Manufacturer Update – 2014 IGSHPA

- LV Single Stage Split System Heat Pump
- LM Two-Stage High Efficiency Packaged Heat Pump
- New Extended Warranty Options

Chilton Stewart – National Sales Manager, Commercial Heat Pumps
LV Split Systems | Water Source Heat Pump

1½ to 6 tons, 8 models, Single Stage

The option-rich LV Split System offers space-saving flexibility and quiet comfort, making it a great choice for retrofit and new construction projects.
LV Split Systems | Features

Quiet Operation
- Floating Compressor Base
- ECM – Constant torque (std.) or constant airflow (option)
- Closed-cell Foam Insulation (opt.) – Fiber-free and reduces sound transmission

Service Friendly
- Blower Inlet Ring - Allows quick servicing of fan motor
- External LED Status Panel (opt.) – Aids troubleshooting prior to panel removal
- Dual TXVs – ensures optimal refrigerant flow
LV Split Systems | Features

Robust Construction

• Horizontal and Vertical Air Units
• G90 Galvanized Steel Cabinet
• Duo-Guard™ Air Coil Protection System (opt.)
  • Tin Electro-Plated copper tubing eliminates potential problems with formicary corrosion
  • Polymer Coated Aluminum Fin provides protection against harsh environments (coastal)
• Stainless Steel Drain Pan – lasts the life of the unit
LV Split Systems | Features (Cont.)

Safety
• Condensate Overflow Sensor
• Dual Refrigerant Freeze Sensors
• Flow Proving Switch (opt.) - Prevents compressor operation if water flow fails

Configurable for your Needs
• Single Phase and 3-Phase Voltages
• Geothermal Ready
• Boilerless Control (opt.) - Disables the compressor and activates electric heater if EWT drops below set point
• 2-Position Water Solenoid Valve (opt.)
• Water Flow Regulator (opt.) - Provides 3 GPM per nominal cooling ton capacity
• 2” MERV 8 & 13 Filters (opt.)
• Unit Mounted/Wired Disconnect Switches (opt.) – both sections

LV Split Systems Features

Additional Options
• ECM Constant Airflow Fan Motor
• Phase Protection
• Comp. Monitor/Pump Relays
• Energy Management Switch
• 75VA & 100VA Transformer
• CuNi heat exchanger
• DDC
• Compressor Blanket (018 & >)
LV Split Systems | Water Source Heat Pump

AHRI/ANSI 13256-1 Standard Performance

<table>
<thead>
<tr>
<th>Model</th>
<th>Ground Loop Heat Pump</th>
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<td>EER Btuh/W</td>
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Meets ASHRAE 90.1-2013
Applications for LV Split Systems

➢ Tight spaces where a packaged heat pump won’t fit
➢ Sound-sensitive areas

Available Now!

Questions about LV Split Systems?
The new fully featured LM with a two capacity scroll compressor and an ECM Motor result in superior efficiency and comfort.
**LM Model | Features**

**Quiet Operation**
- **ECM** – Constant torque (std.) or constant airflow (option)
- **Floating Compressor Base**
- **Closed-cell Foam Insulation (opt.)** – Reduces cabinet leakage to 2%; fiber-free; reduces sound transmission

**Service Friendly**
- **Blower Inlet Ring** - Allows quick servicing of blower fan motor
- **External LED Status Light (opt.)** – Reduces troubleshooting
- **Comfort Alert Module (opt.)** – Aids compressor troubleshooting

**Robust and Durable Construction**
- **G90 Galvanized Steel Cabinet**
- **Stainless Steel Drain Pan** – lasts the life of the unit
- **Horizontal and Vertical Configurations**
- **Duo-Guard™ Air Coil Protection System (opt.)** – best-in-industry protection against formicary and other forms of corrosion, including seashore applications
Safety
• Condensate Overflow Sensor
• Dual Refrigerant Freeze Sensors
• Flow Proving Switch (opt.) - Prevents compressor operation if water flow fails

Configurable for your Needs
• Internal Elec. Heat (opt.) – 5, 10, 15, 20 kW
• 2-Position Water Solenoid Valve (opt.)
• Water Flow Regulator (opt.) - Provides 3 GPM per nominal cooling ton capacity
• Geothermal Ready
• 2” MERV 8 & 13 Filters (opt.)
• Unit Mounted/Wired Disconnect Switches (opt.)
• Hot Gas Reheat – for humidity control
• Internal Water Pump (opt.) – 208/230 only

LM Model Features

Additional Options
• ECM Constant Airflow Fan Motor
• Phase Protection
• Comp. Monitor/Pump Relays
• Energy Management Switch
• 75VA & 100VA Transformer
• CuNi heat exchanger
• DDC
• Boilerless Control
• SmartStart (208/230 only)
• Compressor Blanket
## AHRI/ANSI 13256-1 Standard Performance

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Applications for LM

- High-End Multi-Family, Condominiums
- Owners wanting a greater level of comfort

Available Now!

Questions about LM Model?
Configurable for your Needs – Extended Warranties

• Standard Warranty all products 1 year parts & 5 years compressor parts from startup / 18 months & 6 years from shipment, whichever occurs first
• Extended warranty terms and items covered are variable to fit your needs
• Delayed Startup Warranty Extension is available
• Extended Warranties can be purchased after product ships