

Advanced Rooftop Unit Control Qualified Products List



Applicable to: Commercial Full ARC and ARC-Lite Retrofits
 Effective: October 1, 2019 to September 30, 2021
 Product List last updated: April 21, 2020

The product list is periodically updated to reflect newly qualified models. For more information, or to request that products be added to the list, please visit BPA's Trade Ally Network NW website at tradeallynetworknw.com. All product additions are reviewed and accepted by Bonneville Power Administration prior to publication on the product list.

Full ARC Retrofit:

Manufacturer	Model
Bes-Tech*	Digi-RTU
Enerfit*	Enerfit v1 or v2 controller
Honeywell*	LCBS with SmartVFD and LGW1000 Gateway
Johnson Controls*	Verasys System with Smart Building Hub and Constant Volume Controller
Pelican Wireless Systems*	Pelican solution that includes: <ul style="list-style-type: none"> • Pelican TS200 or TS200H (with a plus50 sensor) or a TS250 or TS250H Thermostat • Pelican zone controller Z8 or Z24, or PEARL Economizer • Pelican Extended Range Wireless Gateway
Transformative Wave*	Cobalt with CATALYST CATALYST with eIQ BMS
Unity Energy Solutions*	Unity solution that includes: <ul style="list-style-type: none"> • USC Site Controller • SMT400 Thermostat or M-172 PLC Controller • Site Support Package Subscription

ARC-Lite Retrofit:

Manufacturer	Model
Bes-Tech*	Digi-RTU
Enerfit*	Enerfit v1 or v2 controller
Honeywell*	LCBS with SmartVFD
Johnson Controls*	Verasys System with Smart Building Hub and Constant Volume Controller
Lennox*	ARC with DCV
NexRev*	DrivePak
Pelican Wireless Systems*	Pelican solution that includes: <ul style="list-style-type: none"> • Pelican TS200 or TS250 Thermostat • PEARL Economizer • Pelican Extended Range Wireless Gateway
Software Motor Company	Smart Motor System
Transformative Wave	CATALYST Lite
Unity Energy Solutions*	Unity solution that includes: <ul style="list-style-type: none"> • USC Site Controller • SMT400 Thermostat or M-172 PLC Controller

*Though not a requirement of the measure, additional features such as web-enabled monitoring and controls are beneficial to ARC retrofits. Products that allow for this option are demarcated with an asterisk above.

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Advanced Rooftop Control (ARC) retrofits add a variable frequency drive (VFD) and controls to existing, constant-speed HVAC rooftop unit (RTU) supply fans. There are two types of ARC products offered, depending on their feature sets.

ARC Retrofit – Lite

ARC-Lite products add one of the following equipment options to the existing RTU:

- A VFD and controller for variable speed fan operation; or
- A multispeed motor and controller for multispeed fan operation.

ARC Retrofit – Full

Full-ARC products add one of the following equipment options to the existing RTU:

- A VFD and controller for variable speed fan operation; or
- A multispeed motor and controller for multispeed fan operation.
- Digital, integrated economizer control with either differential dry-bulb, or differential enthalpy with fixed dry-bulb high-limit shutoff; and
- Demand Control Ventilation with proportional control, based on CO2 sensor readings.

Products that do not qualify for an ARC incentive may still be considered for incentives under the custom analysis path.