What is a kilowatt hour?





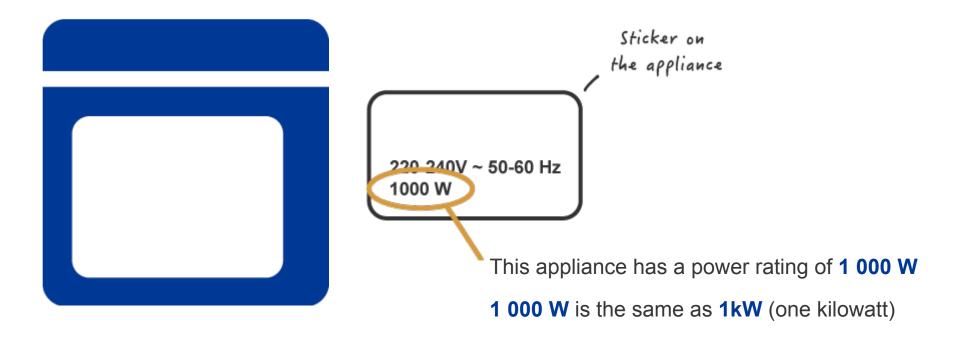
Like a metre is a measurement of length, a kilowatt hour is a measurement of energy

It measures or describes the amount of power used in a certain amount of time

Power ratings



All appliances carry a power rating that indicates the amount of power they use



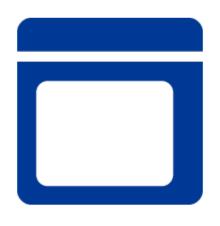
Energy usage



If I run a 1 kWh appliance*

for 1 hour

it uses a total of 1 kWh of energy



X



1 kW 1 kWh

1 kW

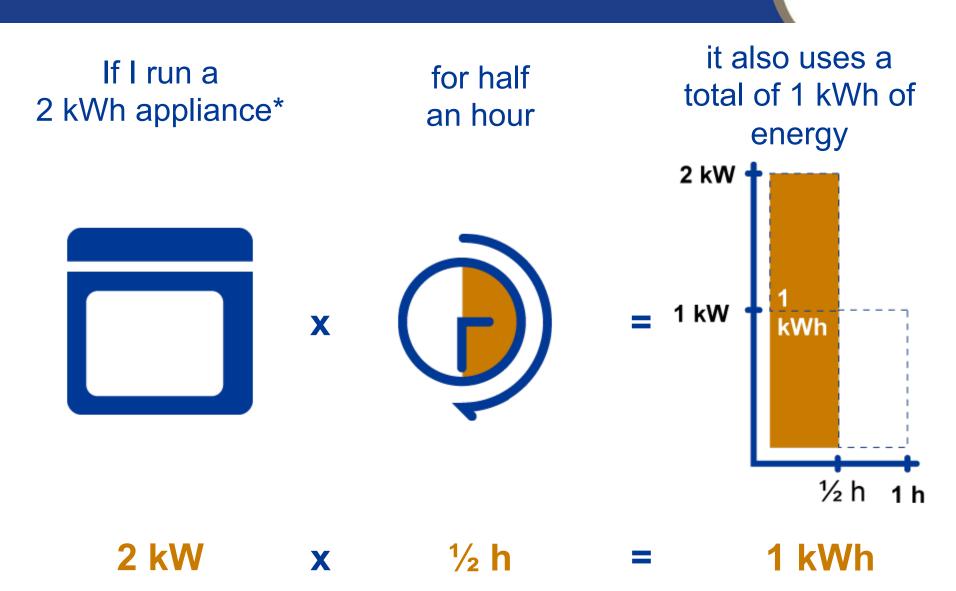
X

1 h

l kWh

Energy usage





How much do you get for 1 kilowatt hour?



