The technical documentation

1. General description

Models:

ASH-13BIS2/W

2. Reference to harmonised standards:

EN 14825:2016、EN 14511-2:2013、EN 14511-3:2013、EN 12102-1:2017

3.Specific precautions that shall be taken when the model is assembled, installed, maintained or tested:

- (1) According to the directions of Operating Instruction Manual.
- 2 Set the guide vane of air outlet at middle position by hand to achieve maximum air volume.
- ③ Set upper guide louver at the appropriate position to achieve maximum air volume.
- (4) Press any button during the testing mode, the unit will exit the lock frequency, you need repeat the process to enter testing mode if needed!
- 4 After each test a condition, need to power off and test the next working condition!
- (5) After each test a condition, need to power off and test the next working condition!

4. Measured technical parameters & 5. The calculations performed with the measured parameters & 6. Testing conditions

	· ·	<u> </u>							
Functio	n (indicate if	present)		Only for heating mode, if applicable					
Cooling	Y			Average(man	datory)	Y			
Heating	Y			Warmer(if designed)		Y			
				Colder(if des	igned)	Y			
Item	Symbol Value Unit		Item	Symbol	Value	Unit			
	Design load	ł		Seasonal efficiency					
Cooling	Pdesignc	3.5	kW	Cooling	SEER	8.60	—		
Heating/averag e	Pdesignh	3.5	kW	Heating/averag e	SCOP/A	5.10	_		
Heating/warmer	Pdesignh	3.6	kW	Heating/warmer	SCOP/W	5.73	—		
Heating/colder	Pdesignh	5.0	kW	Heating/colder	SCOP/C	4.11	—		
Declared capacity (*) for cooling, at indoor temperature 27(19) °C and outdoor temperature Tj				Declared energy efficiency ratio (*), at indoor temperature 27(19) °C and outdoor temperature Tj					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		

Appendix I: information according to clause 3 of NO 206/2012 ANNEX I , for air conditioners, except single duct and double duct air conditioners

Tj=35°C	Pdc	3.53	kW	Tj=35°C	EERd	5.06	_	
Tj=30°C	Pdc	2.56	kW	Tj=30°C	EERd	7.15	_	
Tj=25°C	Pdc	1.62	kW	Tj=25°C	EERd	9.89		
Tj=20°C	Pdc	0.88	kW	Tj=20°C	EERd	15.26	_	
Declared capa season, at inc outde	• • • •	ature 20 °C	•	Declared coefficient of performance(*)/Average season, at indoor temperature 20 °C and outdoor temperature Tj				
Tj=-7°C	Pdh	3.10	kW	Tj=-7°C	COPd	3.33		
Tj=2°C	Pdh	1.94	kW	Tj=2°C	COPd	5.28	_	
Tj=7°C	Pdh	1.25	kW	Tj=7°C	COPd	6.12		
Tj=12°C	Pdh	0.87	kW	Tj=12°C	COPd	6.49		
Tj=operating limit	Pdh	4.01	kW	Tj=operating limit	COPd	2.59	_	
Tj=bivalent temperature	Pdh	3.10	kW	Tj=bivalent temperature	COPd	3.33		

Function (indicate if present)				Only for heating mode, if applicable				
Cooling	Y			Average(mandatory)		Y		
Heating		Y		Warmer(if de	esigned)	١	(
				Colder(if designed)			Y	
ltem	Symbol	Value	Unit	Item Symbol		Value	Unit	
Declared capac at indoor te	ity (*) for heat mperature 20 temperature	, Declared coefficient of performance(*)/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj						
Tj=2°C	Pdh	3.76	kW	Tj=2°C	COPd	3.16		
Tj=7°C	Pdh	2.38	kW	Tj=7°C	COPd	5.56	_	
Tj=12°C	Pdh	0.87	kW	Tj=12°C	COPd	6.49	_	
Tj=operating limit	Pdh	3.76	kW	Tj=operating limit	COPd	3.16	_	
Tj=bivalent temperature	Pdh	3.76	kW	Tj=bivalent temperature	COPd	3.16	_	
Declared capaci indoor ten	ty (*) for heatin perature 20 ° temperature	C and outdo		Declared coefficient of performance(*)/Colder season, at indoor temperature 20 °C and outdoor temperature Tj				

Tj=-7°C	Pdh	3.10	kW	Tj=-7°C	COPd	3.33	—	
Tj=2°C	Pdh	1.94	kW	Tj=2°C	COPd	5.28	_	
Tj=7°C	Pdh	1.25	kW	Tj=7°C	C-OPd	6.12	_	
Tj=12°C	Pdh	0.87	kW	Tj=12°C	COPd	6.49	—	
Tj=operating limit	Pdh	3.66	kW	Tj=operating limit	COPd	2.13	_	
Tj=bivalent temperature	Pdh	4.20	kW	Tj=bivalent temperature	COPd	2.27		
Tj=-15°C	Pdh	4.20	kW	Tj=-15°C	COPd	2.27	—	
В	ivalent tempe	rature		Operating limit temperature				
Heating/Average Tbiv -7		-7	°C	Heating/Average	e Tol	-10	°C	
Heating/Warme	r Tbiv	2	°C	Heating/Warmer Tol		2	°C	
Heating/Colder	· Tbiv	-15	°C	Heating/Colder	Tol	-30	°C	
Сус	cling interval c	apacity		Cycling interval efficiency				
for cooling	Pcycc	x,x	kW	for cooling	EERcyc	x,x	_	
for heating	Pcych	X,X	kW	for heating	COPcy	x,x		
					С			
Degradation co efficient cooling (**)		0.25		Degradation co- efficient heating (**)		0.25	_	

Fund	ction (indic	cate if present)	Only for heating mode, if applicable				
Cooling		Y		Average(mandatory)		Y	
Heating		Y		Warmer(if designed)		Y	
			Colder(if desig	Y			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Electric power	r input in p 'active	ower modes other th mode'	Annual electricity consumption				
Off mode	P _{OFF}	0.004573	kW	Cooling	Q _{CE}	142	kWh/a
Standby mode	P _{SB}	0.004573	kW	Heating/Average	Q _{HE}	961	kWh/a
Thermostat-off mode	P _{TO}	0.00349/0.00765	kW	Heating/Warmer	Q _{HE}	880	kWh/a
Crankcase	Рск	0	kW	Heating/Colder	Q _{HE}	2554	kWh/a

Capacity control (indicate one of three options)			Other items				
	Ν		Sound power level (indoor/outdoor)	L _{WA}	58/62	dB(A)	
	Ν		Global warming potential	GWP	675	kgCO ₂ eq.	
	Y		Rated air flow (indoor/outdoor)	_	(800/2400)	m³/h	
	rol (indica	N N	N N	N Sound power level (indoor/outdoor) N Global warming potential Rated air flow	N Sound power level L _{WA} (indoor/outdoor) N Global warming potential GWP	N Sound power level (indoor/outdoor) L _{WA} 58/62 N Global warming potential GWP 675	

(*) For staged capacity units, two values divided by a slash ('/') will be declared in each box in the section 'Declared capacity of the unit' and 'declared EER/COP' of the unit.

(**) If default Cd = 0,25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.

For units with capacity control marked 'staged', two values for the highest and lowest, noted 'hi/lo' divided by a slash ('/') will be declared in each box under 'Declared capacity'.