

100698HM601

alpha innotec

L6 Split-HM 6



55 °C

35 °C



Λ ++

 A^+

Δ

B

L

A⁺⁺





35 dB



51 dB

6

5

kW

4

5

4

kW



2019

811/2013



100698HM601

alpha innotec

L6 Split-HM 6



55 °C

35 °C



Λ++

Δ+

A

D

Δ++

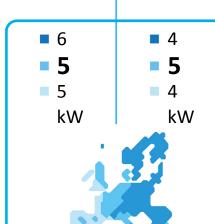




35 dB



51 dB



2019

811/2013



ENERG IJA енергия · ενεργεια

100698HM601

alpha innotec

L6 Split-HM 6 + Splitregler



































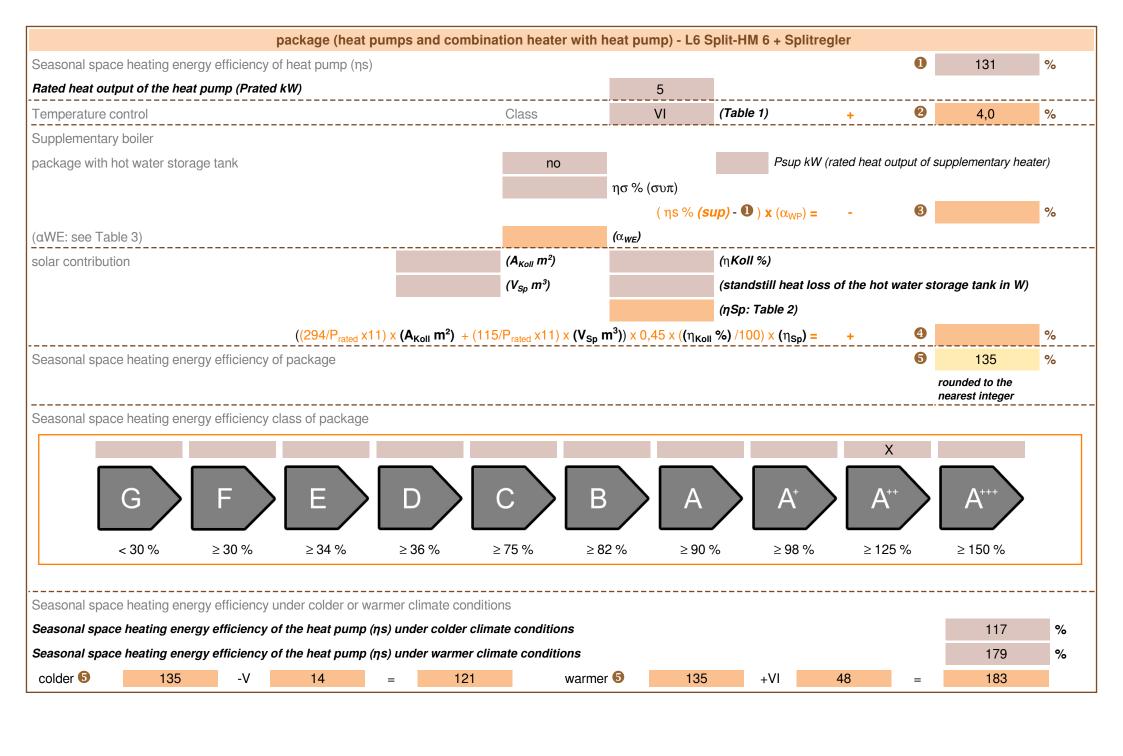








2015 811/2013



heatpump datasheet:					
	T				
manufacturer:	alpha innotec				
model:	L6 Split-HM 6				
Information concerning energy efficiency class and ra	ted heat output:				
		_	1		
	average / low	average / medium			
energy efficiency class space heater:	A+++	A++	-		
rated heat output:	5	5	kW		
energy efficiency space heater:	188	131	%		
annual final energy consumption space heater	2072	3245	kWh		
sound power level indoors		35	dB		
			•		
special precautions concerning assembly, installation	or maintenance				
All instructional work in this manual may only be carried out be regulations.	oy qualified specialist persor	nnel in compliance with loca	al		
additional information	low	medium			
rated heat output colder climate	4	6	kW		
rated heat output warmer climate	4	5	kW		
·	·				
energy effiency space heater colder climate	143	117	%		
energy effiency space heater warmer climate	252	179	%		
annual energy consumption space heater colder climate	2694	4555	kWh		
annual energy consumption space heater warmer climate	870	1398	kWh		
sound power level outdoors		51	dB		

technical data of the temperature controller							
manufacturer: alpha innotec							
model:	Splitregler						
controller class	VI	-					
contribution of the controller to the energy efficiency space heater	4,0	%					

