

ENGINEERING POLICY

Tecumseh Compressor Company
Compressor Group



Tecumseh

ENGINEERING POLICY ON: TECUMSEH ROTARY COMPRESSORS APPLIED TO PORTABLE SPLIT WINDOW RAC

EP-12

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The following guidelines are offered to assist in the application of the Tecumseh rotary compressor in a Portable Split Window RAC system. By definition this unit has the compressor in the indoor section and flexible connecting discharge / liquid (capillary tube) lines between the indoor and outdoors sections.

1. The system must be tested to prove that under the most extreme conditions the compressor lubricating oil will return to the compressor. These tests must consider, but not limited to, minimum refrigerant charges, minimum indoor airflow, minimum outdoor ambient and maximum vertical distance between the indoor and outdoor components.
2. Connecting flexible discharge / liquid lines must not exceed 12 feet (3.7 meters)
3. The system must leave the factory fully assembled, refrigerant charged and ready for field operation.
4. Connecting flexible lines intended for field disconnect and reconnect must be accomplished by trained personnel that are made aware of the consequences of allowing dirt to enter the system.
5. Field disconnecting of the connecting lines must be limited to a number of times that does not impair system performance, due to moisture, system contaminates, loss of refrigerant charge and or compressor oil.