

Heating and Air Conditioning: Capacity Specifications

Refrigerant Oil Distribution

REFRIGERANT OIL DISTRIBUTION

The Harrison HT-6 compressor system used on all models requires polyalkaline glycol (**PAG**) refrigerant oil in the quantities listed below:

- Without Aux. A/C - **240 ml (8 fl oz)**
- With Aux. A/C - **330 ml (11 fl oz)**

New oil quantities must be added to the system during component replacement and conditions stated as follows:

- With no signs of excessive oil leakage, add:
 - A. All Compressors (drain and measure the oil)
 - If less than **30 ml (1 fl oz)** is drained-add **60 ml (2 fl oz)** to the new compressor.
 - If more than **30 ml (1 fl oz)** is drained-add same amount that was drained to the new compressor.
 - B. Accumulator-Add **105 ml (3.5 fl oz)** of new oil to the replacement accumulator to compensate for oil retained by original accumulator desiccant and bag assemblies. The accumulator should only be replaced if leaking due to a perforation, damaged O-ring seal seat, or damaged threads.
 - C. Evaporator-Add **90 ml (3 fl oz)** of new refrigerant oil.
 - D. Condenser-Add **30 ml (1 fl oz)** of new refrigerant oil.

REFRIGERANT OIL LOSS DUE TO A LARGE LEAK

If the refrigerant charge is abruptly lost due to a large refrigerant leak, approximately **90 ml (3 fl oz)** of refrigerant oil will be carried out of the system suspended in the refrigerant. Any failure that caused a abrupt refrigerant discharge will experience this oil loss. Failures that allow the refrigerant to seep or bleed off over time do not experience this oil loss.

Upon replacement of a component that caused a large refrigerant leak, add **90 ml (3 fl oz)** of new polyalkaline glycol (**PAG**) refrigerant oil plus the desired amount of oil for the particular component.