



<i>Test Report No.:</i>		<b>NTRF20180290</b>		<i>Page 1 of 17</i>	
<i>Applicant Name:</i>		<b>AS Wilfa</b> Industriveien 25, 1481 Hagan, Norway			
<i>Test item:</i>		Split Air Conditioner			
<i>Identification:</i>		Trysil Floor Comfort	<i>Serial No.:</i>		Engineering sample
<i>Receipt No.:</i>		RZ00343462	<i>Date of receipt:</i>		2018.9.30
<i>Testing location:</i>		<b>Gree Electric Appliances Inc. of Zhuhai</b> Jinji West Road, Qianshan, Zhuhai, Guangdong 519070, P.R.China			
<i>Test specification:</i>		Commission Regulation (EU) No 206/2012 Commission Delegated Regulation (EU) No 626/2011 EN 14825:2016 EN 14511-2,3:2013 EN 12102-1:2017			
<i>Test Result:</i>		<i>The test items passed the test specification(s).</i>			
<i>Testing Laboratory:</i>		Testing Center of Gree Electric Appliances Inc. of Zhuhai			
<i>tested by:</i>			<i>reviewed by:</i>		
<i>Date</i>	<i>Name/Position</i>	<i>Signature</i>	<i>Date</i>	<i>Name/Position</i>	<i>Signature</i>
<i>Other Aspects:</i>					
<b>Abbreviations:</b> <i>P(ass) = passed</i> <i>F(ail) = failed</i> <i>N/A = not applicable</i> <i>N/T =not tested</i>					
<i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>					

NO 626/2011 &EN 14511 and NO 206/2012 & EN 14825			
Clause	Requirement - Test	Result - Remark	Verdict

### Summary of testing

1. The appliance was tested according to EN 14511.
2. The SEER and SCOP were calculated according to EN14825.
3. All the models are indeticial with each other except the panels.All the tests were performedon the model GEH12AA-K6DNA1A as representative.
4. The samples are engineering samples without serial numbers.

<b>Test item particulars</b> .....	
Class of temperature	T1
Type .....	Split Air Conditioner
Degree of protection	Indoor unit:IPX0 Outdoor unit:IPX4
Supply Connection .....	Type Y attachment
<b>Possible test case verdicts:</b>	
- test case does not apply to the test object .....	N/A
- test object does meet the requirement .....	P(Pass)
- test object does not meet the requirement .....	F(Fail)
<b>Testing</b> .....	
Date of receipt of test item .....	2018.09.10
Date (s) of performance of tests .....	2018.09.12-2018.09.20

### General remarks

- This appliance is split type air conditioner, which consist of one outdoor unit and one indoor unit.
- The indoor unit is a console type air conditioner
- Cooling and heating modes are applied by reverse cycle method. In the heating mode, defrost operation may be applied.
- The indoor unit is equipped with an infrared wireless battery powered remote control unit.

### Critical components:

Model	Compressor model	Indoor fan motor	Outdoor fan motor
<b>TrysilFloorComfort</b>	<b>QXF-A102zE190B</b>	<b>FN30F-ZL</b>	<b>FW30J-ZL</b>



NO 626/2011 &EN 14511 and NO 206/2012 & EN 14825			
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**Rating labels and marking:**

**Match table:**

Whole model	Indoor unit	Outdoor unit
TrysilFloorComfort	TrysilFloorComfort/I	TrysilFloorComfort/O

The artwork below may be only a draft.

The labels of other **Trysil Floor Comfort** are indetical to the representative model **Trysil Floor Comfort** as below except for the model name.

**wilfa**

**SPLIT AIR CONDITIONER  
INDOOR UNIT**

Model **Trysil Floor Comfort**

Rated Voltage **220-240V~**

Rated Frequency **50Hz**

Cooling Capacity **3520W**

Heating Capacity **3800W**

Air Flow Volume **600m<sup>3</sup>/h**

Sound Pressure Level(H) **40dB(A)**

Weight **15.5kg**

Manufactured Date **YYYY.MM**

As Wilfa, Industriveien 25, 1481 Hagan, Norway

63239912928

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**AIR CONDITIONER OUTDOOR UNIT**

Model **Trysil Floor Comfort**

Rated Voltage <b>220-240V~</b>	Cooling Capacity <b>3520W</b>
Rated Frequency <b>50Hz</b>	Heating Capacity <b>3800W</b>
Climate Type <b>T1</b>	Cooling Power Input <b>1000W</b>
Weight <b>30.5kg</b>	Heating Power Input <b>960W</b>
Isolation <b>I</b>	Cooling Rated Input <b>1500W</b>
Refrigerant <b>R32</b>	Heating Rated Input <b>1500W</b>
Refri. Charge <b>0.75kg</b>	Sound Pressure Level <b>52dB(A)</b>
GWP <b>675</b>	CO <sub>2</sub> equivalent <b>0.51tonnes</b>
Moisture Protection <b>TPX4</b>	
Maximum Allowable Pressure <b>4.3MPa</b>	
Operating Pressure for the Discharge Side <b>4.3MPa</b>	
Operating Pressure for the Suction Side <b>2.5MPa</b>	

