

# HEATING SHOWCASE

## 2018 NEW COMMERCIAL PRODUCTS



an inverter-driven blower (MSAV™) that reduces airflow to provide moisture removal in part-load cooling. MERV 14 filters are optional. **Thermostat compatibility:** Compatible with most thermostats.

**Replacement parts compatibility:** Shares replacement parts with other models.

**Additional features:** This unit offers a Pure Comfort™ system with two-stage cooling and factory-installed MSAV, Advanced Condensate Management™ design to control condensation to keep moisture where it belongs, and Simple Service™ features.

**Warranty information:** Five-year limited warranty on compressor and one-year limited warranty on covered components.

**Special installation requirements:** None.

**Contact:** Lennox Commercial, 972-947-7802; www.lennoxcommercial.com.

eProduct 199

### LG ELECTRONICS AIR CONDITIONING TECHNOLOGIES

**Model:** Multi V™ 5 heat recovery/heat pump (outdoor unit), ARUM241BTE5

**Serviceability features:** Easy to service and onboard self-diagnostics. Periodic indoor unit filter changes and annual outdoor unit coil cleaning. Additionally, the app, Mobile LGMV, is available to enable users to easily visualize system performance in a convenient and intuitive platform on their smartphone.



**Noise-reduction features:** Biomimetic fan design.  
**IAQ equipment supported:** Manufacturer did not specify.  
**Thermostat compatibility:** Part of a Multi V system that is compatible with most thermostats  
**Replacement parts compatibility:** Shares replacement parts with other models.  
**Additional features:** Operates in ambient conditions

down to minus 13°F, making it suitable for commercial applications in extreme cold weather climates.

**Warranty information:** Standard one-year parts warranty for a qualified system. Extended warranties of a total of 10 years are available for qualified systems. For complete warranty details visit, www.lghvac.com.

**Special installation requirements:** Manufacturer did not specify.

**Contact:** LG Electronics Air Conditioning Technologies, 212-880-5266; www.lghvac.com.

eProduct 200

**Model:** Multi V S 5-ton heat recovery outdoor unit

**Serviceability features:** Easy to service and requires little maintenance.

**Noise-reduction features:** Uses a variable-speed compressor.

**IAQ equipment supported:** Manufacturer did not specify.

**Thermostat compatibility:** Compatible with most thermostats.

**Replacement parts compatibility:** Some shared parts and some unique parts.

**Additional features:** This heat recovery system is designed to provide energy efficient and flexible simultaneous heating and cooling, down to minus 13°F. System is designed to provide energy-efficient, simultaneous heating and cooling, even in the most extreme weather.



**Warranty information:** Standard limited liability warranty is five-year parts and seven-year compressor. Qualifying systems registered through www.lg.com will receive 10-year parts and 10-year compressor warranty. LG Excellence Contractors who register qualifying systems on www.lg.com will receive 12 years for the parts and compressor.

**Special installation requirements:** A heat recovery unit is required for simultaneous heating and cooling operation.

**Contact:** LG Electronics Air Conditioning Technologies, 212-880-5266; www.lghvac.com.

eProduct 201

### LOCHINVAR

**Model:** CREST condensing boiler

**Serviceability features:** These models feature a redesigned gas and air manifold to allow for easy and efficient maintenance.



**Noise-reduction features:** Manufacturer did not specify.  
**IAQ equipment supported:** Manufacturer did not specify.  
**Thermostat compatibility:** Compatible with most thermostats.  
**Replacement parts compatibility:** Some shared parts and some unique parts.  
**Additional features:** Up to 96 percent thermal efficiency. Designed, engineered, and assembled in the U.S., the boiler comes in 12 models ranging from 2.5 to 6 million Btuh. Turndown ratios of 20:1. Corrosion-resistant 316L stainless steel fire-tube heat exchanger. CON-X-US™ remote connectivity is standard, allowing for adjusting equipment controls and monitoring boiler performance from most smart devices. Up to eight CREST condensing boilers can be cascaded together for redundancy

**Warranty information:** For 10 years, Lochinvar warrants this product against defects in materials or workmanship and failure due to thermal shock.

