



sanedi

South African National Energy
Development Institute (SNC) Ltd.



S&L User Guideline (2022 Update)



Dishwashers



Washer-Dryers



Washing Machines



Tumble Dryers



Electric Ovens



Fridges and Freezers



Water Heaters



Air Conditioners



Light Bulbs



Audio-Visual
Equipment

Theo Covary, PhD
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www.savingenergy.org.za



ENERGY INNOVATION FOR LIFE

Purpose of the Guideline



-  **Objective:** An official document serving as the first point of contact for interested parties – industry; government; consumers; civil society & academia, which provides
- Accurate and up to date information about the S&L programme (AS IS)
 - Details how the programme will evolve over the next 5 years (TO BE)

Why is the guideline being updated?



🌱 V2 is six years old – much has changed

- Online database
- Regrading of energy classes
- Updated label
- New and expanded MEPS (planned)

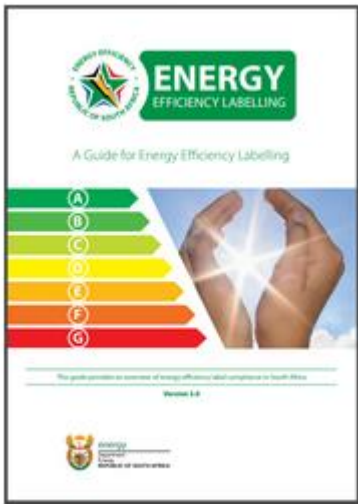
The guideline should be updated every five years

Where to find the Guideline (3.0)



 <https://www.savingenergy.org.za/Guidelines/Guidelines/guidelines.html>

2015



2022



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S1 – Background and Rationale

