

根據強制性能源效益標籤計劃(強制性標籤計劃)進行的能源表現監察測試結果(空調機) - 2023年
Results of Compliance Monitoring Tests on Energy Performance under Mandatory Energy Efficiency Labelling Scheme (MEELS)
(Room Air Conditioners) - Year 2023

項目 No.	品牌 Brand	型號 Model Name	獲機電工程署編配參考編號 EMSD Assigned Reference Number	強制性標籤計劃下的能源效益級別 Energy Efficiency Grade under MEELS	額定制冷量 (千瓦) ^{註2} Rated Cooling Capacity (kW) ^{Note 2}	額定制冷功率消耗量 (額定瓦數) (千瓦) ^{註2} Rated Cooling Power Consumption (Rated Wattage) (kW) ^{Note 2}	額定制暖量 (千瓦) ^{註2} Rated Heating Capacity (kW) ^{Note 2}	額定制暖功率消耗量 (額定瓦數) (千瓦) ^{註2} Rated Heating Power Consumption (Rated Wattage) (kW) ^{Note 2}	測試出的製冷量 (千瓦) ^{註2} Measured Cooling Capacity (kW) ^{Note 2}	測試出的製冷功率消耗量 (測試出的瓦數) (千瓦) ^{註2} Measured Cooling Power Consumption (Measured Wattage) (kW) ^{Note 2}	測試出的供暖量 (千瓦) ^{註2} Measured Heating Capacity (kW) ^{Note 2}	測試出的供暖功率消耗量 (測試出的瓦數) (千瓦) ^{註2} Measured Heating Power Consumption (Measured Wattage) (kW) ^{Note 2}	是否符合強制性標籤計劃的要求 ^{註1} Conformance with MEELS Requirements? ^{Note 1}	備註 Remark
測試結果發放日期: 2023年12月 Test Results Release Date: December 2023														
1	富士電機 Fuji Electric	RSG12JMCB-A/ROG12JMCB-A	U1-C150191	1	3.50	1.06	N/A	N/A	3.59	1.15	N/A	N/A	是 Yes	
2	三菱電機 MITSUBISHI ELECTRIC	MSY-GJ13VA / MU-Y-GJ13VA	U1-C150214	1	3.20	1.03	N/A	N/A	3.53	1.04	N/A	N/A	是 Yes	
3	大金 DAIKIN	FTXM71SV1N / RXM71SV1N	U1-C180115	1	7.20	2.15	7.80	2.01	7.02	2.15	8.25	2.09	是 Yes	
4	樂信牌 Rasonic	RS-PV18VK / RU-PV18VK	U1-C190021	4	5.14	1.72	N/A	N/A	5.03	1.75	N/A	N/A	是 Yes	
5	大金 DAIKIN	FTXA50BV1H / RXA50AV1H	U1-C220224	1	5.00	1.92	4.51	1.42	5.23	2.03	4.67	1.45	是 Yes	
6	Panasonic	CS-Z18ZKA / CU-Z18ZKA	U1-C230072	1	5.20	1.40	5.80	1.40	5.43	1.49	5.81	1.48	是 Yes	
7	三菱重工 MHI	SRK50EEC1 / SRC50EEC1	U1-C230121	1	5.00	1.75	N/A	N/A	5.11	1.69	N/A	N/A	是 Yes	
8	格力 GREE	GWFF24CV	U2-C210045	2	6.30	2.10	N/A	N/A	6.63	2.10	N/A	N/A	是 Yes	
9	格力 GREE	G209RN	U2-C210154	4	2.58	0.88	N/A	N/A	2.41	0.88	N/A	N/A	是 Yes	
10	樂信牌 Rasonic	RC-X9HA	U2-C220010	4	2.58	0.88	N/A	N/A	2.41	0.88	N/A	N/A	是 Yes	
11	美的 Midea	MW-22CRF8C	U2-C220157	2	6.45	1.88	N/A	N/A	6.17	1.83	N/A	N/A	是 Yes	
12	White-Westinghouse	WWN21CRV	U2-C230050	1	6.45	1.88	N/A	N/A	6.28	1.81	N/A	N/A	是 Yes	
13	開利 Carrier	CHK18VF	U2-C230113	1	5.15	1.50	N/A	N/A	5.42	1.41	N/A	N/A	是 Yes	
測試結果發放日期: 2023年06月 Test Results Release Date: June 2023														
1	三菱電機 MITSUBISHI ELECTRIC	MSZ-YK12VA-H1	U1-C150157	1	3.60	1.02	4.50	1.20	3.60	1.01	4.45	1.19	是 Yes	
2	富士電機 Fuji Electric	RKR09FPPTN	U2-C180074	4	2.58	0.88	N/A	N/A	2.45	0.87	N/A	N/A	是 Yes	
3	大金 DAIKIN	FTXM50SV1N / RXM50SV1N	U1-C180113	1	5.00	1.27	6.00	1.42	5.09	1.23	6.20	1.47	是 Yes	註3 Note 3
4	開利 Carrier	42KHA022VS/38KHA022VS	U1-C210107	1	6.40	2.10	N/A	N/A	6.35	2.07	N/A	N/A	是 Yes	
5	豐澤牌 fortress	FSAV09M22	U1-C220099	1	2.64	0.67	N/A	N/A	2.64	0.65	N/A	N/A	是 Yes	
測試結果發放日期: 2023年03月 Test Results Release Date: March 2023														
1	樂信牌 Rasonic	RS-V18RW/RU-V18RW	U1-C140204	5	5.10	1.78	N/A	N/A	5.17	1.86	N/A	N/A	是 Yes	
2	美的 Midea	MS-22CRFB	U1-C210007	1	6.59	2.16	N/A	N/A	6.52	1.99	N/A	N/A	是 Yes	
3	東芝 TOSHIBA	RAS-18J2KCV(HK)	U1-C210110	1	5.30	1.83	N/A	N/A	5.16	1.83	N/A	N/A	是 Yes	
4	卓爾 Summe	WAC-S1207	U2-C220032	4	3.40	1.16	N/A	N/A	3.46	1.14	N/A	N/A	是 Yes	

