Shipping and Packing List

Check unit for shipping damage. Consult last carrier immediately if damage is found.

Package 1 of 1 contains:
1 – 100016-05 Variable-Speed Fan Motor
1 – Wiring Diagram for ML16XP1 and EL16XP1 3-5 Ton (538019-01)

WARNING
Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Installation and service must be performed by a licensed professional HVAC installer or equivalent, service agency, or the gas supplier.

CAUTION
As with any mechanical equipment, contact with sharp sheet metal edges can result in personal injury. Take care while handling this equipment and wear gloves and protective clothing.

WARNING
Electric Shock Hazard! – Disconnect all power supplies before servicing. Replace all parts and panels before operating. Failure to do so can result in death or electrical shock.

NOTE – After the motor / fan replacement kit is installed, the resulting unit configuration is that of an N model and the N-model wiring diagram becomes applicable to the respective unit.

Application

Instructions for removal of factory-installed outdoor one-piece motor / plastic fan blade assembly and installation of alternate motor and metal fan blade.

This kit can be applied to ML16XP1 and EL16XP1 3- through 5-ton models.

NOTE – Replacement outdoor motor and metal fan blade must be ordered separately.

Replacement Procedure

1 - Disconnect all power to unit. Remove unit access panel. See unit installation instructions for access panel removal procedure.
2 - Disconnect all wire connections to and from the outdoor fan motor.
3 - Remove top panel with fan motor / fan blade attached.
4 - Remove fan blade from motor shaft and save for reattachment to new motor later.
5 - Remove fan motor from top panel assembly.
6 - Install new fan motor packaged in this kit.
7 - Reinstall fan blade on the new fan motor.
8 - Route fan wires through conduit to the control panel.
9 - Secure top panel assembly back onto the unit.
10 - See the provided wiring diagram sticker for routing of connections.
11 - Place the provided wiring diagram sticker over the existing diagram on the control access panel.
12 - Check all other wire connections before reconnecting power.
13 - Restore power to the unit.
# TABLE 1. Fan RPM for ECM Motors

<table>
<thead>
<tr>
<th>ECM MOTOR Model Number</th>
<th>Stage 1 RPM</th>
<th>Stage 2 RPM</th>
<th>EDA Stage RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>(M/E)L16XP1-036-230XXX</td>
<td>820</td>
<td>N/A</td>
<td>250</td>
</tr>
<tr>
<td>(M/E)L16XP1-042-230XXX</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(M/E)L16XP1-048-230XXX</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(M/E)L16XP1-060-230XXX</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FIGURE 1.** Typical Wiring Diagram – 16 SEER Heat Pump -036 through -060