

Service Bulletin

SR-056

DATE: August 12, 2013
TO: All Service and Parts Managers
SUBJECT: Requirements for Low Ambient Kits on Split System Coolers and Heat Pumps

Currently the I&O manuals for split system coolers and heat pumps are being updated to reflect a new allowable minimum outdoor temperature rating while running systems in cooling mode. Installation manuals will state ("Outdoor units are approved for operation above 55 °F in cooling mode. Operation below 55 °F requires the use of an approved low ambient kit.").

Currently, the only approved low ambient control is the **LAKT01** low ambient control.

Note: These kits are not approved for any 16 and 18 SEER outdoor units that utilize an ECM condenser fan motor.

If a low ambient control is used on a split system cooler or heat pump, the following accessories must be installed:

1. Crankcase heater must be installed if not factory installed.
2. Hard start kit for single phase units. (See spec sheet for accessories)
3. TXV kit installed on indoor evaporator coil if not factory installed.
4. FSK01A - Freeze protection kit must be installed on the indoor coil.
5. Wind buffer must be installed for temperatures below 0 °F or areas with high prevailing winds. Wind buffer can be a wall fabricated from wood or masonry material that will prevent the prevailing wind from causing the outdoor fan to rotate. **NOTE:** When wind buffer is installed, it is necessary to use minimum 4" risers to elevate the unit off of the pad to provide better airflow for moderate and high ambient temperatures.

Refer to IO-709F for installation of all LAKT01, 02 and 03 low ambient kits.

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