- 註: 1. 如空調機某表列型號的單一標本的測試結果符合以下標準(產品能源標籤實務守則2020第7.11段), 則該表列型號會獲接納為符合有關規定:
- (a) 在標準製冷條件 (T1 氣候) 下進行最大製冷輸出測試所測試出的製冷量 $\phi_{cl}(35)$, 不低於其額定制冷量的 90%。在標準供暖條件 (H1 氣候) 下進行最大供暖輸出測試所測試出的供暖量 $\phi_{h1}(7)$, 不低於其額定制暖量的 90%;
 - (b) 在標準製冷條件 (T1 氣候) 下進行最大製冷輸出測試所測試出的功率消耗量 $P_{cl}(35)$, 不高於其額定制冷功率消耗量的 110%。在標準供暖條件 (H1 氣候) 下進行最大供暖輸出測試所測試出的功率消耗量 $P_{h1}(7)$, 不高於其額定制暖功率消耗量的 110%;
 - (c) 計算出的製冷季節性表現係數不得低於其額定制冷季節性表現係數的 92%。計算出的供暖季節性表現係數不得低於其額定制暖季節性表現係數的 92%;
 - (d) 附有第 1、2、3 或 4 級能源標籤的淨製冷型及逆轉循環型空調機已通過最大製冷表現測試。附有第 1、2、3 或 4 級能源標籤的逆轉循環型空調機已通過最大供暖表現測試; 及
 - (e) 所測試出的能源效益級別符合以下其中一項規定:
 - (i) 在監察測試中所計算出的製冷能源效益級別, 相等於指明人士向機電工程署呈交的測試結果所釐定的製冷能源效益級別或較該級別為佳。在監察測試中所計算出的供暖能源效益級別, 相等於指明人士向機電工程署呈交的測試結果所釐定的供暖能源效益級別或較該級別為佳; 或

