

100627HMS01

alpha innotec

L 12Split-HM 8-12



55 °C

35 °C



Δ++

A⁺

Δ

В

C







44 dB



57 dB

111012

kW

11

9

kW



2019

811/2013



100627HMS01

alpha innotec

L 12Split-HM 8-12



55 °C

35 °C



Λ ++

Δ+

Δ

В

L

A⁺⁺

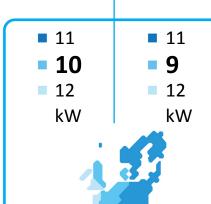




44 dB



57 dB



2019 811/2013



ENERG IJA енергия · ενεργεια

100627HMS01

alpha innotec

L 12Split-HM 8-12 + Splitregler























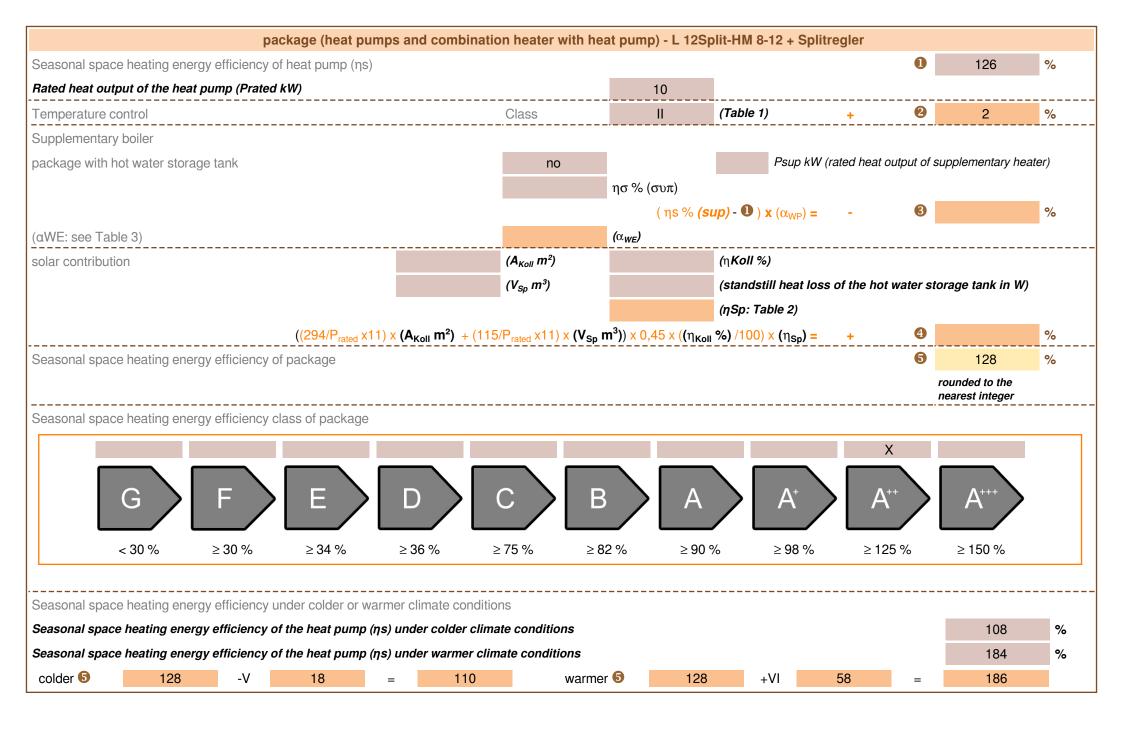












heatpump datasheet:								
manufacturer:	alpha innotae							
	alpha innotec L 12Split-HM 8-12							
model:								
Information concerning energy efficiency class and	rated heat output							
information concerning energy efficiency class and	rateu neat output.							
	average / low	average / medium						
energy efficiency class space heater:	A++	A++	-					
rated heat output:	8,5	10	kW					
energy efficiency space heater:	167	126	%					
annual final energy consumption space heater	4132	6406	kWh					
	•	_	.!					
sound power level indoors		44	dB					
additional information	low	medium						
rated heat output colder climate	11	11	kW					
rated heat output colder climate rated heat output warmer climate	11 12	11 12	kW					
rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate	11 12 133	11 12 108	kW %					
rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate energy effiency space heater warmer climate	11 12 133 229	11 12 108 184	kW %					
rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate energy effiency space heater warmer climate annual energy consumption space heater colder climate	11 12 133 229 7968	11 12 108 184 9794	kW % % kWh					
rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate energy effiency space heater warmer climate	11 12 133 229	11 12 108 184	kW %					

technical data of the temperature controller				
manufacturer:	alpha innotec			
model:	Splitregler			
controller class	II	-		
contribution of the controller to the energy efficiency space heater	2	%		

