

100626HM1201

alpha innotec

L8 Split-HM 12



55 °C

35 °C



Λ ++

++

Λ

B

L

A⁺⁺

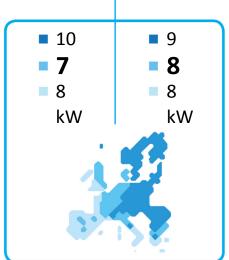




35 dB



55 dB



2019

811/2013



100626HM1201

alpha innotec

L8 Split-HM 12



55 °C

35 °C



Λ++

Δ+

Δ

Г

A++

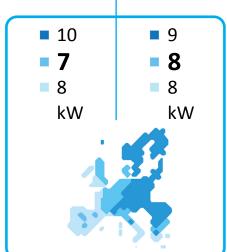




35 dB



55 dB



2019

811/2013



ENERG IJA енергия · ενεργεια

100626HM1201

alpha innotec

L8 Split-HM 12 + Splitregler





























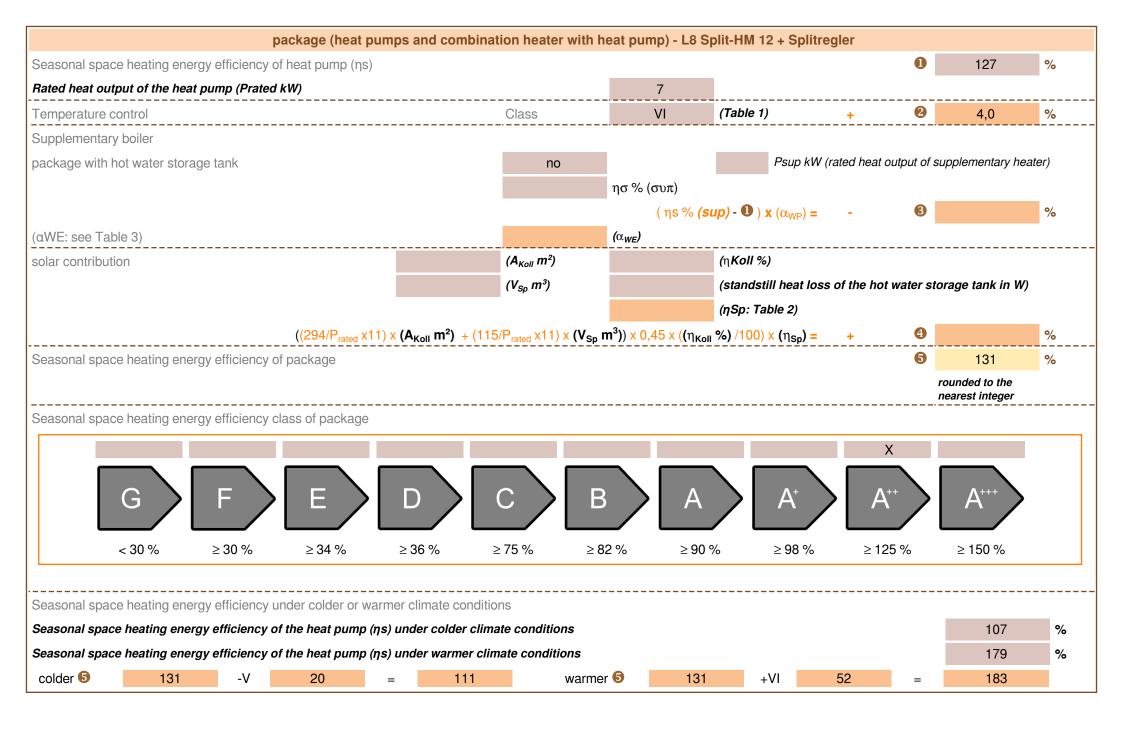












heatpump datasheet:				
manufacturor	alpha innotas			
manufacturer:	alpha innotec			
model:	L8 Split-HM 12			
Information concerning analysis officional place and re-	tod boot output.			
Information concerning energy efficiency class and ra	ted fleat output.			
	average / low	average / medium		
energy efficiency class space heater:	A++	A++	-	
rated heat output:	8	7	kW	
energy efficiency space heater:	172	127	%	
annual final energy consumption space heater	3874	4435	kWh	
	<u>'</u>	•		
sound power level indoors		35	dB	
		1		
additional information	low	medium		
rated heat output colder climate	9	10	kW	
rated heat output warmer climate	8	8	kW	
energy effiency space heater colder climate	138	107	%	
energy effiency space heater warmer climate	227	179	%	
annual energy consumption space heater colder climate	6278	9003	kWh	
annual energy consumption space heater warmer climate	1860	2350	kWh	
sound power level outdoors		55	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	%		

-	L8 Split-HM 12			
no				
no				
medium				
	Symbol	Value	Unit	
eace heating iency	ηS	127,0	%	
efficient of perfore 20°C and outdoo			indoor	
	COPd	1,94	-	
	COPd	3,11	-	
	COPd	4,42	-	
	COPd	5,93	-	
temperature	COPd	1,83	-	
n limit temperature	COPd	1,86	-	
ter heat pumps: Tj OL < -20°C)	COPd	-	-	
ter heat pumps: iit temperature	TOL	-10	°C	
al efficiency	COPcyc	-	-	
r operating limit	WTOL	58	°C	
ary heater			•	
utput	Psup	1,1	kW	
gy input		electrical	•	
ter heat pumps: v rate, outdoors	-	3.000	m ³ /h	
ine-to-water heat d brine or water door heat	-	-	m ³ /h	
	-	-	-	
g energy efficiency	η_{wh}	-	%	
sumption	Qfuel	-	kWh	
			•	
n SL		onsumption Qfuel adorf Germany output Prated is equal to the descripplementary capacity for heating	onsumption Qfuel - ndorf Germany output Prated is equal to the design load for h supplementary capacity for heating sup(Tj).	

