

Economy Presentation on Testing & Compliance for Standards & Labelling

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Contents

- Mandatory Energy Efficiency Labelling Scheme (MEELS)
- Education & Publicity
- Compliance Monitoring

Mandatory Energy Efficiency Labelling Scheme (MEELS)

- HK Government has introduced a MEELS through Energy Efficiency (Labelling of Products) Ordinance, Cap. 598.
- The legislation was enacted on 9 May 2008.
- Energy labels are required to be shown on prescribed products for supply in Hong Kong.



MEELS

Phase	Product Coverage	Date of Implementation
Initial Phase	<ul style="list-style-type: none">• Room air conditioners• Refrigerating appliances• Compact fluorescent lamps (Total ~60% of household electricity consumption)	Fully implemented since 9 November 2009
2 nd Phase	<ul style="list-style-type: none">• Washing machines• Dehumidifiers (Total ~7% of household electricity consumption)	Fully implemented since 19 September 2011



MEELS

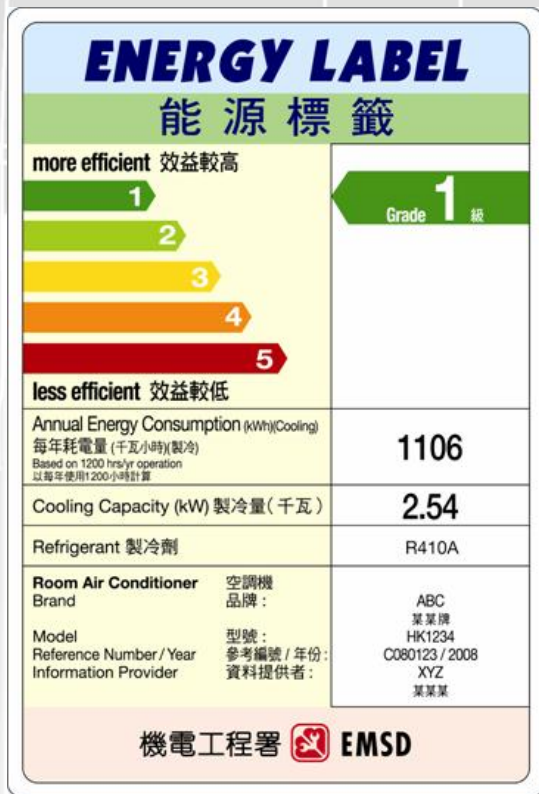
- Obligations of Importers and Local Manufacturers

- Submit product information, including test report, to EMSD for assignment of reference number, prior to supplying a prescribed product.
- Shall not supply a prescribed product unless it-
 - is a listed model having a reference number assigned in the name of the importer/local manufacturer; and
 - bears an energy label in specified format.

-Obligations of Distributors and Retailers

- Shall not supply a prescribed product unless it-
 - is a listed model; and
 - bears an energy label in specified format.

Energy Labels



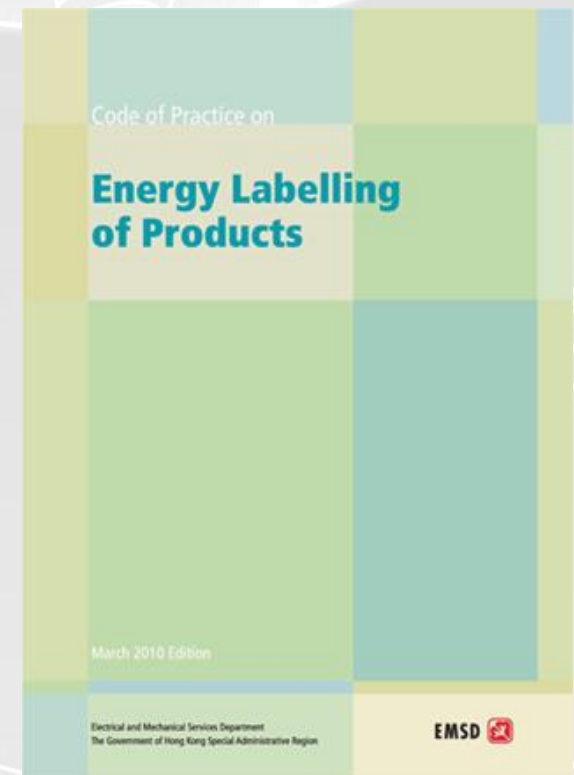
Room air conditioners



Compact fluorescent lamps

Code of Practice on Energy Labelling of Products

- Provide practical guidance and technical details in respect of the requirements on energy efficiency labelling
- Including:
 - Requirements on testing laboratory
 - Requirements on test reports
 - Testing standards, e.g. ISO, IEC
 - Energy efficiency grading calculation method, etc.



