



Room (Window) Air Conditioner Rebate Worksheet

Hawaiian Electric Company *Energy\$olutions*SM for Business Program (Effective February 13, 2007)

APPLICANT INFORMATION

Applicant	Application No. HECO
Project Description	<input type="checkbox"/> Existing Facilities <input type="checkbox"/> New Construction
Document Checklist <input type="checkbox"/> Room A/C Rebate Worksheet <input type="checkbox"/> Rebate Application <input type="checkbox"/> Room A/C Specification Sheet or Name Plate Information <input type="checkbox"/> Invoice	

ENERGY STAR ROOM AIR CONDITIONER APPLICATION

	F	E	A	B				
Room (R), Casement Only (O), Slider (S)	Room AC - Louvered Sides Yes or No	Quantity of Units	Cooling Capacity (Nominal Btuh / Unit)	Equipment Efficiency (EER)	Qualifying Efficiency ENERGY STAR (EER)	Retrofit Reason (B= Burnout or R = Retrofit)	Manufacturer & Model Number (Submit Manufacturer's Specification Sheet Showing Cooling Capacity)	Rebate Amount (See Formula Below)
R	Y	1	12,000	11.0	10.8 EER	B	Example: Brand X, Model 12ABC	\$80

TOTAL AIR CONDITIONER REBATE

ROOM (WINDOW) AIR CONDITIONER QUALIFYING EFFICIENCIES AND REBATE TABLE

Equipment Type	Louvered Sides	Air Conditioner Cooling Capacity (Btuh)	Qualifying Efficiency ENERGY STAR (EER)	Efficiency Rebate (per unit Efficiency over Qualifying Efficiency)	Equipment Rebate (per 12,000 Btuh or per ton)
Room (Window) Air Conditioner	Yes	Less than 8,000	10.7	\$50	\$70
		8,000 to 13,999	10.8		
		14,000 to 19,999	10.7		
		20,000 & Above	9.4		
	No	Less than 8,000	9.9		
		8,000 & Above	9.4		
Casement - Only		Any Capacity	9.6		
Casement - Slider		Any Capacity	10.5		

CALCULATING YOUR REBATE

Rebate = { [(Equipment Efficiency - Qualifying Efficiency) x Efficiency Rebate] + [Equipment Rebate x (Cooling Capacity (Btuh) / 12,000)] } x Qty. of Units
 Rebate = { [(A - B) x C] + [D x (E / 12,000)] } x F

$$\{ [(\boxed{A} - \boxed{B}) \times \boxed{C}] + [\boxed{D} \times (\boxed{E} / \boxed{12,000})] \} \times \boxed{F} = \boxed{\text{Rebate}}$$

EXAMPLE

Existing Facility; Room (Window) Air Conditioner with Louvered Sides: Example: Brand X, Model 12ABC
 Nominal Capacity = 12,000 Btuh; EER = 11.0; Replacement due to equipment failure (burnout)
 Qualifying Efficiency = 10.8 EER (From Table Above)
 Rebate = { [(11.0 EER - 10.8 EER) x \$50] + [\$70 x (12,000/12,000)] } x 1 unit = \$80 (Using Btuh)

NOTES

12,000 Btuh = 1 ton
 kW / ton = 12 / EER
 EER - Energy Efficiency Ratio
 Room air conditioner must be ENERGY STAR rated.

Room (Window) Air Conditioners

Room (Window) Air Conditioner Rebate Guidelines

All room (window) air conditioners must be Energy Star rated. For product listing of all Energy Star qualified room air conditioners, go to the Energy Star website: www.energystar.gov, click on appliances, then Room AC.

Room (Window) Air Conditioner Rebate Worksheet Instructions

Attach manufacturer's data to verify rated EER.

Required Documentation Checklist

- Equipment Schedule or Manufacturer's Specification and Data Sheets Listing Unit's Manufacturer, Model Number, Capacity, Efficiency, and Service Area
- Description of Existing Equipment (For Retrofit Projects)
- Room (Window) Air Conditioner Rebate Worksheet
- Rebate Application

Applicant Information

- 1) Enter Applicant Name
- 2) Enter Project Description (e.g. Facility, Building, Location, etc.)
- 3) Specify Type of Construction ("E" for Existing Facilities and "N" for New Construction)

Room (Window) Air Conditioners

Fill in the following information using one line for each unit installed. Identical units may be grouped on a single line.

- 1)
 - Room (Window) Air Conditioner (R)
 - Casement-Only (O)
 - Casement-Sliders (S)
- 2) For Room (Window) Air Conditioner
 - Y - Louvered Sides
 - N - No Louvered Sides
- 3) Quantity of Units [Column F]; Quantity of a particular unit type

- 4) Cooling Capacity [Column E]; Nominal Capacity (in Btuh) of equipment per unit
- 5) Equipment Efficiency [Column A]
 - Room (Window) Air Conditioner EER
- 6) Qualifying Efficiency at Full Load [Column B]; Reference the Qualifying Efficiency Table
- 7) Retrofit Reason (R or B, For Existing Facilities)
 - R - Retrofit of Direct Expansion Systems Before the End of its Service Life for Energy Efficiency
 - B - Burnout Direct Expansion Systems needing immediate replacement
- 8) Manufacturer and Model Number
- 9) Rebate Amount
 - Calculate the Rebate using the Rebate Program Factors and Equipment Specifications.
- 10) Add all Rebate Amount entries to determine your Total Room (Window) Air Conditioner Rebate and enter total in the space provided