

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 _____
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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:TQ70DB0EG Outdoor:TQ70DB0EW	Manufacturer Model: 工厂型号:	AST-24UW4RDBTQ00B
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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	7.0	7.020	kW	cooling	SEER	7.9	7.93	—
heating/Average	Pdesignh	5.0	5.015	kW	heating/Average	SCOP(A)	4.6	4.62	—
heating/Warmer	Pdesignh	5.5	5.510	kW	heating/Warmer	SCOP(W)	5.4	5.41	—
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	7.0	7.001	kW	Tj = 35 °C	EERpl	3.9	3.95	—
Tj = 30 °C	Pdc	5.1	5.186	kW	Tj = 30 °C	EERpl	5.9	5.92	—
Tj = 25 °C	Pdc	3.3	3.320	kW	Tj = 25 °C	EERpl	9.5	9.54	—
Tj = 20 °C	Pdc	2.5	2.525	kW	Tj = 20 °C	EERpl	14.9	14.95	—

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	4.3	4.386	kW	Tj = -7 °C	COPpl	3.0	3.02	—
Tj = 2 °C	Pdh	2.8	2.819	kW	Tj = 2 °C	COPpl	4.9	4.91	—
Tj = 7 °C	Pdh	1.6	1.692	kW	Tj = 7 °C	COPpl	5.5	5.52	—
Tj = 12 °C	Pdh	1.9	1.985	kW	Tj = 12 °C	COPpl	6.7	6.71	—
Tj = operating limit	Pdh	3.9	3.969	kW	Tj = operating limit	COPpl	2.8	2.83	—
Tj = bivalent temperature	Pdh	4.3	4.386	kW	Tj = bivalent temperature	COPpl	3.0	3.02	—

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	3.9	3.913	kW	Tj = 2 °C	COPd	3.6	3.64	—
Tj = 7 °C	Pdh	3.5	3.550	kW	Tj = 7 °C	COPd	4.9	4.98	—
Tj = 12 °C	Pdh	1.5	1.577	kW	Tj = 12 °C	COPd	6.7	6.79	—
Tj = bivalent temperature	Pdh	4.7	4.720	kW	Tj = bivalent temperature	COPd	3.9	3.95	—
Tj = operating limit	Pdh	3.9	3.913	kW	Tj = operating limit	COPd	3.6	3.64	—

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}	310	310	kWh/a
standby mode	P _{SB}	0.00100	0.00100	kW	heating/Average	Q _{HE}	1522	1520	kWh/a
thermostat-off mode	P _{TO}	0.052	0.052	kW	heating/Warmer	Q _{HE}	1426	1426	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	63	62.6	dB(A)
					Sound power level (outdoor)	LWA	69	68.8	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	

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梁梓宇

Tested by (name + signature)

Approved by (name + signature)

测试员 (姓名, 签名)

批准人 (姓名, 签名)