MALAMIG COOLING CORPORATION

Brand : Cool
Model : MCC-123456
Type : Window-type RAC

Cooling Capacity : 12,000 kJ/h
Power Consmuption : 930 W
Frequency : 60 Hz/1 Phase/220-230 V

ENERGY GUIDE

ROOM AIR CONDITIONERS

11.5

ENERGY EFFICIENCY RATIO

For units with the same cooling, higher EER means lower electricity cost.

For this model, the minimum **EER** standard set by the government is **9.1**.

The monthly operating cost of this model will be approximately:

RATED POWER DEMAND Watt/1000(kW)	X	MONTHLY USAGE hours(h)	X	POWER RATE Pesos/kW-h	=	COST OF OPERATION Pesos

Data on this label is certified by

BPS

CERTIFIED
Product Quality

REMOVAL OF THIS LABEL BEFORE CONSUMER PURCHASE IS A VIOLATION OF REPUBLIC ACT NO. 7394

For additional information, ask your dealer or write/call the Department of Energy, Lighting and Appliances Testing Division, Energy Center, Rizal Drive corner 34th Street, Fort Bonifacio, Taguig City, Metro Manila. Tel. No.: 479-2900

Contact Us:

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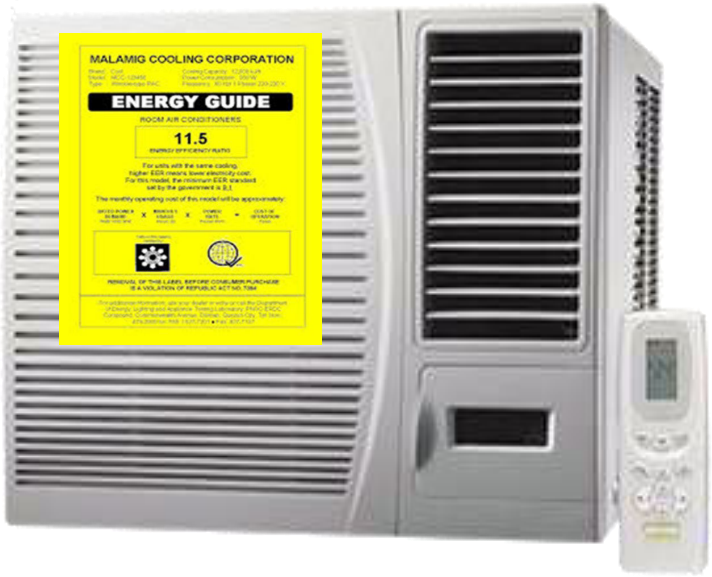
May 2016

DEPARTMENT OF ENERGY



Consumer Guide in Buying Room Air Conditioner

How to Choose the Right Type of Aircon

1. Determine the area (in square meters) to be cooled using the following formula:
   - For square and rectangular rooms, multiply the length (L) of the area by its width (W) or (L x W)
   - For a triangular area, multiply the length of the area by the width and divide by 2 or $\frac{L \times W}{2}$
2. Measure the size of the room to be cooled.
   - A unit whose cooling capacity is too small for the room will not cool adequately.
   - A unit whose cooling capacity is too large will overcool the room before the thermostat can react.
3. Buy the aircon unit with the highest Energy Efficiency Ratio (EER) you can afford.

Sizing of Air Conditioner: Rough Estimate**

Local Calculation: Rough Estimate Method

Cooling Capacity= Size of Room (in sq. meter) x 500

Note: Use the next higher size available (standard)

Applicable Standard:

PNS 396 Part 1: 1995- Household Appliances-Energy Efficiency Ratio (EER) and Labeling Requirements

Example:

Cooling Capacity= Size of Room (in sq. meter) x 500

Room Size = 20 sq. meters

Cooling Capacity = 20 x 500

Cooling Capacity = 10, 000 kJ/hr

Motor Compressor Rating, HP	Manufacturer's Equivalent Cooling Capacity Rating, kJ/hr
3/4	7,385- 8,440
1.0	9,495-10,550
1.5	12,660-13,290
2.0	18,990-20,045
2.5	25,320-26,580

*Therefore, if your room size is 20 square meters, (which has a cooling capacity of 10, 000 kJ/hr) you will need 1.0 HP of Room Air Conditioner.

Operating Cost (PhP/Hour)

Cooling Capacity (kJ/h)	Energy Efficiency Ratio (kJ/Wh)					
	8.7	9.5	10.0	10.5	11.0	11.7
5, 040	Energy Cost* per hour of use					
	-	4.67	4.44	4.22	4.03	3.80
7, 910	-	8.00	6.96	6.63	6.33	5.95
9, 500	-	8.8	8.36	7.96	7.60	7.15
10, 550	-	9.78	9.28	8.84	8.44	7.94
11, 520	-	10.67	10.14	9.65	9.22	8.67
12, 660	12.81	11.73	11.14	10.61	10.13	9.52
16, 200	16.39	15.01	14.26	13.58	12.96	12.18
18, 990	19.21	17.59	16.71	15.92	15.19	14.28
19, 600	19.01	18.16	17.25	16.43	15.68	14.74
25, 000	25.29	23.16	22	20.96	19.20	18.80
31, 800	32.17	29.46	27.98	26.65	25.44	23.92

*Energy Cost is based on the average Meralco residential rate for May 2016 @ P8.80/kWh

Reference: Energy Research and Testing Laboratory Services - Lighting and Appliances Testing Laboratory (ERTLS-LATL)