

HVAC & Air Conditioning Specifications

Please read the details below to ensure you are installing a qualifying product(s).

Commercial Air Conditioning Upgrade Limitations

- Rebate amounts will be calculated based on unit capacity to the nearest 6,000 Btu/h.
- Single phase, split systems < 65,000 Btu/h using water/evaporative cooled condensers may be eligible provided that the a/c system has a currently, active (not archived) ARI reference number and efficiency rating. MID will determine qualification for rebate.
- Only air conditioners with independently verified performance ratings are eligible for rebate. For Split or Packaged Unitary Systems < 65,000 Btu/h (single phase), units must be listed on the CEE/ARI HVAC Directory (<http://www.ceeHVACdirectory.org/>). All other units must be listed on the ARI Directory of Certified Product Performance (<http://www.aridirectory.org/ari/>).
- Certificate of ARI-Certified Performance for the installed unit(s) must be attached to application. The current ARI reference number (not archived) for the product(s) installed must be entered on the Supplemental Data Sheet.
- A California licensed contractor with a C-20 license must perform installation. An exception to this requirement may be made in cases where a customer has their own qualified employee(s), as designated by appropriate job title, install qualifying air conditioning at their business location. Contractor must complete and sign the Information and Certification portion of the rebate application.
- For rooftop installations, customer must provide code-compliant access for MID inspection.
- Useful life period for commercial air conditioners is defined as 15 years.

Package Terminal AC & Heat Pump

Package terminal air conditioners (PTAC) and Package terminal heat pumps (PTHP) are through-the-wall, self-contained units and are 2 tons (24,000 Btu/hr) or less. Eligible units must meet the applicable minimum energy efficiency ratio (EER) as stated below.

| Unit Capacity | EER (Minimum) |
|--------------------------|---------------|
| ≤ 7,000 Btu/h | 11.29 |
| > 7,000 & ≤ 24,000 Btu/h | 10.27 |

| Rebate ID | Description | Rebate Amount | Unit Of Measure |
|-----------|---|---------------|-----------------|
| CH001 | Packaged terminal air-conditioner / heat pump | \$75.00 | Unit |

Unitary Split-System & Single-Package AC & Heat Pump (<65,000 Btu/h)

A Unitary Air Conditioner is one or more factory made assemblies ordinarily including an evaporator or cooling coil(s), compressor(s), and condenser(s). An Air-Source Unitary Heat Pump ordinarily includes these same components and includes a means for heating and provides a cooling function. When these components are integrated into one cabinet, they are single packaged units; when provided in separate assemblies and designed to be used together, they are split systems.

| Equipment Type | Configuration | SEER (Minimum) | EER (Minimum) | HSPF (If Heat Pump) | |
|---|--------------------|----------------|---------------|---------------------|-----|
| <i>Single Phase Equipment (SEER AND EER efficiency must be met)</i> | | | | | |
| Air Cooled | Split | 14.5 | 12.0 | 8.5 | |
| | Packaged | 14.0 | 11.0 | 8.0 | |
| High Efficiency - Air Cooled | Split or Packaged | 16.0 | 13.0 | 8.5 | |
| <i>Three Phase Equipment (SEER OR EER efficiency must be met)</i> | | | | | |
| Air Cooled | CEE Tier 1 | Split | 14.0 | 12.0 | 8.5 |
| | | Packaged | 14.0 | 11.6 | 8.0 |
| | CEE Tier 2 | Split | 15.0 | 12.5 | 9.0 |
| | | Packaged | 15.0 | 12.0 | 8.5 |
| Water/Evaporative Cooled | Split and Packaged | n/a | 14.0 | 4.6 COP | |

SEER = Seasonal Energy Efficiency Ratio EER = Energy Efficiency Ratio HSPF = Heating Seasonal Performance Factor COP = Coefficient of Performance

| Rebate ID | Description | Rebate Amount | Unit Of Measure |
|-----------|---|---------------|-----------------|
| CH002 | AC Unitary System < 65 kBtu/h, Air-cooled (single phase) | \$250.00 | Unit |
| CH014 | Heat Pump Unitary System < 65 kBtu/h, Air-cooled (single phase) | \$350.00 | Unit |
| CH015 | High Efficiency Unitary System < 65 kBtu/h, Air-cooled (single phase) | \$500.00 | Unit |
| CH004 | AC/HP Unitary System < 65 kBtu/h, Air-cooled CEE Tier 1 | \$105.00 | Ton |
| CH005 | AC/HP Unitary System < 65 kBtu/h, Air-cooled CEE Tier 2 | \$145.00 | Ton |
| CH006 | AC/HP Unitary System < 65 kBtu/h, Water-cooled | \$145.00 | Ton |