**Special installation requirements:** Boiler offers six venting options and permits direct-vent air intake and exhaust runs of up to 100 feet using AL29-4C stainless steel vent pipe on all models as well as CPVC, PVC, and polypropylene on the 2501-3501 models.

**Contact:** Lochinvar, 615-830-5777; www.lochinvar.com.

eProduct 202

### LUXAIRE

**Model:** Eclipse™ XQE04-06 and XEA7-12 standard efficiency heat pump

**Serviceability features:** Setup, optimization, and monitoring are easy with standard Smart Equipment controls – a next-generation control system offering optional Mobile Access Portal (MAP) Gateway for access via a smartphone, tablet, laptop, or remote PC. An optional Fault Detection and Diagnostics (FDD) saves contractors time by providing detailed alerts.

**Noise-reduction features:** Designed for outdoor operating sound levels as low as 79 dBA.

**IAQ equipment supported:** Units are available with an economizer and fresh air and relief damper options, three

static drive options for airflow versatility up to 2-inch external static pressure (ESP), and options for 2-inch or 4-inch field-convertible air filters and epoxy coil coating options.



**Thermostat compatibility:** Compatible with most thermostats.

**Replacement parts compatibility:** Shares replacement parts with other models.

**Additional features:** Heat pumps feature an exact-fit replacement design that matches the footprints of other manufacturers' units to reduce installation time, cost, and complexity. Available with adjustable defrost and three heat capacities, two cabinet heights and footprint sizes, and a choice of cooling or electric heat configurations.

**Warranty information:** One-year limited warranty on complete unit. Compressors and electric heater elements each carry a five-year limited warranty.

**Special installation requirements:** None.

**Contact:** Luxaire, 405-419-6545; www.luxaire.com/eclipse.

eProduct 203

### MITSUBISHI ELECTRIC TRANE HVAC US

**Model:** PLYF-NFMU 2x2 ceiling cassette (indoor unit)

**Serviceability features:** These units fit into the same space as many standard ceiling tiles. The unique corner-pocket design allows service access through each of the four corners for easy maintenance and height adjustments. In addition, washable filters provide about 2,500 hours of use in a standard commercial environment before cleaning is required.



**Noise-reduction features:** A 3-D turbo fan provides quiet, comfortable space conditioning.

**IAQ equipment supported:** Supports ventilation air intake.

**Thermostat compatibility:** Requires a special thermostat.

**Replacement parts compatibility:** Some shared parts and some unique parts.

**Additional features:** Features technology that increases efficiency without sacrificing occupant comfort. The redesigned 3D i-see Sensor™ continuously scans the room and adjusts temperatures to maintain comfort according to the requirements of the space. Ventilation air intake is supported, and the 3-D turbo fan allows for customized airflow patterns to provide conditioning for a variety of room layouts.

**Warranty information:** As part of the CITY MULTI® system, the warranty is to the original owner for a period of 10 years from the date of installation if the system is designed by a Diamond Designer using Diamond System Builder™ software and the installing HVAC contractor has successfully completed the CITY MULTI approved training course. The complete warranty documents can be found on MyLinkDrive.com: <http://meus1.mylinkdrive.com/Policies/index.html>.

**Special installation requirements:** The 3D i-see Sensor requires the use of a PAR33MAA-J controller.

**Contact:** Mitsubishi Electric Trane HVAC US LLC, 703-797-7107; www.metahvac.com.

eProduct 204

### MODINE

**Model:** Effinity™ unit heater with building management system, PTC/BTC

**Serviceability features:** Communication over BACnet and Modbus. Runs on traditional thermostat input signal or return air sensor. Board can control three outputs: blower, stage one, and stage two valve. Uses unit heater temperature to perform energy saver function. Signals