



ENERG
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Y IJA
IE IA

Air Site®

GREENMASTER - HP-3-12-12



55 °C

35 °C



A++

A++



62 dB



dB

■ 30
■ **31**
■ 28
kW

■ 30
■ **31**
■ 28
kW



2015

811/2013



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Air-Site®

GREENMASTER - HP-3-12-12

 35 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

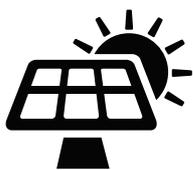
D

E

F

G

+



+



+



+





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Air-Site®

GREENMASTER - HP-3-12-12

 55 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

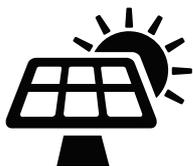
D

E

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G

+



+



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Product fiche

Supplier's name:	Air-Site		
Model:	GreenMaster - HP-3-12-12		
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:	31	31	kW
Annual energy consumption for space heating, average climate	14661	16085	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	172	156	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	62	62	dB
Rated heat output, cold climate:	30	30	kW
Rated heat output, warm climate:	28	28	kW
Annual energy consumption for space heating, cold climate	14833	17102	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	7961	8943	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	196	170	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	185	164	%
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:	174	158	%
Seasonal space heating energy efficiency class for package, average climate:	A++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	198	172	%
Seasonal space heating energy efficiency of package, warm climate:	187	166	%

Model(s):		GreenMaster - HP-3-12-12									
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	31,0	kW	Seasonal space heating energy efficiency		η_s	156	%		
<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	20,8	kW	Tj = -7 °C	COPd	3,53	kW				
Tj = +2 °C	Pdh	16,8	kW	Tj = +2 °C	COPd	4,41	kW				
Tj = +7 °C	Pdh	10,8	kW	Tj = +7 °C	COPd	5,18	kW				
Tj = +12 °C	Pdh	4,8	kW	Tj = +12 °C	COPd	5,83	kW				
Tj = biv	Pdh	19,2	kW	Tj = biv	COPd	4,13	kW				
Tj = TOL	Pdh	21,4	kW	Tj = TOL	COPd	3,32	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		COP _{cyh}	-	
Degradation co-efficient				Cdh	0,94	-	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}	0,13	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			2520	m ³ /h			
Sound power level, indoors/outdoors	L _{WA}	62/-	dB								
Annual energy consumption	Q _{HE}	16085	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									