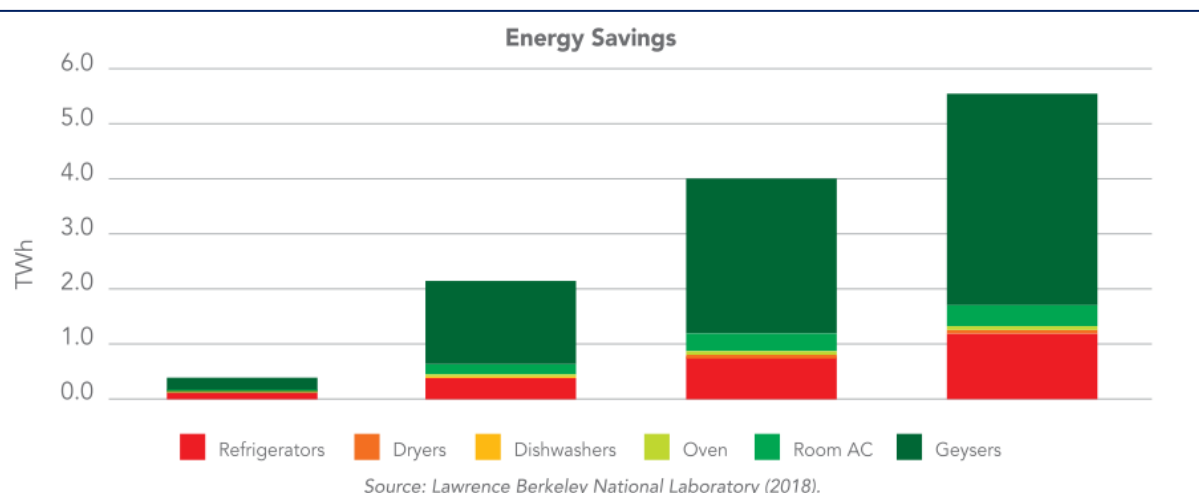


Why S&L is a policy priority

- Energy security
- Climate commitments
- Competitive economy

How and why S&L works

- MEPS
- Labels
- Global and National Success



2.15 TWh by 2020

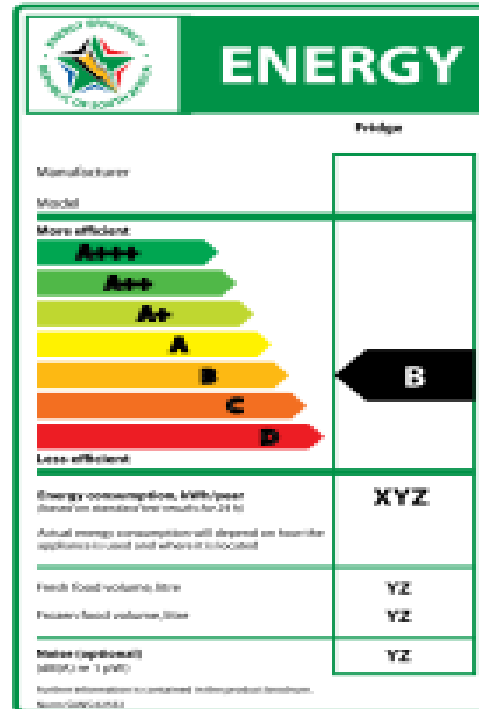
5.55TWh by 2030

S2 – S&L Implementation in SA



MEPS and Energy Label

SA Energy Efficiency logo



Energy grading scale:

Colour-coded grading scale showing the top (in this case an A+++), and bottom (in this case a D) grading for this appliance type.

Additional information:

Additional information for this appliance.

Product identification:

- Type of appliance
- Manufacturer
- Model

Appliance rating:

The black arrow indicates the rating achieved by the specific appliance.

Indicative energy use:

Energy consumption by this appliance under standard operating conditions.

Market Surveillance and Testing

- <https://www.applianceregistrationdatabase.org.za>.

Consumer Protection

S3 – S&L What to Expect



Revision of MEPS

Appliance	Existing MEPS	New MEPS	Proposed effective date
Standby Power AV	1W	0.5W	Earliest possible start
Electric Ovens	Small = A Medium = A Large = B	Small = A Medium = A Large = A	N/A N/A New date to be confirmed by the relevant authority*
Dishwashers	A	No change	N/A
Washer Dryer	A	No change	N/A
Washing Machines	A	A+	2022
Tumble Dryers	D	C	New date to be confirmed by the relevant authority*
Refrigerators	B A	A A+	New date to be confirmed by the relevant authority* 2026
Freezers	C A	B A+	New date to be confirmed by the relevant authority* 2026
Air Conditioners	B	A	New date to be confirmed by the relevant authority*

Expanding S&L (EM, TV, GSL, SL)

S3 – (continued)



🌐 Online Registration Database

🌐 Redesigning the Label



Energy Washing machine

Manufacturer Model

More efficient

A B C D E F G

Less efficient

Energy consumption kWh/cycle 0.95

Washing performance A B C D E F G

Spin drying performance A B C D E F G

Capacity (cotton) kg 5.0

Water consumption l 55

Noise (dB(A) re 1 pW) Washing 5.2 Spinning 7.0

Further information is contained in product brochures.

