

EU SEER/SCOP Test

欧盟SEER/SCOP测试

Version 1.0

Test Standard 测试标准:	<input checked="" type="checkbox"/> (EU) No 626/2011	<input checked="" type="checkbox"/> (EU) No 206/2012	<input checked="" type="checkbox"/> EN14825	<input checked="" type="checkbox"/> EN 14511	<input checked="" type="checkbox"/> ENV 12102	<input type="checkbox"/> Other _____
---------------------	------------------------------------------------------	------------------------------------------------------	---------------------------------------------	----------------------------------------------	-----------------------------------------------	--------------------------------------

GPA requirement: 产品审批要求:	
GPA requirement for rated SEER GPA 的额定制冷季节能效比要求 (%)	>=100%
GPA requirement for rated SCOP GPA 的额定制热季节性能系数要求 (%)	>=100%
GPA requirement for Sound Power GPA 的声功率要求	<=Rated
<input checked="" type="checkbox"/> Inverter Single Split type 变频一拖一分体机 <input type="checkbox"/> On/off Single Split type 定速一拖一分体机 <input type="checkbox"/> Inverter Multisplit type 变频一拖多分体机 <input type="checkbox"/> On/off Multisplit type 定速一拖多分体机	

EU Hisense Model: EU 海信型号:	Indoor:TQ50BA0EG Outdoor:TQ50BA0EW	Manufacturer Model: 工厂型号:	AST-18UW4RBATQ00B
-------------------------------	---------------------------------------	------------------------------	-------------------

Test Result:

Function (indicate to which function information applies)					If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.				
Cooling	Y				Average (mandatory)	Y			
Heating	Y				Warmer (if designated)	Y			
					Colder (if designated)	N			

Item	Symbol	Rated value	Tested Value	Unit	Item	symbol	Rated value	Tested Value	unit
Design load					Seasonal efficiency				
cooling	Pdesignc	5.0	5.013	kW	cooling	SEER	8.1	8.11	—
heating/Average	Pdesignh	4.0	4.029	kW	heating/Average	SCOP(A)	4.6	4.62	—
heating/Warmer	Pdesignh	4.2	4.210	kW	heating/Warmer	SCOP(W)	5.5	5.51	—
heating/Colder	Pdesignh	NA	NA	kW	heating/Colder	SCOP(C)	NA	NA	—

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				
Tj = 35 °C	Pdc	5.0	5.013	kW	Tj = 35 °C	EERpl	4.0	4.03	—
Tj = 30 °C	Pdc	3.8	3.806	kW	Tj = 30 °C	EERpl	6.0	6.06	—
Tj = 25 °C	Pdc	2.3	2.375	kW	Tj = 25 °C	EERpl	10.1	10.16	—
Tj = 20 °C	Pdc	1.8	1.866	kW	Tj = 20 °C	EERpl	15.4	15.48	—

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	3.5	3.564	kW	Tj = -7 °C	COPpl	2.9	2.95	—
Tj = 2 °C	Pdh	2.1	2.190	kW	Tj = 2 °C	COPpl	4.6	4.62	—
Tj = 7 °C	Pdh	1.4	1.473	kW	Tj = 7 °C	COPpl	5.9	5.91	—
Tj = 12 °C	Pdh	1.3	1.355	kW	Tj = 12 °C	COPpl	7.6	7.68	—
Tj = operating limit	Pdh	3.2	3.253	kW	Tj = operating limit	COPpl	3.1	3.14	—
Tj = bivalent temperature	Pdh	3.5	3.564	kW	Tj = bivalent temperature	COPpl	2.9	2.95	—

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	2.9	2.985	kW	Tj = 2 °C	COPd	3.6	3.64	—
Tj = 7 °C	Pdh	2.7	2.706	kW	Tj = 7 °C	COPd	5.0	5.02	—
Tj = 12 °C	Pdh	1.2	1.212	kW	Tj = 12 °C	COPd	6.9	6.94	—
Tj = bivalent temperature	Pdh	3.6	3.610	kW	Tj = bivalent temperature	COPd	3.6	3.64	—
Tj = operating limit	Pdh	2.9	2.985	kW	Tj = operating limit	COPd	4.0	4.00	—

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	NA	NA	kW	Tj = -7 °C	COPd	NA	NA	—
Tj = 2 °C	Pdh	NA	NA	kW	Tj = 2 °C	COPd	NA	NA	—
Tj = 7 °C	Pdh	NA	NA	kW	Tj = 7 °C	COPd	NA	NA	—
Tj = 12 °C	Pdh	NA	NA	kW	Tj = 12 °C	COPd	NA	NA	—
Tj = bivalent temperature	Pdh	NA	NA	kW	Tj = bivalent temperature	COPd	NA	NA	—
Tj = operating limit	Pdh	NA	NA	kW	Tj = operating limit	COPd	NA	NA	—

Tj = -15 °C	Pdh	NA	NA	kW	Tj = -15 °C	COPd	NA	NA	—
Bivalent temperature					Operating limit temperature				
heating/Average	Tbiv	-7	NA	°C	heating/Average	Tol	-10	NA	°C
heating/Warmer	Tbiv	NA	NA	°C	heating/Warmer	Tol	NA	NA	°C
heating/Colder	Tbiv	NA	NA	°C	heating/Colder	Tol	NA	NA	°C
Power consumption of cycling					Efficiency of cycling				
cooling	Pcycc	NA	NA	kW	cooling	EERcyc	NA	NA	—
heating	Pcyh	NA	NA	kW	heating	COPcyc	NA	NA	—
Degradation co-efficient cooling (**)	Cdc	0.25	NA	—	Degradation co-efficient heating (**)	Cdh	0.25	NA	—
Electric power input in power modes other than 'active mode'					Seasonal electricity consumption				
off mode	P _{OFF}	0.00100	0.00100	kW	cooling	Q _{CE}	216	216	kWh/a
standby mode	P _{SB}	0.00100	0.00100	kW	heating/Average	Q _{HE}	1217	1221	kWh/a
thermostat-off mode	P _{TO}	0.035	0.035	kW	heating/Warmer	Q _{HE}	1069	1070	kWh/a
crankcase heater mode	P _{CK}	NA	NA	kW	heating/Colder	Q _{HE}	NA	NA	kWh/a
Capacity control (indicate one of three options)					Other items				
fixed	N				Sound power level (indoor)	LWA	60	59.6	dB(A)
					Sound power level (outdoor)	LWA	65	64.4	dB(A)
staged	N				Global warming potential	GWP	675	NA	kgCO ₂ eq.
variable	Y				Rated air flow (indoor/outdoor)	—	—	—	m ³ /h

TEST CONCLUSION: 测试结论

Are the SEER and SCOP TEST results Compliant or Non-Compliant? SEER/SCOP测试是否符合要求?

Compliant

梁梓华

梁梓华

Tested by (name + signature)

Approved by (name + signature)

测试员 (姓名, 签名)

批准人 (姓名, 签名)