

BULLETIN

Carrier Corporation



Carrier

A United Technologies Company

North American Operations

Number: C9921 Date: 11/16/99 Supersedes: C9718 Date: 10/30/97
Title: 19XR HIGH SPEED SHAFT CHANGE
Category: *GENERAL* Termination Date:
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Models CAC: 19XR Frame 3 and 4
Affected: BDP:

Superseded by Bulletin C0107

PURPOSE:

To inform the field of a change in the diameter of the high speed shafts on frame 3 and frame 4 19XR compressors.

NOTE: This bulletin has been revised to correct part number errors. Numbers with a * have been corrected.

GENERAL INFORMATION:

The frame three and frame four 19XR compressors were released with a high speed shaft that measured 1.15 inches at the impeller mounting end of the shaft. To increase the overall strength of the shaft for higher tonnages the diameter was changed to 1.37 inches. Approximately 8/97 all production units utilized the new large diameter shaft.

SERVICE PARTS

Service parts only stocks the new larger diameter shaft and associated impellers. Before ordering replacement parts it will be necessary to check the diameter of the shaft (see figure 1) (i.e. if the machine has a small diameter shaft and either the shaft or impeller needs to be replaced, a new shaft, impeller, spacer, and shim pack, etc. will need to be ordered).

(SEE SHAFT ON HARD COPY)

Figure 1. High Speed Shaft

C9921 – 19XR HIGH SPEED SHAFT CHANGE

Page 2 of 2

The table below contains the large diameter high speed assembly part numbers along with the other associated parts that will need to be ordered if replacing a small diameter with a large diameter. The large diameter shaft will work with a small diameter thrust housing assembly.

<u>PART NAME</u>	<u>FRAME 3 COMPRESSOR</u>	<u>FRAME 4 COMPRESSOR</u>
HI SPD BRG & SHAFT ASSY 60 HZ	02XR34000201	02XR44000701
HI SPD BRG & SHAFT ASSY 50 HZ	02XR34000202	02XR44000702 *
INCLUDES:		
HIGH SPEED SHAFT 60 HZ	02XR35008401	02XR45008601
HIGH SPEED SHAFT 50 HZ	02XR35008402	02XR45008602
SPACER	02XB35006801 *	02XB35006801 *
KEYS	02XR35005701 (2)	02XR45006502 (2)
ROLL PIN	AX14CA064 (2)	AX14CA096 (2)
IMPELLER NOSE PIECE	02XR35008701	02XR45009201
IMPELLER CAP SCREW	AA44AA269	AA44AA267
IMPELLER WASHER	02XB05002701	02XB05002702
SHIM	02XR35008601	02XB35006901 *
IMPELLER	CONTACT RCD	CONTACT RCD

Table 1 Large Diameter Parts List