Model				L 12Split-HM 8-12			
Air-to-water heat pump: (yes/no)			yes				
Brine-to-water heat pump: (yes/no)			no				
Water-to-water heat pump: (yes/no)			no				
Low-temperature heat pump: (yes/no) Equipped with supplementary heater: (yes/no)			no yes				
							combination heater with: (yes/no)
application: (low/medium)				medium			
climate: (colder/average/warmer)				average			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	Prated	10	kW	Seasonal space heating energy efficiency	ηS	126,0	%
Declared coefficient of perfor temperature 20°C and outdoor			indoor	Declared coefficient of perfor temperature 20°C and outdoor			indoor
Tj = -7°C	Pdh	6,7	kW	Tj = -7°C	COPd	1,96	-
Tj = +2°C	Pdh	5,4	kW	Tj = +2°C	COPd	3,22	-
Tj = +7°C	Pdh	3,5	kW	Tj = +7°C	COPd	4,47	-
Tj = +12°C	Pdh	3,9	kW	Tj = +12°C	COPd	5,45	-
Tj = bivalent temperature	Pdh	7,7	kW	Tj = bivalent temperature	COPd	2,31	-
Tj = operation limit temperature	Pdh	6,7	kW	Tj = operation limit temperature	COPd	1,94	-
For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	COPd	-	-
Bivalent temperature	T _{biv}	-4	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	1,0	-	Heating water operating limit temperature	WTOL	58	°C
Power consumption in modes	other than	active mod	e	Supplementary heater			
Off mode	P _{OFF}	0,002	kW	Rated heat output	Psup	3,3	kW
Thermostat-off mode	P _{TO}	0,014	kW	Type of energy input		electrical	
Standby mode	P_{SB}	0,015	kW				
Crankcase heater mode	P _{CK}	0,035	kW				
Other items							
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	1	m ³ /h
sound power level, indoors/outdoors	L _{WA}	44 / 57	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h
Emissions of nitrogen oxides	NO _X	-	mg/kWh				
For heat pump combination h	eater:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	ait deutsch	land GmbH Ir	dustriestr. 3	95359 Kasendorf Germany			
				the rated heat output Prated is equ equal to the supplementary capac			eating
(**) If Cdh is not determined by m	easuremen	t then the defa	ault degrada	tion coefficient is Cdh = 0,9.			