ratine-to-water heat pump: (yes/no) no no vertere-traver beta pump: (yes/no) no no vertere-traver heat pump: (yes/no) no no vertere-traver heat pump: (yes/no) no no publication (howten) pump (yes/no) no no no publication (howten) pump (yes/no) no no no no publication (howten) pump (yes/no) no no no no no yes/no no no no yes	Model				L6 Split-HM 6				
Value Towater heat pump; (yes/no) no no	Air-to-water heat pump: (yes/no)			yes					
ow-temperature heat pump: (yes/no) quipped with supplementary heater: (yes/no) no no no no no no no no no	Brine-to-water heat pump: (yes/no)			no					
quipped with supplementary heater: (yes/no)	Water-to-water heat pump: (yes/no)			no					
prolitation heater with: (yes/no) prolitation: (low/medium) medium lated heat output	Low-temperature heat pump: (ye	s/no)			no				
imate: (colder/average/warmer) verime Symbol Value Unit Item Symbol Value Unit lated heat output Prated 5 kW Seasonal space heating energy efficiency verificiency Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj i=-7°C Pdh 4,7 kW Tj=-7°C COPd 1,88 - i=+2°C Pdh 2,8 kW Tj=+7°C COPd 3,26 - i=+7°C Pdh 1,8 kW Tj=+7°C COPd 4,72 - i=+12°C Pdh 2,7 kW Tj=+2°C COPd 4,72 - i= bivalent temperature Pdh 4,7 kW Tj=+12°C COPd 6,47 - i= bivalent temperature Pdh 4,1 kW Tj=-12°C COPd 1,88 - i= or air-to-water heat pumps: Tj -15°C (if TOL <-20°C) or air-to-water heat pumps: Tj -15°C (if TOL <-20°C) very ling interval capacity for Pcych R 1,0 kW Ty -15°C (if TOL <-20°C) very consumption in modes other than active mode latenday on the modes of the than active mode latenday on the modes of the than active mode latenday on the modes of the than active mode latenday on the modes of the than active mode latenday on the modes of the tremperature R 1,0 kW Type of energy input Psup 1,2 kW Type of energy i	Equipped with supplementary heater: (yes/no)			no					
imato: (colder/average/warmar) tem Symbol Value Unit Item Symbol Value Unit Item stated heat output Prated 5 kW Seasonal space heating nergy efficiency nS 131,0 % beclared coefficient of performance for part load at indoor temperature T	combination heater with: (yes/no))			no				
Symbol Value Unit Item Symbol Item Symbo	application: (low/medium)				medium	medium			
Seasonal space heating n S 131,0 % Seasonal space heating n S S S S S S S S S	climate: (colder/average/warmer)				average				
Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature T1	Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
temperature 20 °C and outdoor temperature Tj temperature 20 °C and outdoor temperature Tj $j=-7^{\circ}C$ Pdh 4,7 kW Tj = $+7^{\circ}C$ COPd 1,88 $-7^{\circ}C$ Pdh 2,8 kW Tj = $+7^{\circ}C$ COPd 3,26 $-7^{\circ}C$ Pdh 1,8 kW Tj = $+7^{\circ}C$ COPd 4,72 $-7^{\circ}C$ Pdh 2,7 kW Tj = $+12^{\circ}C$ COPd 6,47 $-7^{\circ}C$ Pdh 2,7 kW Tj = $+12^{\circ}C$ COPd 6,47 $-7^{\circ}C$ Pdh 4,7 kW Tj = $+12^{\circ}C$ COPd 6,47 $-7^{\circ}C$ Pdh 4,7 kW Tj = bivalent temperature COPd 1,88 $-7^{\circ}C$ Pdh 4,1 kW Tj = operation limit temperature COPd 1,77 $-7^{\circ}C$ Coparation limit temperature COPd 1,77 $-7^{\circ}C$ Por air-to-water heat pumps: Tj COPd $-7^{\circ}C$ Por air-to-water heat pumps: Tj $-7^{\circ}C$ Por air-to-wate	Rated heat output	Prated	5	kW		ηS	131,0	%	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				indoor				ndoor	
j = +7°C	Tj = -7°C	Pdh	4,7	kW	Tj = -7°C	COPd	1,88	-	
j = +12 °C	Tj = +2°C	Pdh	2,8	kW	Tj = +2°C	COPd	3,26	-	
j = bivalent temperature	Tj = +7°C	Pdh	1,8	kW	Tj = +7°C	COPd	4,72	-	
j = operation limit temperature Pdh 4,1 kW Tj = operation limit temperature COPd 1,77 - or air-to-water heat pumps: Tj - 15°C (if TOL < -20°C)	Tj = +12°C	Pdh	2,7	kW	Tj = +12°C	COPd	6,47	-	
or air-to-water heat pumps: Tj	Tj = bivalent temperature	Pdh	4,7	kW	Tj = bivalent temperature	COPd	1,88	-	
=-15°C (if TOL < -20°C) isolatent temperature T _{biv} -7 °C For air-to-water heat pumps: Operation limit temperature Cycling interval capacity for eating regradation co-efficient (**) Cycling interval efficiency Eyolog interval efficiency Eyolog interval efficiency Cycling interval efficiency Eyolog interval efficien	Tj = operation limit temperature	Pdh	4,1	kW	Tj = operation limit temperature	COPd	1,77	-	
cycling interval capacity for eating elegradation co-efficient (**)	For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	Pdh	-	kW		COPd	-	-	
regradation co-efficient (**) Codh 1,0	Bivalent temperature	T _{biv}	-7	°C		TOL	-10	°C	
temperature temperature t	Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
In the property of the propert	Degradation co-efficient (**)	Cdh	1,0	-		WTOL	58	°C	
thermostat-off mode	Power consumption in modes	other thai	active mod	e	Supplementary heater	•		•	
thermostat-off mode	Off mode	P _{OFF}	0,007	kW	Rated heat output	Psup	1,2	kW	
standby mode	Thermostat-off mode		0,012	kW	Type of energy input		electrical	•	
Approximate the stream of the	Standby mode		0,012	kW					
rapacity control variable For air-to-water heat pumps: Rated air flow rate, outdoors ound power level, adoors/outdoors ound power level, adoors/outdoors ound power level, adoors/outdoors I LwA	Crankcase heater mode		-	kW					
Rated air flow rate, outdoors Ound power level, adoors/outdoors Declared load profile Contact details All dear supplementary heater Psup is equal to the design load for heating supplementary heater Psup is equal to the supplementary capacity for heating supp(Tj).	Other items								
pumps: Rated brine or water flow rate, outdoor heat exchanger missions of nitrogen oxides NO _X - mg/kWh for heat pump combination heater: Declared load profile - Water heating energy efficiency nwh - % Daily electricity consumption Qelec - kWh Daily fuel consumption Qfuel - kWh Contact details ait deutschland GmbH Industriestr. 3 95359 Kasendorf Germany To For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating designh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).	Capacity control	variable				-	2.526	m ³ /h	
For heat pump combination heater: Declared load profile - Water heating energy efficiency The part of the pump combination heaters Declared load profile - KWh Daily fuel consumption Quelec - KWh Daily fuel consumption Quelec - KWh Contact details All deutschland GmbH Industriestr. 3 95359 Kasendorf Germany The part of the pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating designh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).	sound power level, indoors/outdoors	L _{WA}	35 / 51	dB	pumps: Rated brine or water flow rate, outdoor heat	-	-	m ³ /h	
Peclared load profile - Water heating energy efficiency η_{wh} - % Paily electricity consumption Q_{elec} - kWh Daily fuel consumption Qfuel - kWh Contact details ait deutschland GmbH Industriestr. 3 95359 Kasendorf Germany To Profibe the pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating designh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).	Emissions of nitrogen oxides	NO _X	-	mg/kWh					
Paily electricity consumption Q _{elec} - kWh Daily fuel consumption Qfuel - kWh Contact details ait deutschland GmbH Industriestr. 3 95359 Kasendorf Germany T) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating designh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).	For heat pump combination h	eater:							
Paily electricity consumption Q _{elec} - kWh Daily fuel consumption Qfuel - kWh Contact details ait deutschland GmbH Industriestr. 3 95359 Kasendorf Germany T) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating designh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).	Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%	
F) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating designh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).	Daily electricity consumption	Q _{elec}	-	kWh		<u> </u>	-	kWh	
designh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).	Contact details		land GmbH In	dustriestr. 3	95359 Kasendorf Germany	•		•	
								eating	
**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.			•						