- (ii) 在監察測試中所計算出的製冷能源效益級別，如不等於向機電工程署呈交的測試結果所釐定的製冷能源效益級別或較該級別為差，則在監察測試中所計算出的製冷季節性表現系數，不得低於向機電工程署呈交的測試結果所計算出的製冷季節性表現系數的 92%，並在任何情況下都不低於下一個較低製冷能源效益級別所允許的最低製冷季節性表現系數。如在監察測試中所計算出的供暖源能效益級別，不等於向機電工程署呈交的測試結果所釐定的供暖源能效益級別或較該級別為差，則在監察測試中所計算出的供暖季節性表現系數，不得低於向機電工程署呈交的測試結果所計算出的供暖季節性表現系數的 92%，並在任何情況下都不低於下一個較低供暖源能效益級別所允許的最低供暖季節性表現系數。
(註：製冷季節性表現系數用作釐定產品能源效益級別，如欲了解詳細的計算方法，可參閱產品能源標籤實務守則2020第 7.6 段。)

2. 表列的數值經四捨五入方式顯示。
3. 該型號在首次測試未能符合要求後，在進一步的測試中所得的測試結果。
4. 根據《能源效益（產品標籤）條例》（第598章）第17條，此產品型號的參考編號已從表列型號的紀錄冊上被刪除。因此，此產品型號不得在本港供應。

Note: 1. A listed model of room air conditioner will be accepted as conformance if the test results of a single sample of the listed model meet the following criteria (clause 7.11 of the Code of Practice on Energy Labelling of Products 2020 (the Code)):

- (a) The tested cooling capacity $\Phi_{cl}(35)$ from cooling full capacity test at standard cooling condition (T1 climate) being not less than 90% of the rated cooling capacity. The tested heating capacity $\Phi_{hl}(7)$ from heating full capacity test at standard heating condition (H1 climate) being not less than 90% of the rated heating capacity;
- (b) The tested power consumption $P_{tot}(35)$ from cooling full capacity test at standard cooling condition (T1 climate) being not greater than 110% of the rated power consumption. The tested power consumption $P_{tot}(7)$ from heating full capacity test at standard heating condition (H1 climate) being not greater than 110% of the rated power consumption;
- (c) The calculated cooling seasonal performance factor being not less than 92% of the rated cooling seasonal performance factor. The calculated heating seasonal performance factor being not less than 92% of the rated heating seasonal performance factor;
- (d) The cooling only type and reverse cycle type room air conditioner (with a Grade 1, 2, 3 or 4 energy label) passing the maximum cooling performance test. The reverse cycle type room air conditioner (with a Grade 1, 2, 3 or 4 energy label) passing the maximum heating performance test; and
- (e) The tested energy efficiency grade meeting either one of the following:
 - (i) The cooling energy efficiency grade calculated in the compliance monitoring testing being equal to or better than the cooling energy efficiency grade determined by the test results submitted to the EMSD by the specified person. The heating energy efficiency grade calculated in the compliance monitoring testing being equal to or better than the heating energy efficiency grade determined by the test results submitted to the EMSD by the specified person; or
 - (ii) If the cooling energy efficiency grade calculated in the compliance monitoring testing being not equal to nor better than the cooling energy efficiency grade determined by the test results submitted to the EMSD, the cooling seasonal performance factor calculated in the compliance monitoring testing being not less than 92% of the cooling seasonal performance factor calculated by the test results submitted to the EMSD, and in any cases not less than the lowest cooling seasonal performance factor allowed in the next lower cooling energy efficiency grade. If the heating energy efficiency grade calculated in the compliance monitoring testing being not equal to nor better than the heating energy efficiency grade determined by the test results submitted to the EMSD, the heating seasonal performance factor calculated in the compliance monitoring testing being not less than 92% of the heating seasonal performance factor calculated by the test results submitted to the EMSD, and in any cases not less than the lowest heating seasonal performance factor allowed in the next lower heating energy efficiency grade.

(Remark: Cooling seasonal performance factor is used to determine the energy efficiency grade of a product. Please refer to clause 7.6 of the Code of Practice on Energy Labelling of Products 2020 for details of calculation method.)

2. All values are rounded figures.
3. Results of further testing conducted after failure of the product to pass the first test.
4. Under section 17 of the Energy Efficiency (Labelling of Products) Ordinance Cap. 598, the reference number of the model has been removed from the record of listed models. As a result, this model is not allowed to be supplied in Hong Kong.