



**ENERG**  
енергия · ενεργεια



Air Site®

GREENMASTER - HP-5-16-30



55 °C

35 °C



**A++**

**A++**



**67** dB



dB

■ 69  
■ **69**  
■ 65  
kW

■ 69  
■ **69**  
■ 65  
kW



2015

811/2013



# ENERG

енергия · ενεργεια

Y

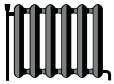
IJA

IE

IA

Air-Site®

## GREENMASTER - HP-5-16-30



35 °C



A<sup>++</sup>

A<sup>+++</sup>

A<sup>++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

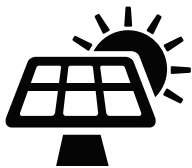
D

E

F

G

+



+



+



+





# ENERG

енергия · ενέργεια

Y

IJA

IE

IA

Air-Site®

## GREENMASTER - HP-5-16-30

 55 °C



A<sup>++</sup>

A<sup>+++</sup>

A<sup>+++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

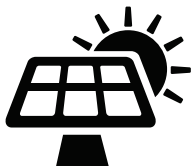
D

E

F

G

+



+



+



+




## Product fiche

Supplier's name:	Air-Site		
Model:	GreenMaster - HP-5-16-30		
Temperature application	35	55	°C
Declared load profile for water heating			
Seasonal space heating energy efficiency class, average climate:	<b>A++</b>	<b>A++</b>	
Water heating energy efficiency class, average climate:			
Rated heat output, average climate:	69	69	kW
Annual energy consumption for space heating, average climate	33503	37056	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	167	151	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	67	67	dB
Rated heat output, cold climate:	69	69	kW
Rated heat output, warm climate:	65	65	kW
Annual energy consumption for space heating, cold climate	35372	40739	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	18590	21478	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	189	164	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	184	159	%
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:	169	153	%
Seasonal space heating energy efficiency class for package, average climate:	<b>A++</b>	<b>A+++</b>	%
Seasonal space heating energy efficiency of package, cold climate:	191	166	%
Seasonal space heating energy efficiency of package, warm climate:	186	161	%

<b>Model(s):</b>		<b>GreenMaster - HP-5-16-30</b>							
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									
<b>Rated heat output</b>		Prated	69,0	kW	<b>Seasonal space heating energy efficiency</b>		$\eta_s$	151	%
<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	47,5	kW	Tj = -7 °C	COPd	3,40	kW		
Tj = +2 °C	Pdh	40,8	kW	Tj = +2 °C	COPd	4,22	kW		
Tj = +7 °C	Pdh	37,0	kW	Tj = +7 °C	COPd	4,86	kW		
Tj = +12 °C	Pdh	10,9	kW	Tj = +12 °C	COPd	6,19	kW		
Tj = biv	Pdh	45,3	kW	Tj = biv	COPd	3,89	kW		
Tj = TOL	Pdh	48,9	kW	Tj = TOL	COPd	3,20	kW		
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW		
Bivalent temperature				T <sub>biv</sub>	-1	°C		Operation limit temperature	
Cycling interval capacity for heating				P <sub>cyh</sub>		kW		Cycling interval efficiency	
Degradation co-efficient				Cdh	0,97	-		Heating water operating limit	
								WTOL	
						65		°C	
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>					
Off mode	P <sub>OFF</sub>	0,012	kW	Rated heat output		P <sub>sup</sub>	0,0	kW	
Thermostat-off mode	P <sub>TO</sub>	0,19	kW						
Standby mode	P <sub>SB</sub>	0,01	kW	Type of energy input		-			
Crankcase heater mode	P <sub>CK</sub>	0,09	kW						
<i>Other items</i>									
Capacity control	variable			Rated air flow rate, outdoors			5400	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	67/-	dB						
Annual energy consumption	Q <sub>HE</sub>	37056	kWh	Rated brine or water flow rate, outdoor heat exchanger			-	m <sup>3</sup> /h	
<i>For heat pump combination heater:</i>									
<b>Declared load profile</b>				<b>Water heating energy efficiency</b>		$\eta_{wh}$		%	
Daily electricity consumption	Q <sub>elec</sub>		kWh	Daily fuel consumption		Q <sub>fuel</sub>		kWh	
Annual electricity consumption	AEC		kWh	Annual fuel consumption		AFC		GJ	
<b>Approved by:</b>									
<b>Contact details</b>		<b>Air-Site AB - Elementvägen 1 - 437 36 Lindome - Sweden</b>							