Native Convenient heat pumps: (yes/no) No No No No No No No	Model				L8 Split-HM 12			
National Converted Part Pumps (yes/no)	Air-to-water heat pump: (yes/no)			yes	yes			
cov-temperature heat pump; (yes/no) coupped with supplementary heater; (yes/no) combination heater with: (yes/no) combination heater: conder/average/warmer) leter Symbol Value Unit leter Symbol Value Unit leter Symbol Value Unit leter Symbol Value Unit leter Symbol Value Unit leter Symbol Value Unit leter Seasonal space heating nS 172,0 % seasonal space heating energy efficiency Declared coefficient of performance for part load at Indoor temperature 20°C and outdoor temperature T 7°C Pdh 7,4 kW T -7°C COPd 2,92	Brine-to-water heat pump: (yes/no)			no				
Equipped with supplementary heater: (yes/no) no	Water-to-water heat pump: (yes/no)			no				
combination heater with: (yes/no) no popularization (tow/medium) low	Low-temperature heat pump: (ye	s/no)			no			
Sumbolication: (low/medium) Symbol Value Unit Item	Equipped with supplementary he	ater: (yes/no	o)		no			
Symbol Value Unit Item Symbol Value Unit Unit Unit Unit Item Symbol Value Unit U	combination heater with: (yes/no))			no			
Symbol Value Unit Rated had output Prated 8 KW Seasonal space heating energy efficiency nS 172,0 %	application: (low/medium)				low			
Prace Bate	climate: (colder/average/warmer)				average			
Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj Tj = 7°C Pdh 7,4 kW Tj = 7°C COPd 2,92 - Tj = +2°C Pdh 4,5 kW Tj = +2°C COPd 4,30 - Tj = +7°C Pdh 3,5 kW Tj = +2°C COPd 5,42 - Tj = +12°C COPd 5,42 - Tj = +12°C COPd 7,37 - Tj = byten 1 byt	Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
	Rated heat output	Prated	8	kW		ηS	172,0	%
$T_j = +2^{\circ}C \qquad \qquad Pdh \qquad 4,5 \qquad kW \qquad T_j = +2^{\circ}C \qquad \qquad COPd \qquad 4,30 \qquad -T_j = +7^{\circ}C \qquad \qquad Pdh \qquad 2,9 \qquad kW \qquad T_j = +7^{\circ}C \qquad \qquad COPd \qquad 5,42 \qquad -T_j = +7^{\circ}C \qquad \qquad Pdh \qquad 3,5 \qquad kW \qquad T_j = +7^{\circ}C \qquad \qquad COPd \qquad 5,42 \qquad -T_j = +7^{\circ}C \qquad \qquad Pdh \qquad 3,5 \qquad kW \qquad T_j = +12^{\circ}C \qquad \qquad COPd \qquad 5,42 \qquad -T_j = 10^{\circ}C \qquad \qquad Pdh \qquad 3,5 \qquad kW \qquad T_j = +12^{\circ}C \qquad \qquad COPd \qquad 7,37 \qquad -T_j = 10^{\circ}C \qquad \qquad Pdh \qquad 7,4 \qquad kW \qquad T_j = bivalent temperature \qquad Pdh \qquad 6,9 \qquad kW \qquad T_j = operation limit temperature \qquad COPd \qquad 2,86 \qquad -T_j = 0.0000000000000000000000000000000000$				indoor				ndoor
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Tj = -7°C	Pdh	7,4	kW	Tj = -7°C	COPd	2,92	-