2010/1060

1990's

ENERG Y U A IE IA

A+++ A++ A+ A B C D

A++

ENERGIA - ENERPIR ENERTEIA - ENERJIA ENERGY - ENERGIE - ENERG

280 kWh/annum

155 L 54 L 38 dB

2010/1060

2000s

ENERG SUPPLIER'S NAME MODEL IDENTIFIER

A B C D E F G

B

XYZ kWh / 100

XY x XY, Z L X:YZ XYdB ABCD

2017

2017

中国能效标识 CHINA ENERGY LABEL

1 2 3

2

能效等级

生产者名称: AAA-001 品牌: 海尔

能效备案号: AAA-001

能效等级: AAA

能效标识号: 0012010-010

中国能效标识 CHINA ENERGY LABEL

1

能效等级

生产者名称: 青岛海尔电器股份有限公司 品牌: 海尔

能效备案号: BCD-065400001

综合耗电量(千瓦时/24小时) 0.76

冷冻室容积(升) 352

冷藏室容积(升) 167

总容积(升) 46

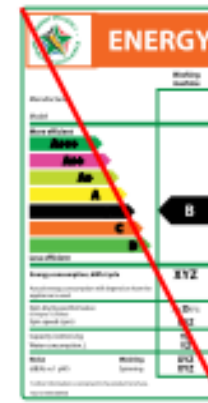
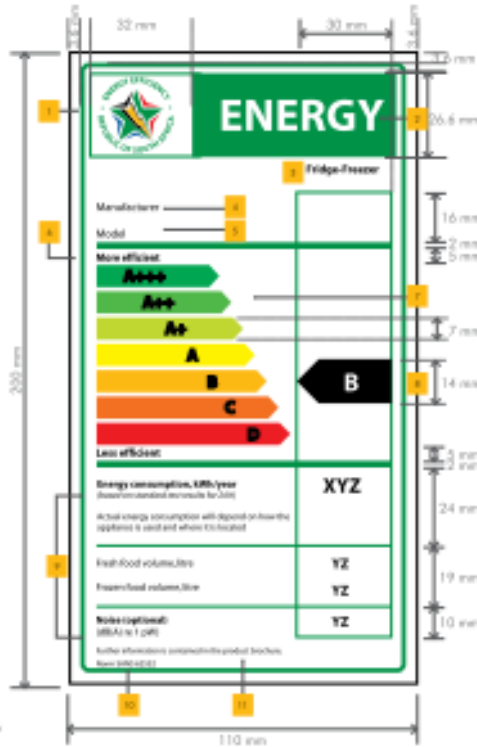
能效标识号: GB 12021.2-2019

Annex



The following information shall be included in the label:

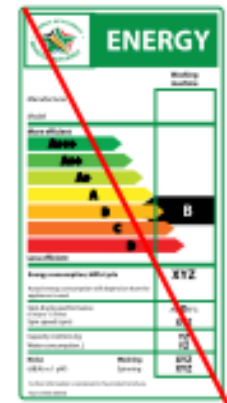
- 1 Energy Efficiency logo: Size: 24 mm in diameter.
Position: placed at the top left with sufficient white space around.
NB: For more information about the logo, please refer to page 10.
- 2 Energy: text: Myriad bold 41 pt, 100% white.
- 3 Fridge-Freezer: text: Myriad bold 10 pt, 100% black.
- 4 Manufacturer: text: Myriad regular 10 pt, 100% black. **Data entered:** Myriad bold 10 pt, 100% black.
- 5 Model: text: Myriad regular 10 pt, 100% black. **Data entered:** Myriad bold 10 pt, 100% black.
- 6 More efficient, Less efficient: Myriad bold 10 pt, 100% black.
- 7 A+++ to D scale
Arrow: height: 7 mm, gap: 0.75 mm.
Text: Myriad bold 15.45 pt, capitals and white; "+" symbols: Myriad bold 15.45 pt, capitals, white, aligned on a single row.
- 8 Energy efficiency class
Arrow: width: 30 mm, height: 14 mm, 100% black.
Text: Myriad bold 23 pt, capitals and white.
- 9 Appliance performance: text: Myriad regular 9 pt/bold 9 pt/italic 8 pt, XYZ: Myriad bold 19 pt, 100% black, YZ: Myriad bold 13 pt, 100% black.
- 10 SANS: text: Myriad regular 7 pt, 100% black.
- 11 Further information is contained in the product brochure: Text: Myriad regular 7 pt, 100% black.



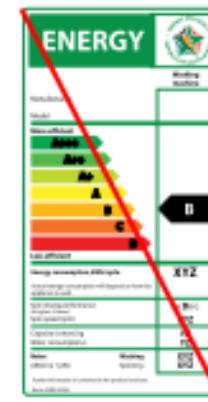
✗ Do not change the colours of any component of the label including the Energy Efficiency logo



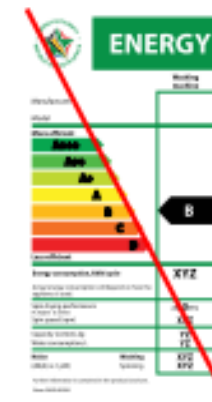
✗ Don't change the fonts of any component of the label including the Energy Efficiency logo



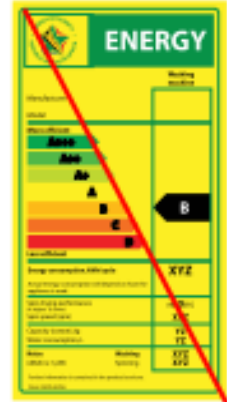
✗ Do not stretch any component of the label including the Energy Efficiency logo



✗ Do not change the position of any graphic, wording or the Energy Efficiency logo



✗ Do not omit any information or graphics from the label



✗ Do not use any colour as background for the label except white



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**THANK
YOU**