

New Crankcase Heater Design for 06D/E/CC Compressors



Carlyle Compressor is now introducing a modified 115 and 230 volt crankcase heater design for our semi-hermetic 06D/E/CC compressors. This

new design has proven to be much more reliable during all qualification testing than the earlier design and new accessory package numbers have been set up. The crankcase heater helps reduce the refrigerant migration to the compressor during shutdown and it is very important that it operates properly especially with the new HFC refrigerants and POE lubricants. The new design can be installed in all older 06D/E/CC compressor models that used the older crankcase heater. While the new design is functionally

interchangeable with the old design, there are several dimensional differences. One is the shape of the heater (straight vs. L shaped) and the other is the wire length. The new shorter wire length is still adequate to reach the 06D/E terminal box. If the heater is connected to some other location which is further away, it will require splicing. The new designs are also produced by new suppliers and have different UL and CSA approval numbers. Contact Carlyle Application Engineering if this information is required. We will automatically convert to the new design as we use up our current inventory.

Shown below in Figures 1 and 2 are photos of the new and old designs.

OLD DESIGN



NEW DESIGN



Shown are specifications comparing the old accessory package with the new. All of the insertion-type heater packages will include a AS81 F056 insertion clip and thermal grease to improve heat transfer.

Crankcase Heater Pkg.	Old vs. New	Heater Number	Volts	Watts	Conduit Length (In.)	Wire Length (In.)
06EA660148	Old	HT36FZ379	115	180	52	73
06EA660165	New	HT36DM132	115	180	19	24
06EA660149	Old	HT36FZ479	230	180	52	73
06EA660166	New	HT36DM432	230	180	19	24
06DA660076	Old/New	HT36DL480	480	125	None	24