Manufactured Date **YYYY.MM**

As Wilfa, Industriveien 25, 1481 Hagan, Norway

63239912929

**ENERG** Y IJA  
енергия - енергетика IE IA

Model **Trysil Floor Comfort**

**SEER**

**A<sup>++</sup>**

kw **3,5**

SEER **7,0**

kWh/annum **175**

**SCOP**

**A<sup>++</sup>**

kw **3,3**

SCOP **5,3**

kWh/annum **872**

54dB

62dB

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626/2011 62229973443

NO 626/2011 & EN 14511 and NO 206/2012 & EN 14825			
Clause	Requirement - Test	Result - Remark	Verdict

### Test result of part load according to EN 14825:

#### Calculation of SEER in cooling mode:

<b>Full load (Pdesignc):3500 W</b>		<b>Tdesignc: 35°C</b>		<b>Tested Voltage: 230V</b>		<b>Frequency: 50Hz</b>	
Test item	Indoor DB/WB(°C)	Outdoor DB/WB(°C)	Ptest (W)	Tested EER	Cd		
A	27/19	35/-	3501	3.50	0,25		
B		30/-	2582	5.18	0,25		
C		25/-	1635	8.46	0,25		
D		20/-	897	13.76	0,25		
Psb= Poff =4.269W; Pck= 0W; Pto=4.535W, Q <sub>CE</sub> =175kWh/a							
Test SEER				7.002			
Declared SEER				7.0			
Test SEER≥Declared SEER				Pass			
The calculation method of SEER according to the clause 6 of EN14825:2016							
According table 1 of NO 626/2011, the result efficiency classes: A++							

#### Calculation of SCOP in heating mode:

<b>Full load (Pdesignh):3200W</b>		<b>Tdesignh: -10°C</b>		<b>Climate: Average</b>			
<b>Tbivalent: -10°C ; TOL: -10°C</b>		<b>Tested Voltage: 230V</b>		<b>Frequency: 50Hz</b>			
Test item	Indoor DB(°C)	Outdoor DB/WB(°C)	Ptest(W)	Tested COP	Cd		
A	20/-	-7/-8	2844	2.78	0,25		
B		2/1	1731	4.18	0,25		
C		7/6	1126	4.96	0,25		
D		12/11	1091	6.98	0,25		
E		TOL	3306	2.39	0,25		
F		Tbivalent	3306	2.39	0,25		
Psb= Poff =4.269W; Pck= 0W; Pto=12.46W, Q <sub>HE</sub> = 1075kWh/a							
SCOP				4.166			
Declared SCOP				4.1			
SCOP≥Declared SCOP				Pass			
The calculation method of SEER according to the clause 7 of EN14825:2016							
According table 1 of NO 626/2011, the result efficiency classes: A+							

NO 626/2011 & EN 14511 and NO 206/2012 & EN 14825			
Clause	Requirement - Test	Result - Remark	Verdict

### Calculation of SCOP in heating mode:

<b>Full load (P<sub>designh</sub>):3300W</b>		<b>T<sub>designh</sub>: 2°C</b>		<b>Climate: Warmer</b>	
<b>T<sub>bivalent</sub>: 2°C ; TOL: 2°C</b>		<b>Tested Voltage: 230V</b>		<b>Frequency: 50Hz</b>	
Test item	Indoor DB(°C)	Outdoor DB/WB(°C)	P <sub>test</sub> (W)	T <sub>tested</sub> COP	Cd
A	20/-	/	/	/	0,25
B		2/1	3359	2.25	0,25
C		7/6	2228	4.81	0,25
D		12/11	1091	6.98	0,25
E		TOL	3359	2.25	0,25
F		T <sub>bivalent</sub>	3359	2.25	0.25
P <sub>sb</sub> = P <sub>off</sub> =4.269W; P <sub>ck</sub> = 0W; P <sub>to</sub> =12.46W, Q <sub>HE</sub> = 871kWh/a					
SCOP				5.301	
Declared SCOP				5.3	
SCOP ≥ Declared SCOP				Pass	
The calculation method of SEER according to the clause 7 of EN14825:2016					
According table 1 of NO 626/2011, the result efficiency classes: A+++					

NO 626/2011 & EN 14511 and NO 206/2012 & EN 14825			
Clause	Requirement - Test	Result - Remark	Verdict