Unitary Split-System & Single-Package AC & Heat Pump ($\geq 65,000$ Btu/h & $< 760,000$ Btu/h)

These units are factory-made Commercial and Industrial Unitary Air-Conditioning and Heat Pump Equipment, as defined by ARI Standard 340/360-2007. This standard applies only to electrically operated, vapor compression refrigeration systems. Minimum efficiency required is EER OR IPLV, and applies to both split system and single package units.

| Equipment Type | Unit Capacity | EER (Minimum) | IEER (Minimum) | COP (If Heat Pump) |
|--|-------------------------|--|----------------|--------------------|
| Air Cooled <i>If unit over 20 tons, contact Energy Services at (209) 526-7339 prior to installation</i> | 65,000 – 134,999 Btu/h | 11.5 | 13.0 | 3.4 |
| | 135,000 – 239,999 Btu/h | 11.5 | 12.5 | 3.2 |
| | 240,000 – 759,999 Btu/h | 10.5 | 11.5 | 3.2 |
| | $\geq 760,000$ Btu/h | (Custom Rebate - call MID for information) | | |
| Water or Evaporative Cooled <i>(Unitary Only)</i> | 65,000 – 134,999 Btu/h | 14.0 | na | 4.6 |
| | $\geq 135,000$ | 14.0 | na | na |

EER = Energy Efficiency Ratio IEER = Integrated Energy Efficiency Ratio COP = Coefficient of Performance

| Rebate ID | Description | Rebate Amount | Unit Of Measure |
|-----------|--|---------------|-----------------|
| CH007 | AC/HP Unitary System 65-134 kBtu/h, Air-cooled | \$105.00 | Ton |
| CH008 | AC/HP Unitary System 135-239 kBtu/h, Air-cooled | \$105.00 | Ton |
| CH009 | AC/HP Unitary System 240-759 kBtu/h, Air-cooled | \$105.00 | Ton |
| CH010 | AC/HP Unitary System 65-134 kBtu/h, Water-cooled | \$120.00 | Ton |
| CH011 | AC/HP Unitary System ≥ 135 kBtu/h, Water-cooled | \$120.00 | Ton |

Variable Frequency Drives (VFD) For HVAC Fans

- VFD incentives are for fan applications on HVAC distribution systems.
- The maximum fan size is 100 hp. The installation of a VFD on a HVAC fan is eligible for a rebate only if throttling devices, such as inlet vanes, bypass dampers and throttling valves, are removed or permanently disabled.
- A 3% impedance choke is recommended.
- Useful life period for VFDs is defined as 15 years.

| Rebate ID | Description | Rebate Amount | Unit Of Measure |
|-----------|----------------------------------|---------------|-----------------|
| CH012 | Variable Frequency Drives (VFDs) | \$70.00 | hp |

Variable Speed Motor (VSM) Air Handler System

- VSM must be installed in conjunction with a NEW air conditioner or heat pump. Purchase and install a VSM or other advanced motor technology for efficient air handlers installed with any air conditioner or heat pump, split or package air handler system.
- This incentive is restricted to air handlers that operate during the cooling season (summer months), which circulate air through a cooling coil of an air conditioner or heat pump system, and use the same duct system.
- Not valid with High Efficiency AC Unitary System < 65 kBtu/h, air cooled (single phase) – Rebate ID CH015
- Useful life period for VSMs is defined as 15 years.

| Rebate ID | Description | Rebate Amount | Unit Of Measure |
|-----------|---|---------------|-----------------|
| CH013 | Variable Speed Motor Air Handler System | \$50.00 | Unit |

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Considering other energy saving improvements?

An MID Custom Commercial Rebate may be available:

MID's Custom Rebate Program is available to larger commercial, industrial or agricultural customers who replace existing equipment or systems with high efficiency equipment.

Questions? Call (209) 526-7339

MID web site: www.mid.org