Tj = +12°C Pdh 3,5 kW Tj = +12°C COPd 7,37 - Tj = bivalent temperature Pdh 7,4 kW Tj = bivalent temperature COPd 2,86 - Tj = operation limit temperature Pdh 6,9 kW Tj = operation limit temperature COPd 2,86 - Tj = operation limit temperature Pdh 6,9 kW Tj = operation limit temperature COPd 2,67 - To air-to-water heat pumps: Tj = -15°C (if ToL < -20°C) Pdh To air-to-water heat pumps: Tj = -15°C (if ToL < -20°C) Pdh To air-to-water heat pumps: Tj = -15°C (if ToL < -20°C) Pdh To air-to-water heat pumps: Tj = -15°C (if ToL < -20°C) Pdh To air-to-water heat pumps: Tj = -15°C (if ToL < -20°C) Pdh To air-to-water heat pumps: Tj = -15°C (if ToL < -20°C) Pdh To air-to-water heat pumps: Tj = -15°C (if ToL < -20°C) Pdh To air-to-water heat pumps: Tj = -15°C (if ToL < -20°C) Pdh To air-to-water heat pumps: Tj = -15°C (if ToL < -20°C) Pdh To air-to-water heat pumps: Tj = -15°C (if ToL < -20°C) Pdh To air-to-water heat pumps: ToL - 10 Pdh To air-to-water heat pumps: ToL	Tj = +2°C	Pdh	4,5	kW	Tj = +2°C	COPd	4,30	-
Tj = bivalent temperature Pdh 7,4 kW Tj = bivalent temperature COPd 2,86 - Tj = operation limit temperature Pdh 6,9 kW Tj = operation limit temperature COPd 2,67 - Tor air-to-water heat pumps: Tj = -15°C (if TOL < -20°C) Tor air-to-water heat pumps: Tj = -15°C (if TOL < -20°C) Tor air-to-water heat pumps: Tj = -15°C (if TOL < -20°C) Tor air-to-water heat pumps: Tj = -15°C (if TOL < -20°C) Tor air-to-water heat pumps: ToL = -10 °C Tol = -10 °C Tol = -15°C (if TOL < -20°C) Tol = -15°C (if TOL < -20°C (if TOL < -20°C) Tol = -15°C (if TOL < -20°C (if TOL < -20°C) Tol = -15°C (if TOL < -20	Tj = +7°C	Pdh	2,9	kW	Tj = +7°C	COPd	5,42	-
Tj = operation limit temperature Pdh 6,9 kW Tj = operation limit temperature COPd 2,67	Tj = +12°C	Pdh	3,5	kW	Tj = +12°C	COPd	7,37	-
For air-to-water heat pumps: Tj	Tj = bivalent temperature	Pdh	7,4	kW	Tj = bivalent temperature	COPd	2,86	-
= -15 °C (if TOL < -20 °C) 3ivalent temperature T _{biv} -8 °C For air-to-water heat pumps: Operation limit temperature Cycling interval capacity for leating Degradation co-efficient (**) Cycling interval efficiency Efficiency Cycling interval efficiency Efficiency Cycling interval efficiency Efficiency Cycling interval efficiency Efficiency Efficiency Cycling interval efficiency Efficiency Efficiency Cycling interval efficiency Effici	Tj = operation limit temperature	Pdh	6,9	kW	Tj = operation limit temperature	COPd	2,67	-
Cycling interval capacity for Pcych - kW Cycling interval efficiency COPcyc	For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	Pdh	-	kW		COPd	-	-
Degradation co-efficient (**) Cdh 1,0 - Heating water operating limit temperature Supplementary heater Psup 1,4 kW Type of energy input electrical Electrical Electrical For air-to-water heat pumps: Rated air flow rate, outdoors Rated air flow rate, outdoors Sound power level, andoors/outdoors For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger Emissions of nitrogen oxides NO _X - mg/kWh For heat pump combination heater: Declared load profile	Bivalent temperature	T _{biv}	-8	°C		TOL	-10	°C
Power consumption in modes other than active mode Off mode Poff mode Poff 0,002 kW Rated heat output Psup 1,4 kW Promostat-off mode Psup 1,4 kW Psup 1,4 kW P	Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Off mode	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}	0,002	kW	Rated heat output	Psup	1,4	kW
