

10080401

alpha innotec

Hybrox 5



55 °C

35 °C



Λ ++

A⁺

Α

R

A⁺⁺

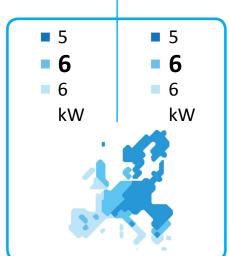
A***



40 dB



45 dB



2019

811/2013



10080401

alpha innotec

Hybrox 5



55 °C

35 °C



Λ ++

Δ+

Λ

B

C

Δ++

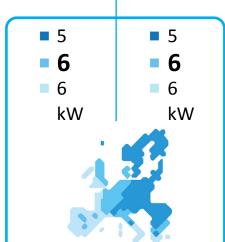








45 dB



2019

811/2013



IJA ENERG енергия · ενεργεια

10080401

alpha innotec

Hybrox 5 + Lux 2.1























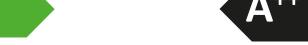






B



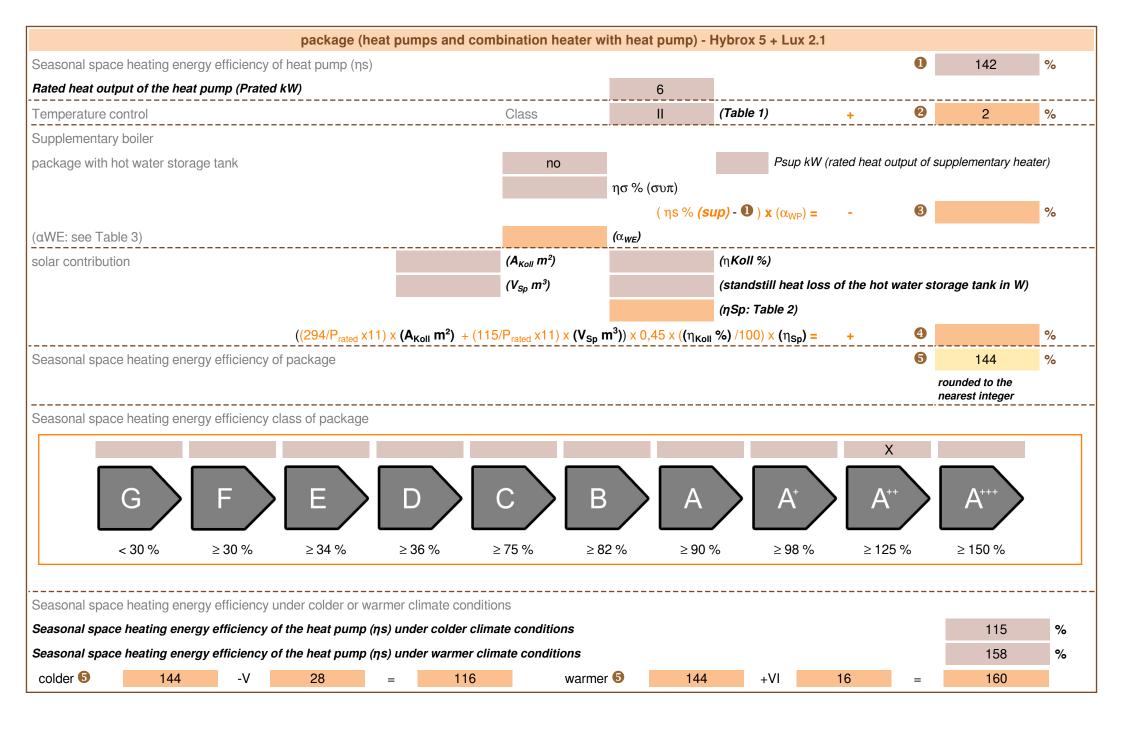






811/2013

2015



heatpump datasheet:						
manufacturer:	alpha innotec					
model:	Hybrox 5					
Information concerning energy efficiency class and	rated heat output:					
	average / low	average / medium				
energy efficiency class space heater:	A+++	A++	-			
rated heat output:	6	6	kW			
energy efficiency space heater:	187	142	%			
annual final energy consumption space heater	2698	3226	kWh			
	'	•				
sound power level indoors		40	dB			
		<u>'</u>				
special precautions concerning assembly, installati	on or maintenance					
regulations.						
additional information	low	medium				
rated heat output colder climate	5	5	kW			
rated heat output warmer climate	6	6	kW			
energy effiency space heater colder climate	146	115	%			
energy effiency space heater warmer climate	206	158	%			
annual energy consumption space heater colder climate	3375	4190	kWh			
annual energy consumption space heater warmer climate	1580	2027	kWh			
	· ·	•				
sound power level outdoors		45	dB			

