

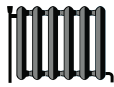


ENERG
енергия · ενεργεια



Air Site®

GREENMASTER - HP-3-16-15



55 °C

35 °C



A++

A++



65 dB



dB

■ 38

■ **38**

■ 38

kW

■ 38

■ **38**

■ 38

kW



2015

811/2013



ENERG

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Y

IJA

IE

IA

Air-Site®

GREENMASTER - HP-3-16-15

 35 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

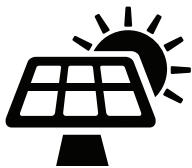
D

E

F

G

+



+



+



+





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Y

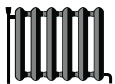
IJA

IE

IA

Air-Site®

GREENMASTER - HP-3-16-15



55 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

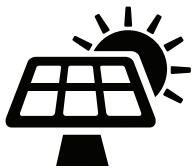
D

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Product fiche

Supplier's name:	Air-Site		
Model:	GreenMaster - HP-3-16-15		
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:	38	38	kW
Annual energy consumption for space heating, average climate	17189	20119	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	180	153	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	65	65	dB
Rated heat output, cold climate:	38	38	kW
Rated heat output, warm climate:	38	38	kW
Annual energy consumption for space heating, cold climate	18984	22397	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	11070	12896	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	194	164	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	180	154	%
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:	182	155	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	196	166	%
Seasonal space heating energy efficiency of package, warm climate:	182	156	%

Model(s):		GreenMaster - HP-3-16-15							
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	38,0	kW	Seasonal space heating energy efficiency		η_s	153	%
<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	26,4	kW	Tj = -7 °C	COPd	3,40	kW		
Tj = +2 °C	Pdh	23,9	kW	Tj = +2 °C	COPd	4,09	kW		
Tj = +7 °C	Pdh	13,2	kW	Tj = +7 °C	COPd	5,06	kW		
Tj = +12 °C	Pdh	8,0	kW	Tj = +12 °C	COPd	5,63	kW		
Tj = biv	Pdh	24,9	kW	Tj = biv	COPd	3,84	kW		
Tj = TOL	Pdh	27,2	kW	Tj = TOL	COPd	3,22	kW		
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW		
Bivalent temperature				T _{biv}	-1	°C		Operation limit temperature	
Cycling interval capacity for heating				P _{cyh}		kW		Cycling interval efficiency	
Degradation co-efficient				Cdh	0,95	-		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}	0,16	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			3240	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	65/-	dB						
Annual energy consumption	Q _{HE}	20119	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							