Standby mode	Thermostat-off mode		0,015	kW	Type of energy input		electrical	•
Capacity control Variable Rated air flow rate, outdoors For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat exchanger For heat pump combination heater: Declared load profile About the design load for heating Port heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Polesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).	Standby mode		0,015	kW				
Capacity control Variable Variable For air-to-water heat pumps: Rated air flow rate, outdoors For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoors For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoors Water heating energy efficiency Rated brine or water flow rate, outdoors NO _X Water heating energy efficiency Rated brine or water flow rate, outdoors NO _X NO	Crankcase heater mode	P _{CK}	0,030	kW				
Rated air flow rate, outdoors For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine or water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: Rated brine to water flow rate, outdoor heat pumps: R	Other items							
pumps: Rated brine or water flow rate, outdoor heat exchanger Emissions of nitrogen oxides NO _X - mg/kWh For heat pump combination heater: Declared load profile - Water heating energy efficiency η _{wh} - % Daily electricity consumption Q _{elec} - kWh Daily fuel consumption Qfuel - kWh Contact details ait deutschland GmbH Industriestr. 3 95359 Kasendorf Germany *) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).	Capacity control	variable				-	3.000	m ³ /h
For heat pump combination heater: Declared load profile Declared l	sound power level, indoors/outdoors	L _{WA}	35 / 55	dB	pumps: Rated brine or water flow rate, outdoor heat	-	1	m ³ /h
Declared load profile - Water heating energy efficiency η_{wh} - % Daily electricity consumption Q_{elec} - kWh Daily fuel consumption Qfuel - kWh Contact details ait deutschland GmbH Industriestr. 3 95359 Kasendorf Germany *) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, 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				
Daily electricity consumption Qelec - kWh Daily fuel consumption Qfuel - kWh Contact details ait deutschland GmbH Industriestr. 3 95359 Kasendorf Germany *) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, 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:						
ait deutschland GmbH Industriestr. 3 95359 Kasendorf Germany *) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, 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}	-	%
*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, 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	Daily fuel consumption	Qfuel	-	kWh
Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).	Contact details	ait deutsch	land GmbH In	dustriestr. 3	95359 Kasendorf Germany			
								eating
	<u> </u>	•	•					