
Hermetic LSC Replacement

Hartford Compressors does not rebuild or support the rebuilding of Hermetic Large Screw Compressors motor assemblies. However, the mating flange between the compressor and motor assembly is identical to the open drive versions which Hartford Compressors does currently manufacture and support. If you have a failure or wish to service a hermetic LSC, you have the following options.

If the motor is damaged:

- Replace the entire compressor-motor assembly and retrofit an open-drive compressor onto the package. This will require sourcing an open-drive, 2-pole motor from a reputable motor manufacturer. It may also require adding an oil separator as some compressor units had this as an integral feature.
- Attempt to service the internal components of the motor assembly. We do stock some internal components (gaskets, terminal posts, etc.) but cannot guarantee availability. If the main bearings in the motor assembly need replacement, they will require align boring to finished dimensions.

If the compressor is damaged:

- Return the compressor-assembly for credit towards a new or remanufactured, "E" or "F" version. "D" version compressors can be repaired and rebuilt *only* if *all* major components are in reusable condition. In either case, take special note of the following.
 1. The unloader cylinders on "E" and "F" version compressors are approximately 9 inches longer than "D" and earlier versions. Precautions must be taken to ensure that the unloader cylinder will clear major piping on the package.
 2. After separating the motor and compressor assemblies, the spline coupling *must* be removed from the compressor shaft. If no replacement coupling is available, it must be saved. This can be difficult but must be done.
 3. The replacement compressor will be shipped with a discharge cover and shaft-seal. These must be removed and a new discharge cover gasket should be used when reattaching the compressor and motor assemblies.
- Attempt to service the internal components of the compressor assembly.