Model				L6 Split-HM 6				
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	s/no)			no				
Equipped with supplementary heater: (yes/no)			no					
combination heater with: (yes/no)			no					
application: (low/medium)				low	low			
climate: (colder/average/warmer)				average				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output	Prated	5	kW	Seasonal space heating energy efficiency	ηS	188,0	%	
Declared coefficient of perfort temperature 20°C and outdoor			ndoor	Declared coefficient of perfor temperature 20°C and outdoor			ndoor	
Tj = -7°C	Pdh	4,3	kW	Tj = -7°C	COPd	2,60	-	
Tj = +2°C	Pdh	2,6	kW	Tj = +2°C	COPd	4,84	-	
Tj = +7°C	Pdh	1,7	kW	Tj = +7°C	COPd	6,91	-	
Tj = +12°C	Pdh	2,7	kW	Tj = +12°C	COPd	7,72	-	
Tj = bivalent temperature	Pdh	4,3	kW	Tj = bivalent temperature	COPd	2,60	-	
Tj = operation limit temperature	Pdh	3,2	kW	Tj = operation limit temperature	COPd	2,24	-	
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}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°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	<u>. </u>	Supplementary heater			•	
Off mode	P _{OFF}	0,007	kW	Rated heat output	Psup	1,6	kW	
Thermostat-off mode	P _{TO}	0,012	kW	Type of energy input		electrical	•	
Standby mode	P _{SB}	0,012	kW					
Crankcase heater mode	P _{CK}	-	kW					
Other items								
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2.526	m ³ /h	
sound power level, indoors/outdoors	L_{WA}	35 / 51	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 In	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 degradat	tion coefficient is Cdh = 0,9.				