16-12		
Temperature application	35	55	°C
Declared load profile for water heating			
Seasonal space heating energy efficiency class, average climate:	A++	A++	
Water heating energy efficiency class, average climate:			
Rated heat output, average climate:	37	37	kW
Annual energy consumption for space heating, average climate	17639	19510	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	170	154	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	63	63	dB
Rated heat output, cold climate:	35	35	kW
Rated heat output, warm climate:	33	33	kW
Annual energy consumption for space heating, cold climate	17322	20047	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	9306	10617	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	196	169	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	187	163	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors	-	-	dB

Data for package fiche

Controller class	IV		
Controller contribution to efficiency	2		%
Seasonal space heating energy efficiency of package, average climate:	172	156	%
Seasonal space heating energy efficiency class for package, average climate:	A++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	198	171	%
Seasonal space heating energy efficiency of package, warm climate:	189	165	%

Model(s):		GreenMaster - HP-3-16-12										
Type of heat source/sink:		Exhaust air-to-water										
Low-temperature heat pump:		No										
Equipped with supplementary heater:		No										
Heat pump combination heater:		No										
Climate condition:		Average										
Temperature application:		Medium temperature (55 °C)										
Applied standards: EN14825, EN14511 and EN12102												
Rated heat output		Prated	37,0	kW	Seasonal space heating energy efficiency		η_s	154	%			
<i>Declared capacity for part load at outdoor temperature Tj</i>				<i>Declared coefficient of performance for part load at outdoor temperature Tj</i>								
Tj = -7 °C	Pdh	24,5	kW	Tj = -7 °C	COPd	3,47	kW					
Tj = +2 °C	Pdh	20,0	kW	Tj = +2 °C	COPd	4,34	kW					
Tj = +7 °C	Pdh	12,9	kW	Tj = +7 °C	COPd	5,10	kW					
Tj = +12 °C	Pdh	7,9	kW	Tj = +12 °C	COPd	5,78	kW					
Tj = biv	Pdh	22,8	kW	Tj = biv	COPd	4,10	kW					
Tj = TOL	Pdh	25,0	kW	Tj = TOL	COPd	3,26	kW					
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW					
Bivalent temperature				T _{biv}	0	°C	Operation limit temperature					
Cycling interval capacity for heating				P _{cyh}		kW	Cycling interval efficiency					
Degradation co-efficient				Cdh	0,96	-	Heating water operating limit					
				WTOL							65	°C
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>								
Off mode	P _{OFF}	0,012	kW	Rated heat output		P _{sup}	0,0	kW				
Thermostat-off mode	P _{TO}	0,145	kW									
Standby mode	P _{SB}	0,01	kW	Type of energy input		-						
Crankcase heater mode	P _{CK}	0,09	kW									
<i>Other items</i>												
Capacity control	variable			Rated air flow rate, outdoors		2880		m ³ /h				
Sound power level, indoors/outdoors	L _{WA}	63/-	dB									
Annual energy consumption	Q _{HE}	19510	kWh	Rated brine or water flow rate, outdoor heat exchanger		-		m ³ /h				
<i>For heat pump combination heater:</i>												
Declared load profile				Water heating energy efficiency		η_{wh}			%			
Daily electricity consumption	Q _{elec}		kWh	Daily fuel consumption		Q _{fuel}			kWh			
Annual electricity consumption	AEC		kWh	Annual fuel consumption		AFC			GJ			
Approved by:												
Contact details		Air-Site AB - Elementvägen 1 - 437 36 Lindome - Sweden										