Record of Listed Models

- EMSD maintains a record of all listed models which can be accessed via website (www.emsd.gov.hk).
- ~4,500 listed models

Education & Publicity



Launching ceremony with trade members



Announcement on TV



Trade seminars

Advertisements



School outreach programme



Pamphlet & Poster



Publications



Compliance Monitoring – Shop Inspections

- Shop inspections to check proper energy labels on products
- Take enforcement actions for non-compliant products-
 - Require to rectification
 - Prohibit to supply
 - Take prosecution actions

Compliance Monitoring - Testing

- Compliance monitoring testing to audit check energy efficiency of products
- Selection of listed models
 - random basis
 - risk basis
 - complaints received

Compliance Monitoring - Testing (cont'd)

- By independent accredited test laboratories
- No. of test samples
 - 1 sample for each model (except CFL)
 - 20 samples for each CFL model
- Test samples to be purchased from retail market
- Further testing if necessary
- De-list models failed in monitoring tests (not allowed to be supplied after delisting)

Compliance Monitoring

- Upload test results on EMSD website

Promoting Energy Efficiency and Conservation : Mandatory Energy Efficiency Labelling Scheme : C - In...

http://www.emsd.gov.hk/emsd/eng/pee/eels_cm

機電工程署
EMSD
Electrical and Mechanical Services Department
The Government of the Hong Kong Special Administrative Region

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Mandatory Energy Efficiency Labelling Scheme : Compliance Monitoring Testing on Energy Performance

EMSD regularly selects samples of listed models for compliance monitoring testing on energy performance by independent accredited laboratories to check that the products conform with the energy efficiency information submitted to EMSD. If a listed model is found not conforming with the information submitted to EMSD, its reference number will be removed from the record of listed models and the model will not be allowed to be supplied in Hong Kong.

The results of compliance monitoring tests on energy performance conducted under mandatory Energy Efficiency Labelling Scheme are listed as below.

Room Air Conditioner

- [Test Result 2012](#) [PDF format (137KB)] **NEW**
- [Test Result 2011](#) [PDF format (119KB)]
- [Test Result 2010](#) [PDF format (130KB)]

Refrigerating Appliances

- [Test Result 2012](#) [PDF format (141KB)] **NEW**
- [Test Result 2011](#) [PDF format (111KB)]
- [Test Result 2010](#) [PDF format (142KB)]

Compact Fluorescent Lamps

- [Test Result 2012](#) [PDF format (117KB)] **NEW**
- [Test Result 2011](#) [PDF format (176KB)]
- [Test Result 2010](#) [PDF format (176KB)]

Dehumidifiers

- [Test Result 2012](#) [PDF format (127KB)] **NEW**
- [Test Result 2011](#) [PDF format (112KB)]

http://www.emsd.gov.hk/emsd/e_download/pee/emplnc_mntr_test_RAC_2011.pdf

Results of Compliance Monitoring Tests on Energy Performance under Mandatory Energy Efficiency Labelling Scheme (MEELS) (Room Air Conditioners) - Year 2011

