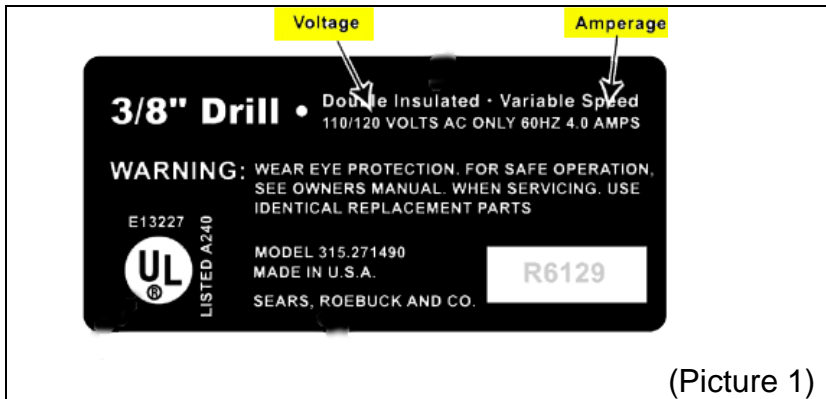


## HOW TO USE THE CALCULATOR

1. This calculator is to estimate the energy usage, it is not an exact value.
2. Identify values that need to be tabulated. If your label is as in Picture 1. Voltage and Amperage (also known as Current) as given in the label.
3. Voltage in Malaysia can be taken as 220 V to 240 V, however, some products like laptops and phone may use lower Voltage value. Checking the label helps.



(Picture 1)

4. The sample calculation for the above picture 1 is as below, key in the values and press Add Equipment:

> Fun Corner > Calculate Your Bill

Text Size **A A**  
**A**

## Calculate Your Bill

Equipment	<b>DRILL</b>		
Quantity	<b>1</b>		
Volt (V)	<b>120</b>	Current (A)	<b>4</b>
Power (P)			
Hour per day	<b>2</b>	Day	<b>15</b>

[Add Equipment](#)   [Delete Equipment](#)

No	Equipment	Quantity	Volt(V)	Current(A)	Power(P)	Hour per day	Day	Total Kilo Watt (kWh)
<input type="checkbox"/>	1 Iron	1			1000	1	4	<b>4</b>
<input type="checkbox"/>	2 Bulb	20			8	5	25	<b>20</b>
<input type="checkbox"/>	3 Mini Fridge	1			50	24	30	<b>36</b>
<input type="checkbox"/>	4 Water Heater	2			1200	1	30	<b>72</b>
<input type="checkbox"/>	5 Clothes washer	1			400	2	4	<b>3.2</b>
<input type="checkbox"/>	6 Clothes dryer	1			3000	3	4	<b>36</b>
<b>Total:</b>								<b>171.2</b>

Your Current Bill = **RM 37.32**

**Caution: If the Amperage value is in mAmp or mA, for example, 850 mAmp, it is equivalent to 0.85 Amp.**

5. There are labels with Power (Watt) value like in Picture 2. This is much easier to use.



(Picture 2)

5. The sample calculation for the above picture 2 is as below, key in the values and press Add Equipment

> Fun Corner > Calculate Your Bill

Text Size **A A**  
**A**

## Calculate Your Bill

Equipment	<b>Proconsole</b>		
Quantity	<b>1</b>	Current (A)	<input type="text"/>
Volt (V)	<input type="text"/>	Day	<b>30</b>
Power (P)	<b>175</b>		
Hour per day	<b>6</b>		

[Add Equipment](#)   [Delete Equipment](#)

No	Equipment	Quantity	Volt(V)	Current(A)	Power(P)	Hour per day	Day	Total Kilo Watt (kWh)
<input type="checkbox"/>	1 Iron	1			1000	1	4	<b>4</b>
<input type="checkbox"/>	2 Bulb	20			8	5	25	<b>20</b>
<input type="checkbox"/>	3 Mini Fridge	1			50	24	30	<b>36</b>
<input type="checkbox"/>	4 Water Heater	2			1200	1	30	<b>72</b>
<input type="checkbox"/>	5 Clothes washer	1			400	2	4	<b>3.2</b>
<input type="checkbox"/>	6 Clothes dryer	1			3000	3	4	<b>36</b>
<b>Total:</b>								<b>171.2</b>

Your Current Bill = **RM 37.32**

**Caution: If the Power value is in kiloWatt or kW, for example 1.2 kW, it is equivalent to 1200 Watt.**

These are some of the power range (W) in case you do not have a proper label.

Normal Place	Appliances	Type	Power Range(W)	
			Lowest	Highest
Kitchen	Refrigerator	Chiller	170	760
		Freezer	250	400
	Toaster	Pop-up	750	2000
		Normal	1000	2400
	Hot plate/tray		260	1500
	Kettle		400	1800
	Rice cooker		200	
	Microwave oven		1500	4000
	Kitchen hood		300	
	Electric oven	STANDBY Mode	6	18
		ON/ WORKING Mode	1500	2000
	Blender		300	1000
	Coffee maker		800	1000
	Electric frying pan		1200	1500
	Dishwasher	Electric		
Gas		1200	2500	
Living room	Air-conditioner	Room	950	1000
		Central	2000	5000
	Fan	Ceiling	71	95
		Table	10	25
		Standing	25	50
	TV	Black and White	40	100
		Color	150	300
		HD	150	850
	VCD/DVD Player	STANDBY Mode	1	7
		ON/PLAY Mode	17	40
	Video games	PS2	50	
		Xbox	74	
		Xbox 360	160	
	Computer	Laptop*	25	60
		Desktop*	80	150
	Lights		Refer below	
	Stereo system		50	150
	Radio		30	100
	Air purifier		550	
	Satelite dish		25	30
Film projector		250	1500	
Clock		3	10	
Washing place & Restroom	Washing machine	Top load	210	450
		Front load	1150	1800
	Iron	Dry	950	1100

		Steam	1200	1450
		Hair Drier	400	1500
		Water heater	300	2000
		Curler	250	500
		Cloth Drier	2000	4000
		Shaver	15	
Office	Laser printer	STANDBY Mode	30	50
		PRINT Mode	600	800
	Modem/ Router		500	2500
	Fax Machine	STANDBY Mode	10	50
		PRINT Mode	200	1000
	Typewriter		80	200
Room	Table lamp		10	30
	Phone charger		3	10
Garage/ Workshop	Hand drilling machine		250	1900
	Circular hand saw		900	2300
	Angle grinder		900	2300
	Kango hammers		1000	2500
	Jigsaw		250	750
	Floor polisher		250	350
	Sewing machine		85	120
	Radio telephone	Receive	5	
		Transmit	40	150
	Vacuum cleaner		200	700
Electric mower		1000	1500	

### Lights Power Load

Lights	Incandescent light bulb	5w incan.	5
		100w incan.	100
		150w incan.	150
	Compact florescent lamp	20w CF	22
		25w CF	28
	Neon Fluorescent Tubes**	30cm tube	10
		100cm tube	333