Value 9 part load at lure Tj 7,5 4,6 3,5 3,9 7,8 6,2	Unit kW kW kW kW kW kW kW	yes no no no yes no low average Item Seasonal space heating energy efficiency Declared coefficient of perfor temperature 20°C and outdood Tj = -7°C Tj = +2°C Tj = +12°C Tj = bivalent temperature			Unit % indoor
Value 9 part load at jure Tj 7,5 4,6 3,5 3,9 7,8	kW indoor kW kW kW kW kW	no no yes no low average Item Seasonal space heating energy efficiency Declared coefficient of perfor temperature 20°C and outdoo Tj = -7°C Tj = +2°C Tj = +7°C Tj = +12°C Tj = bivalent temperature	ηS mance for temperate COPd COPd COPd COPd	167,0 part load at a ure Tj 2,93 4,11 5,37	% indoor
Value 9 part load at jure Tj 7,5 4,6 3,5 3,9 7,8	kW indoor kW kW kW kW kW	no yes no low average Item Seasonal space heating energy efficiency Declared coefficient of perfor temperature 20°C and outdoor Tj = -7°C Tj = +2°C Tj = +7°C Tj = +12°C Tj = bivalent temperature	ηS mance for temperate COPd COPd COPd COPd	167,0 part load at a ure Tj 2,93 4,11 5,37	% indoor
Value 9 part load at jure Tj 7,5 4,6 3,5 3,9 7,8	kW indoor kW kW kW kW kW	yes no low average Item Seasonal space heating energy efficiency Declared coefficient of perfortemperature 20°C and outdood Tj = -7°C Tj = +2°C Tj = +7°C Tj = +12°C Tj = bivalent temperature	ηS mance for temperate COPd COPd COPd COPd	167,0 part load at a ure Tj 2,93 4,11 5,37	% indoor
Value 9 part load at jure Tj 7,5 4,6 3,5 3,9 7,8	kW indoor kW kW kW kW kW	no low average Item Seasonal space heating energy efficiency Declared coefficient of perfor temperature 20°C and outdoor Tj = -7°C Tj = +2°C Tj = +7°C Tj = +12°C Tj = bivalent temperature	ηS mance for temperate COPd COPd COPd COPd	167,0 part load at a ure Tj 2,93 4,11 5,37	% indoor
9 part load at ure Tj 7,5 4,6 3,5 3,9 7,8	kW indoor kW kW kW kW kW	low average Item Seasonal space heating energy efficiency Declared coefficient of perfor temperature 20°C and outdood Tj = -7°C Tj = +2°C Tj = +7°C Tj = +12°C Tj = bivalent temperature	ηS mance for temperate COPd COPd COPd COPd	167,0 part load at a ure Tj 2,93 4,11 5,37	% indoor
9 part load at ure Tj 7,5 4,6 3,5 3,9 7,8	kW indoor kW kW kW kW kW	average Item Seasonal space heating energy efficiency Declared coefficient of perfor temperature 20°C and outdood Tj = -7°C Tj = +2°C Tj = +7°C Tj = +12°C Tj = bivalent temperature	ηS mance for temperate COPd COPd COPd COPd	167,0 part load at a ure Tj 2,93 4,11 5,37	% indoor
9 part load at ure Tj 7,5 4,6 3,5 3,9 7,8	kW indoor kW kW kW kW kW	Item Seasonal space heating energy efficiency Declared coefficient of perfor temperature 20°C and outdood Tj = -7°C Tj = +2°C Tj = +7°C Tj = +12°C Tj = bivalent temperature	ηS mance for temperate COPd COPd COPd COPd	167,0 part load at a ure Tj 2,93 4,11 5,37	% indoor
9 part load at ure Tj 7,5 4,6 3,5 3,9 7,8	kW indoor kW kW kW kW kW	Seasonal space heating energy efficiency Declared coefficient of perfor temperature 20°C and outdoor Tj = -7°C Tj = +2°C Tj = +7°C Tj = +12°C Tj = bivalent temperature	ηS mance for temperate COPd COPd COPd COPd	167,0 part load at a ure Tj 2,93 4,11 5,37	% indoor
7,5 4,6 3,5 3,9 7,8	kW kW kW kW kW	energy efficiency Declared coefficient of perfortemperature 20°C and outdood Tj = -7°C Tj = +2°C Tj = +7°C Tj = +12°C Tj = bivalent temperature	mance for or temperation COPd COPd COPd COPd	part load at a ure Tj 2,93 4,11 5,37	indoor
7,5 4,6 3,5 3,9 7,8	kW kW kW kW	temperature 20 °C and outdoor $Tj = -7$ °C $Tj = +2$ °C $Tj = +7$ °C $Tj = +12$ °C $Tj = bivalent temperature$	COPd COPd COPd COPd COPd	2,93 4,11 5,37	1
4,6 3,5 3,9 7,8	kW kW kW	Tj = +2 °C $Tj = +7 °C$ $Tj = +12 °C$ $Tj = bivalent temperature$	COPd COPd COPd	4,11 5,37	
3,5 3,9 7,8	kW kW kW	Tj = +7°C Tj = +12°C Tj = bivalent temperature	COPd COPd	5,37	-
3,9 7,8	kW kW	Tj = +12°C Tj = bivalent temperature	COPd	-	-
7,8	kW	Tj = bivalent temperature		6,34	Ī
		•	COPd		-
6,2	kW	Ti an avation limit towns avature	, ~~, ~	2,94	-
-		Tj = operation limit temperature	COPd	2,69	-
	kW	For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	COPd	-	-
-6	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
-	kW	Cycling interval efficiency	COPcyc	-	-
1,0	-	Heating water operating limit temperature	WTOL	58	°C
active mod	e	Supplementary heater			•
0,002	kW	Rated heat output	Psup	2,3	kW
0,014	kW	Type of energy input		electrical	•
0,015	kW				
0,035	kW				
			•		
fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m ³ /h
44 / 57	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h
-	mg/kWh				-
-		Water heating energy efficiency	η_{wh}	-	%
-	kWh	Daily fuel consumption	Qfuel	-	kWh
and GmbH Ir	ndustriestr. 3	1 '			
	- 1,0 active mod 0,002 0,014 0,015 0,035 fixed 44 / 57 - and GmbH Ir np combinat lementary he	- kW 1,0 - active mode 0,002 kW 0,014 kW 0,015 kW 0,035 kW fixed 44 / 57 dB - mg/kWh - kWh and GmbH Industriestr. 3 app combination heaters, lementary heater Psup is	Operation limit temperature Cycling interval efficiency 1,0 Heating water operating limit temperature Supplementary heater 0,002 kW Rated heat output Type of energy input 0,015 kW 0,035 kW For air-to-water heat pumps: Rated air flow rate, outdoors 44 / 57 dB For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger mg/kWh Water heating energy efficiency kWh Daily fuel consumption and GmbH Industriestr. 3 95359 Kasendorf Germany p combination heaters, the rated heat output Prated is equ	Operation limit temperature - kW Cycling interval efficiency COPcyc 1,0 - Heating water operating limit temperature Supplementary heater 0,002 kW Rated heat output Psup 0,014 kW Type of energy input 0,015 kW 0,035 kW For air-to-water heat pumps: Rated air flow rate, outdoors 44 / 57 dB For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger - mg/kWh Water heating energy efficiency \$\eta_{wh}\$ baily fuel consumption Qfuel and GmbH Industriestr. 3 95359 Kasendorf Germany rep combination heaters, the rated heat output Prated is equal to the desterning to the desterning of the supplementary capacity for heating energy for the attribute of the desterning to the desterning of the supplementary capacity for heating energy efficiency of the desterning of the supplementary capacity for heating energy energiated in the supplementary capacity for heating energy efficiency of the desterning energy efficiency of the d	Operation limit temperature RW Cycling interval efficiency COPcyc 1,0 Heating water operating limit temperature Supplementary heater 0,002 kW Rated heat output Prated is equal to the design load for hementary heaters Supplementary heater Psup 2,3 P