technical data of the temperature controller						
manufacturer:	alpha innotec					
model:	Lux 2.1					
controller class	II	-				
contribution of the controller to the energy efficiency space heater	2	%				

Model				Hybrox 5			
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)			no				
Equipped with supplementary heater: (yes/no)			yes				
combination heater with: (yes/no)			no				
application: (low/medium)			medium				
climate: (colder/average/warmer)				average			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	Prated	6	kW	Seasonal space heating energy efficiency	ηS	142,2	%
Declared coefficient of perfor temperature 20°C and outdoor			ndoor	Declared coefficient of perfor temperature 20°C and outdoor			ndoor
Tj = -7°C	Pdh	5,0	kW	Tj = -7°C	COPd	2,32	-
Tj = +2°C	Pdh	3,2	kW	Tj = +2°C	COPd	3,53	-
Tj = +7°C	Pdh	2,1	kW	Tj = +7°C	COPd	4,81	-
Tj = +12°C	Pdh	2,5	kW	Tj = +12°C	COPd	6,36	-
Tj = bivalent temperature	Pdh	5,2	kW	Tj = bivalent temperature	COPd	2,41	-
Tj = operation limit temperature	Pdh	4,2	kW	Tj = operation limit temperature	COPd	1,95	-
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}	-6	°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	65	°C
Power consumption in modes	other thai	n active mod	e	Supplementary heater			•
Off mode	P _{OFF}	0,017	kW	Rated heat output	Psup	1,5	kW
Thermostat-off mode	P _{TO}	0,021	kW	Type of energy input		electrical	•
Standby mode	P_{SB}	0,017	kW				
Crankcase heater mode	P _{CK}	-	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	3.500	m ³ /h
sound power level, indoors/outdoors	L _{WA}	40 / 45	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, I	ndustriestr. 3	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.			

Model				Hybrox 5			
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)			no				
Equipped with supplementary heater: (yes/no)			yes				
combination heater with: (yes/no)			no				
application: (low/medium)			low				
climate: (colder/average/warmer)				average			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	Prated	6	kW	Seasonal space heating energy efficiency	ηS	186,9	%
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoor			ndoor
Tj = -7°C	Pdh	5,4	kW	Tj = -7°C	COPd	3,12	-
Tj = +2°C	Pdh	3,3	kW	Tj = +2°C	COPd	4,59	-
Tj = +7°C	Pdh	2,3	kW	Tj = +7°C	COPd	6,40	-
Tj = +12°C	Pdh	2,5	kW	Tj = +12°C	COPd	7,68	-
Tj = bivalent temperature	Pdh	5,6	kW	Tj = bivalent temperature	COPd	3,23	-
Tj = operation limit temperature	Pdh	4,9	kW	Tj = operation limit temperature	COPd	2,85	-
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}	-6	°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	65	°C
Power consumption in modes	other thai	n active mod	e	Supplementary heater	!		!
Off mode	P _{OFF}	0,017	kW	Rated heat output	Psup	1,3	kW
Thermostat-off mode	P _{TO}	0,021	kW	Type of energy input		electrical	•
Standby mode	P _{SB}	0,017	kW				
Crankcase heater mode	P _{CK}	-	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	3.500	m ³ /h
sound power level, indoors/outdoors	L _{WA}	40 / 45	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		land GmbH, I	ndustriestr. 3	3, 95359 Kasendorf, Germany	-	-	-
				the rated heat output Prated is equ equal to the supplementary capac			eating
(**) If Cdh is not determined by m		-					