測試結果發放日期: 2011年12月
Test Results Release Date: December 2011

項目 No.	品牌 Brand	型號 Model Name	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	額定製冷量 (千瓦) Rated Cooling Capacity (kW)	額定功率消耗量 (千瓦) Rated Power Consumption (Rated Wattage) (kW)	測試出的製冷量 (千瓦) Measured Cooling Capacity (kW) ^{note 2}	測試出的功率消耗量 (千瓦) Measured Power Consumption (Measured Wattage) (kW) ^{note 2}	是符合強制性標籤計 要求? Compliance with MEELS Requirements? ^{note 1}	備註 Remark
1	美的 Midea	MWH-09CM1	C080055	1	2.58	0.94	2.42	0.90	是 Yes	
2	樂信牌 Rasonic	RS-PC9G/RU-PC9GK	C090001	2	2.50	0.90	2.57	0.91	是 Yes	
3	日立牌 HITACHI	RAS-E10CVK / RAC-E10CVK	C090088	1	2.70	0.83	2.79	0.87	是 Yes	
4	富士電機 Fuji Electric	RS18JFC	C090129	1	5.20	1.58	5.36	1.49	是 Yes	
5	富士電機 Fuji Electric	RS24JFC	C090130	2	7.00	2.31	6.54	2.04	是 Yes	
6	家樂華 Kelvinator	KASC18GNPWDR	C090328	2	5.28	1.75	4.93	1.72	是 Yes	
7	三菱重工 MITSUBISHI	SRKAG50CV- E/SRCAG50CN-E	C090487	2	4.55	1.50	4.53	1.54	是 Yes	
8	北極 FRIGIDAIRE	FASC12GGCWD	C100040	1	3.52	1.15	3.39	1.10	是 Yes	
9	樂信牌 SHARP	AF-A9LA	C100051	1	2.58	0.89	2.52	0.90	是 Yes	
10	AKAI	ACW18GM	C100092	2	5.30	2.10	5.20	2.02	是 Yes	
11	格力 GREE	GSA18	C100095	1	5.20	1.60	4.89	1.60	是 Yes	

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Delisting of Non-compliant Models - Not Allowed to be Supplied in HK

Promoting Energy Efficiency and Conservation : Mandatory Energy Efficiency Labelling Scheme : M - I...

http://www.emsd.gov.hk/emsd/eng/pee/eels_mr

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The Government of the Hong Kong Special Administrative Region

GovHK 香港政府一站通 繁體版 简体版

Mandatory Energy Efficiency Labelling Scheme : Models with Reference Numbers Removed

- Room Air Conditioners
- Refrigerating Appliances
- Compact Fluorescent Lamps
- Dehumidifiers

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http://www.emsd.gov.hk/emsd/eng/pee/eels_mreg_cfl_remove.shtml

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Mandatory Energy Efficiency Labelling Scheme : Models with Reference Numbers Removed

Compact Fluorescent Lamps
Models with Reference Numbers Removed

[Sort by date of removal](#) [Sort by reference number](#) [Sort by Brand](#)

Energy Label Information before Removal of Reference Number								Date of Removal of Reference No.
Brand	Model	Reference No.	Year of Assignment of Reference No.	Luminous Efficacy (Lumen per watt)	Energy Efficiency Grade (1 to 5)	Rated Wattage (W)		
TAI CHI	TC-S 20W-W-B22	L090207	2009	65	1	20	27/8/2009	
TAI CHI	TC-S 20W-W-E27	L090206	2009	65	1	20	27/8/2009	
TAI CHI	TC-S 20W-Y-B22	L090205	2009	67	1	20	27/8/2009	
TAI CHI	TC-S 20W-Y-E27	L090204	2009	67	1	20	27/8/2009	
GE	FLE18TBX/827/2/E27 Edison Plus	L090192	2009	63	1	18	16/12/2009	
GE	FLE6DBX/827/2/E14 Edison Plus	L090695	2009	48	2	6	16/12/2009	
GE	FLE6DBX/827/2/E27 Edison Plus	L090184	2009	48	2	6	16/12/2009	
GE	FLE9TBX/865/2/E14 Edison Plus	L090188	2009	53	1	9	16/12/2009	
GE	FLE9TBX/865/E27 Edison Plus	L090187	2009	53	1	9	16/12/2009	
OSRAM	DULUXSTAR 20W/827 B22d	L091205	2009	58	3	20	5/3/2010	
OSRAM	DULUXSTAR 20W/827 E27	L090609	2009	58	3	20	5/3/2010	
OSRAM	DULUXSTAR 20W/840 E27	L090610	2009	58	3	20	5/3/2010	
OSRAM	DULUXSTAR 20W/865 B22d	L091206	2009	56	3	20	5/3/2010	

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Thank You

EMSD Website

www.emsd.gov.hk