1 kWh

ONE KILOWATT HOUR **WILL GET YOU ABOUT**



16 meals microwaved





4 hours* of refrigeration





24 slices toasted



1½ laundry loads washed







8 rooms vacuumed





1 cake baked





5 shirts ironed

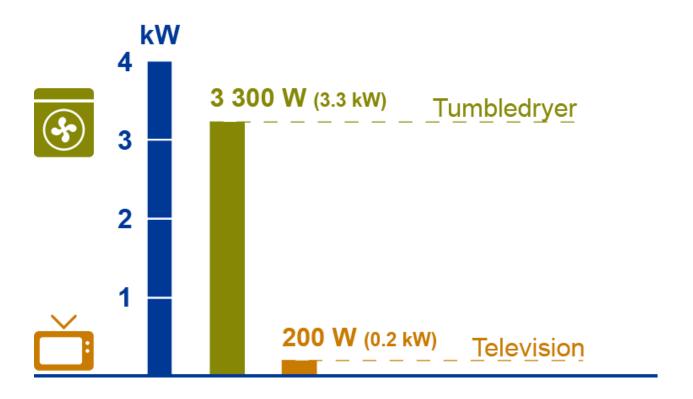


*That's equivalent to running the fridge for about 15 hours

Appliance power ratings



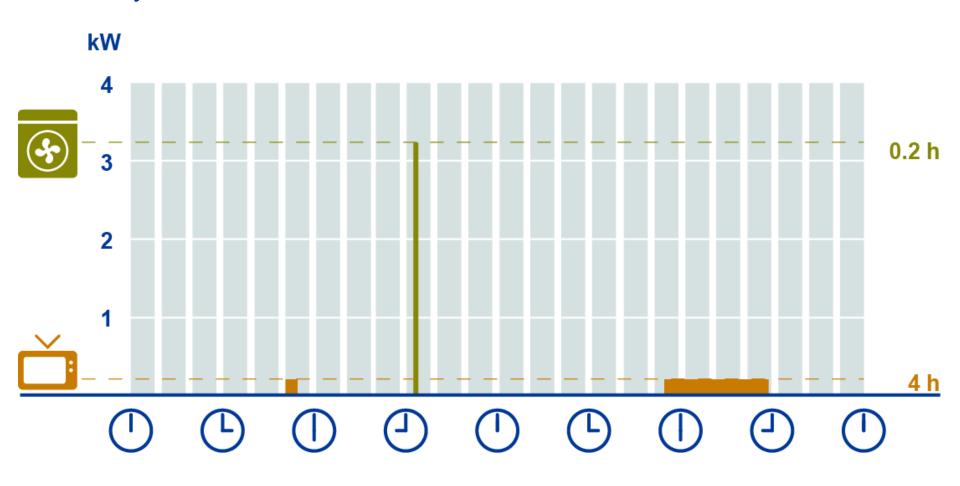
A tumbledryer uses much more power than a television



Average daily usage patterns



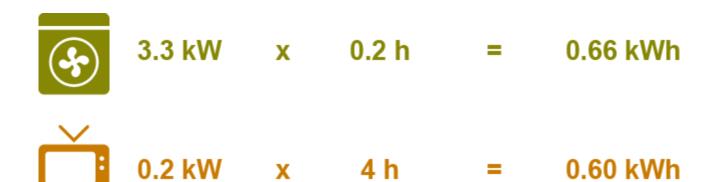
But, on average, a tumbledryer is used for less time during the day than a television



Appliance power rating



So, on average, a tumbledryer and a television's average total energy use per day is about the same



Household Appliances

















Fridge

Freezer Dishwasher Tumble Television

dryer

Washing Household lighting machine

Average appliance power consumption ratings







Average appliance power consumption ratings



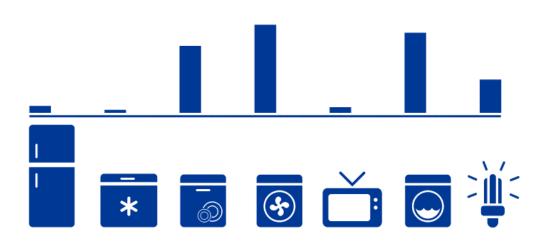




Average daily household use

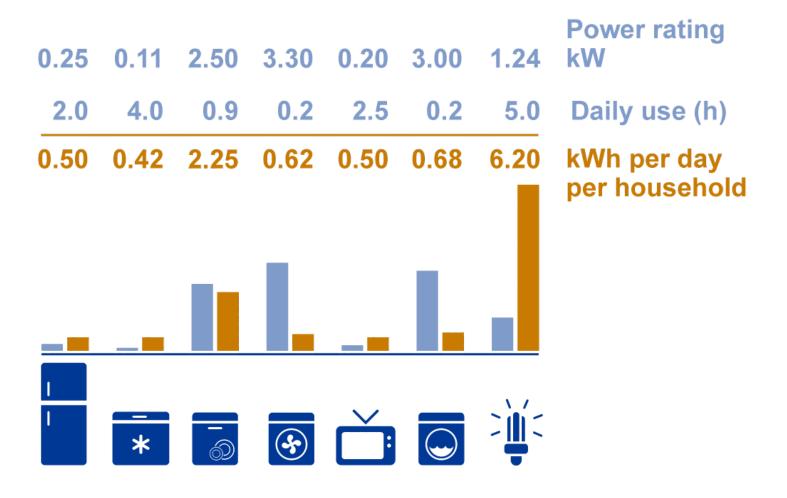


0.25	0.11	2.50	3.30	0.20	3.00	1.24	Power rating kW
2.0	4.0	0.9	0.2	2.5	0.2	5.0	Daily use (h)



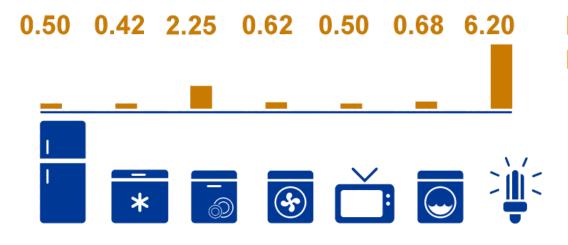
Average daily household power consumption





Average daily household power consumption

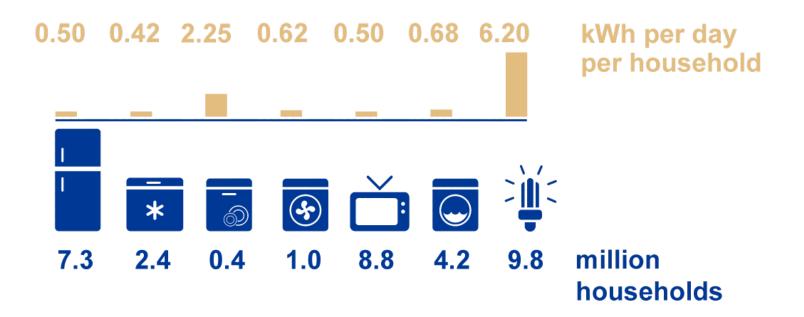




kWh per day per household

How many households in SA have them?





Total national annual power consumption



