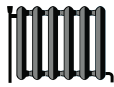




ENERG Y IJA
 енергия · ενεργεια IE IA

Air Site®

GREENMASTER - HP-4-16-30



55 °C

35 °C



A++

A++



70 dB



dB

■ 64
 ■ **64**
 ■ 64
 kW

■ 64
 ■ **64**
 ■ 64
 kW



2015

811/2013



ENERG

енергия · ενέργεια

Y

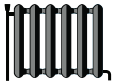
IJA

IE

IA

Air-Site®

GREENMASTER - HP-4-16-30



35 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

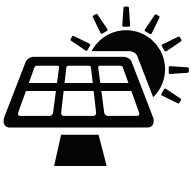
D

E

F

G

+



+



+



+





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Y

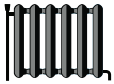
IJA

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Air-Site®

GREENMASTER - HP-4-16-30



55 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

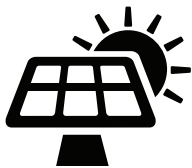
D

E

F

G

+



+



+



+




Product fiche

Supplier's name:	Air-Site		
Model:	GreenMaster - HP-4-16-30		
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:	64	64	kW
Annual energy consumption for space heating, average climate	29407	33618	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	177	154	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	70	70	dB
Rated heat output, cold climate:	64	64	kW
Rated heat output, warm climate:	64	64	kW
Annual energy consumption for space heating, cold climate	32785	38193	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	18855	21746	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	189	162	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	178	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:	179	156	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	191	164	%
Seasonal space heating energy efficiency of package, warm climate:	180	156	%

Model(s):		GreenMaster - HP-4-16-30							
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	64,0	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	45,9	kW	Tj = -7 °C	COPd	3,39	kW		
Tj = +2 °C	Pdh	36,1	kW	Tj = +2 °C	COPd	4,25	kW		
Tj = +7 °C	Pdh	22,2	kW	Tj = +7 °C	COPd	4,54	kW		
Tj = +12 °C	Pdh	9,9	kW	Tj = +12 °C	COPd	5,75	kW		
Tj = biv	Pdh	41,9	kW	Tj = biv	COPd	3,85	kW		
Tj = TOL	Pdh	47,1	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 _{biv}	-1	°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	
								-	
								°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}	0,19	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			5040	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	70/-	dB						
Annual energy consumption	Q _{HE}	33618	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							