energyright® solutions TVA

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HVAC Equipment

HVAC (heating, ventilation, and air conditioning) systems have a major impact on energy usage. Extreme temperatures and high humidity can push your aging HVAC system to its limit. Proper selection, installation, operation, and maintenance of HVAC systems can yield substantial energy savings, help control seasonal spikes in energy usage, and improve comfort and air quality in your commercial or industrial setting.

Standard Incentives for HVAC equipment are open to all commercial and industrial participants meeting the eligibility criteria below and funding availability. Pre-approval **IS NOT** required before you purchase or install new HVAC units. The final incentive is based on installed equipment and efficiency requirements. Applications must be submitted within 60 days after HVAC unit(s) installation, based on unit invoice date. If the equipment you wish to install is not displayed in the tables below, your project may qualify for a Custom Incentive. Contact the Operations Center at (866) 233-0450 for more information.

For all HVAC Standard units the incentive is $40/ton of cooling. Ensure your proposed unit(s) meet all of the minimum efficiency levels listed in the tables below.

Eligibility Requirements for Air-Cooled Unitary Air Conditioners

Size	System Type	Minimum Efficiency Levels
< 65,000 Btu/h (single phase)	Split System	≥ 13.0 SEER ≥ 12.0 EER
	Single Package	≥ 13.0 SEER ≥ 11.6 EER
≥ 65,000 Btu/h and < 135,000 Btu/h	Split System and Single Package	≥ 11.5 EER ≥ 11.6 IEER
≥ 135,000 Btu/h and < 240,000 Btu/h	Split System and Single Package	≥ 11.5 EER ≥ 11.6 IEER
≥ 240,000 Btu/h and < 760,000 Btu/h	Split System and Single Package	≥ 10.3 EER ≥ 10.4 IEER
≥ 760,000 Btu/h	Split System and Single Package	≥ 9.7 EER ≥ 9.8 IEER

All equipment must meet AHRI standards (210/240, 320, or 340/360), be listed by a Nationally Recognized Testing Laboratory (ETL, UL, etc.), and use a minimum ozone-depleting refrigerant (e.g., HCFC or HFC).

Eligibility Requirements for Air-Cooled Unitary Heat Pumps

Size	System Type	Minimum Efficiency Levels
< 65,000 Btu/h (single phase)	Split System	≥ 13.0 SEER ≥ 12.0 EER ≥ 7.7 HSPF
	Single Package	≥ 13.0 SEER ≥ 11.6 EER ≥ 7.7 HSPF
≥ 65,000 Btu/h and < 135,000 Btu/h	Split System and Single Package	≥ 11.1 EER ≥ 11.2 IEER ≥ 3.3 COP*
≥ 135,000 Btu/h and < 240,000 Btu/h	Split System and Single Package	≥ 10.7 EER ≥ 10.8 IEER ≥ 3.2 COP*
≥ 240,000 Btu/h and < 760,000 Btu/h	Split System and Single Package	≥ 10.1 EER ≥ 10.2 IEER ≥ 3.2 COP*

All equipment must meet AHRI standards (210/240, 320, or 340/360), be listed by a Nationally Recognized Testing Laboratory (ETL, UL, etc.), and use a minimum ozone-depleting refrigerant (e.g., HCFC or HFC).

** Many heat pumps list two COP ratings: one which applies to an outdoor temperature of 47°Fdb and 43°Fwb and another which applies to an outdoor temperature of 17°Fdb and 15°Fwb. The COP standard listed in the table above applies only to the COP rating at an outdoor temperature of 47°Fdb and 43°Fwb*

Eligibility Requirements for Air-Cooled, Variable Refrigerant Multi-Split Heat Pumps

Size	System Type	Minimum Efficiency Levels
< 65,000 Btu/h (single phase)	Multisplit System	≥ 14.0 SEER ≥ 12.0 EER ≥ 8.5 HSPF
≥ 65,000 Btu/h and < 135,000 Btu/h	Multisplit System	≥ 11.3 EER ≥ 14.2 IEER ≥ 3.4 COP*
≥ 135,000 Btu/h and < 240,000 Btu/h	Multisplit System	≥ 10.9 EER ≥ 13.7 IEER ≥ 3.2 COP*
≥ 240,000 Btu/h and < 760,000 Btu/h	Multisplit System	≥ 10.3 EER ≥ 12.5 IEER ≥ 3.2 COP*

All equipment must meet AHRI standards (210/240, 320, or 340/360), be listed by a Nationally Recognized Testing Laboratory (ETL, UL, etc.), and use a minimum ozone-depleting refrigerant (e.g., HCFC or HFC).

** Many heat pumps list two COP ratings: one which applies to an outdoor temperature of 47°Fdb and 43°Fwb and another which applies to an outdoor temperature of 17°Fdb and 15°Fwb. The COP standard listed in the table above applies only to the COP rating at an outdoor temperature of 47°Fdb and 43°Fwb*

Eligible Efficiencies for Packaged Terminal Air Conditioners (PTAC) and Packaged Terminal Heat Pump (PTHP)

ELECTRIC AND GASS HEAT		
Capacity (Btu/h)	**Minimum Required EER**	**Minimum Required COP**
6,000	11.5	3.3
7,000	11.3	3.3
8,000	11.0	3.2
9,000	10.8	3.2
10,000	10.5	3.2
11,000	10.3	3.1
12,000	10.0	3.1
13,000	9.8	3.1
14,000	9.5	3.0
15,000	9.2	3.0
16,000	9.0	3.0
17,000	8.7	2.9
18,000	8.5	2.9

Tons calculated by Btu/h/12,000