

# DO YOU KNOW YOUR NUMBER?

## WHAT IS 49M KNOW YOUR NUMBER?

49M and Eskom have been asking consumers to save 10% electricity. The big question is, 10% of what? So, we have adopted a global standard of an Energy Rating. It is essentially the amount of electricity that your home consumes per square meter of usable space in a year.

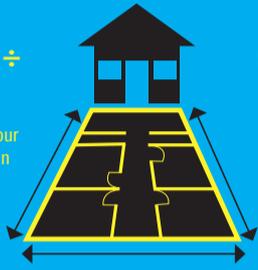
Why do we use an Energy Rating for homes? It is because it is very simple to calculate and it provides a standardised measure, which allow you to categorize your home's Energy Rating against other homes - and against global benchmarks. It also allows you the opportunity to easily establish whether your home is a good, average or bad performer in using electricity. Furthermore, the standardised Energy Rating system is set to become a requirement in the property sales industry within a few years.

So, when you Know Your Number, you know your home's Energy Rating and you know whether it is a good, average or bad rating and you are aware of what you can do to improve your home's Energy Rating.

### HOW DO I KNOW MY NUMBER?



$kWh \times 12 \div$   
kilowatt hours  
(this figure is  
indicated on your  
electricity bill in  
units or kWh)



$m^2$

square meters of usable space in your home.  
This would include all rooms but EXCLUDE your  
garage/parking area and storage rooms

Energy rating

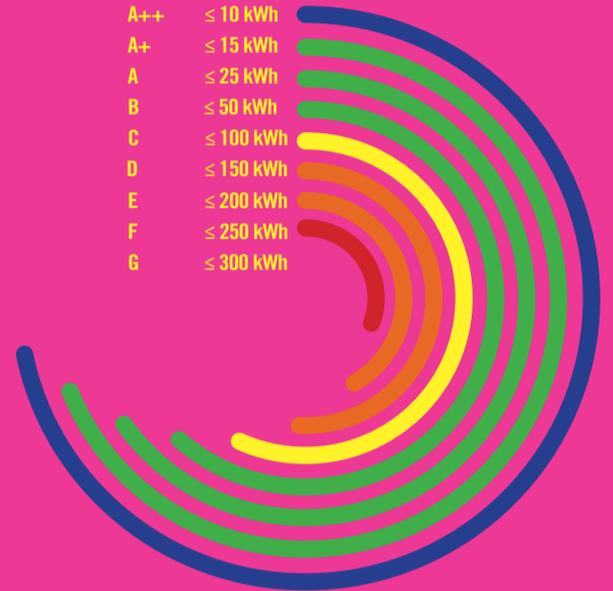
5/07 to 2013/06/04 =  
and consumption: Meter  
.000 = 363.000 kWh - A  
on 12.517 kWh  
are based on a slid  
052 ( Billing

- To calculate, use your electricity bill to see what your kWh consumption per month was and times it by twelve.
- Then calculate your square meter usable floor area by measuring the length and width of each room in your house. Multiply the length by width for each room and then add all the rooms together.
- Now take the annual kWh that you calculated and divide it by the number of square meters.
- This is your Energy Rating! Well done, you are well on your way to Know Your Number.

### HOW DO I COMPARE?

Energy rating (kWh (12)/m<sup>2</sup>)

- A++ ≤ 10 kWh
- A+ ≤ 15 kWh
- A ≤ 25 kWh
- B ≤ 50 kWh
- C ≤ 100 kWh
- D ≤ 150 kWh
- E ≤ 200 kWh
- F ≤ 250 kWh
- G ≤ 300 kWh



### WHAT CAN I DO TO REDUCE MY NUMBER?

**NO COST INTERVENTIONS:** These will be the behavior change aspects that do not require you to spend any money and would save you up to 10%.

Switch off  
lights that  
are not used



Turn geyser  
thermostat down to  
60 degrees Celsius



Turn basin  
mixer to  
cold position



Keep your  
fridge and  
freezer as full  
as possible



Only boil as  
much water  
as you need  
in the kettle



Defrost frozen  
foods overnight  
in the fridge as  
opposed to using  
the microwave



Match pot  
size with  
plate size on  
stove



Keep oven door  
closed during meal  
preparation and switch off  
10-15 minutes before the  
cooking time elapses



Use the  
microwave  
instead of the  
oven or stove  
where possible



Use a toaster  
instead of  
toasting bread  
in the oven



Reduce  
shower time  
to 7 minutes



Reduce the number of stove  
plates used during meal  
preparation by choosing to  
cook one pot meals



Cook extra  
during meal times and  
freeze extra portions for  
use later in the week  
or month



Try cold meals during  
summer months. It's not  
only healthy, but it's also  
energy efficient



#### LOW-COST INTERVENTIONS:

Insulate geyser and hot  
water pipes



Ceiling/roof  
insulation



Lighting to change to  
CFL or LED and installing  
sensor lighting outside, or  
placing them on timers



Energy efficient  
shower heads to  
reduce hot water  
usage



Install Geyser  
timer and pool  
pump timer



Invest in energy efficient  
small appliances like kettle,  
toaster, iron, electric pressure  
cooker, induction plate,  
microwave



Invest in a  
gas heater



Plant trees in front  
of windows and North facing  
and West facing wall facades  
- as this will block a lot of  
sun, ensuring a cooler interior



Use window and  
door seals to reduce  
ventilation in winter



#### INVEST TO SAVE:

Solar water  
heater or heat  
pump



Energy efficient white appliances  
like fridge, washing machine,  
dishwasher, tumble dryer etc



Invest  
in a gas  
stove



Consider installing  
ceiling fans or some  
form of ventilation  
cooling option instead  
of air-conditioning



Use a  
shower  
instead of  
a bath



Use double-  
glazed  
windows



Alternative energy  
sources such as  
solar panels



Install a wood-  
burning fireplace



Consider internal  
wall insulation



Try other flooring  
options such as wood,  
wood laminate and  
carpets. They keep  
heat better than tiles  
or stone type flooring



REMEMBER YOUR POWER