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

Function (indicate if present)				Only for heating mode, if applicable			
Cooling	Y			Average(mandatory)	Y		
Heating	Y			Warmer(if designed)	Y		
				Colder(if designed)	N		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Design load				Seasonal efficiency			
Cooling	Pdesignc	3.5	kW	Cooling	SEER	7.0	—
Heating/average	Pdesignh	3.2	kW	Heating/average	SCOP/A	4.1	—
Heating/warmer	Pdesignh	3.3	kW	Heating/warmer	SCOP/W	5.3	—
Heating/colder	Pdesignh	-	kW	Heating/colder	SCOP/C	-	—
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
Tj=35°C	Pdc	3.50	kW	Tj=35°C	EERd	3.50	—
Tj=30°C	Pdc	2.58	kW	Tj=30°C	EERd	5.18	—
Tj=25°C	Pdc	1.63	kW	Tj=25°C	EERd	8.46	—
Tj=20°C	Pdc	0.89	kW	Tj=20°C	EERd	13.76	—
Declared capacity (*) for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance(*)/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj=-7°C	Pdh	2.844	kW	Tj=-7°C	COPd	2.78	—
Tj=2°C	Pdh	1.731	kW	Tj=2°C	COPd	4.18	—
Tj=7°C	Pdh	1.126	kW	Tj=7°C	COPd	4.96	—
Tj=12°C	Pdh	1.091	kW	Tj=12°C	COPd	6.98	—
Tj=operating limit	Pdh	3.306	kW	Tj=operating limit	COPd	2.39	—
Tj=bivalent temperature	Pdh	3.306	kW	Tj=bivalent temperature	COPd	2.39	—

NO 626/2011 &EN 14511 and NO 206/2012 & EN 14825							
Clause	Requirement - Test			Result - Remark			Verdict
Function (indicate if present)				Only for heating mode, if applicable			
Cooling	Y			Average(mandatory)	Y		
Heating	Y			Warmer(if designed)	Y		
				Colder(if designed)	N		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Declared capacity (*) for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance(*)/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj=2°C	Pdh	3.35	kW	Tj=2°C	COPd	2.25	—
Tj=7°C	Pdh	2.22	kW	Tj=7°C	COPd	4.81	—
Tj=12°C	Pdh	1.09	kW	Tj=12°C	COPd	6.98	—
Tj=operating limit	Pdh	3.35	kW	Tj=operating limit	COPd	2.25	—
Tj=bivalent temperature	Pdh	3.35	kW	Tj=bivalent temperature	COPd	2.25	—
Declared capacity (*) for heating/Colder season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance(*)/Colder season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj=-7°C	Pdh	-	kW	Tj=-7°C	COPd	-	—
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	—
Tj=7°C	Pdh	-	kW	Tj=7°C	C-OPd	-	—
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	—
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	—
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	—
Tj=-15°C	Pdh	--	kW	Tj=-15°C	COPd	--	—
Bivalent temperature				Operating limit temperature			
Heating/Average	Tbiv	-10	°C	Heating/Average	Tol	-10	°C
Heating/Warmer	Tbiv	2	°C	Heating/Warmer	Tol	2	°C
Heating/Colder	Tbiv	-	°C	Heating/Colder	Tol	-	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcycc	x,x	kW	for cooling	EERcyc	x,x	—
for heating	Ppsych	x,x	kW	for heating	COPcyc	x,x	—
Degradation co-efficient cooling (**)	Cdc	0.25	—	Degradation co-efficient heating (**)	Cdh	0.25	—



NO 626/2011 &EN 14511 and NO 206/2012 & EN 14825							
Clause	Requirement - Test			Result - Remark			Verdict
Function (indicate if present)				Only for heating mode, if applicable			
Cooling	Y			Average(mandatory)	Y		
Heating	Y			Warmer(if designed)	Y		
				Colder(if designed)	N		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Off mode	P <sub>OFF</sub>	0.004269	kW	Cooling	Q <sub>CE</sub>	175	kWh/a
Standby mode	P <sub>SB</sub>	0.004269	kW	Heating/Average	Q <sub>HE</sub>	1093	kWh/a
Thermostat-off mode	P <sub>TO</sub>	0.004535/0.01246	kW	Heating/Warmer	Q <sub>HE</sub>	872	kWh/a
Crankcase heater mode	P <sub>CK</sub>	0	kW	Heating/Colder	Q <sub>HE</sub>	-	kWh/a
Capacity control (indicate one of three options)				Other items			
fixed	N			Sound power level (indoor/outdoor)	L <sub>WA</sub>	54/62	dB(A)
staged	N			Global warming potential	GWP	675	kgCO <sub>2</sub> eq.
variable	Y			Rated air flow (indoor/outdoor)	—	600/2200	m <sup>3</sup> /h
<b>Contact details for obtaining more information on the setting of the unit</b>			<b>AS Wilfa</b> <b>Industriveien 25, 1481 Hagan, Norway</b> <b>Email: <a href="mailto:support@wilfa.com">support@wilfa.com</a></b>				
<p>(*) 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.</p> <p>(**) 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.</p> <p>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'.</p>							

--End of report--