ICE CUBERS T ICE DISPENSERS T ICE STORAGE BINS
REACH-IN REFRIGERATORS & FREEZERS

ISO 9001 Quality System Certified

INSTRUCTIONS FOR REPLACING COMPRESSOR AND ELECTRICAL COMPONENTS IN COMPRESSOR ASSEMBLY 7620303 230V/60 HZ/1 PHASE

A-2200, A-1100, B-1100, C-1100 SERIES MACHINES WITH BRISTOL REPLACEMENT COMPRESSOR

The Bristol model M13A163**** compressor is set up as a direct field replacement for the Tecumseh AH7514A compressor. The mounting foot pattern on the Bristol is exactly the same as the Tecumseh. To get the tubing to line up, the Bristol compressor should be turned 90°. In the case of the 1100 series, the compressor terminal box will be back against the ice machine's bulkhead.

The A, B, and C vintage machines have 3/4" suction lines; the Bristol is set up with 5/8". A short piece of 5/8" tubing is needed to be used as an adapter sleeve. It will fit the compressor suction spud and can be slipped inside the 3/4" existing tubing. All the other tubes are readily field adaptable.

The Bristol does use a different start capacitor, run capacitor, and start relay. These are supplied with service compressors. They **must** be changed at the time of installation.

The Bristol compressor is wired the same as the Tecumseh and will take the same nameplate refrigerant charge.

The following parts are included in this assembly:

(1) Run Capacitor.....8503663
(1) Start Relay.....8503653
(1) Start Capacitor.....8503643

E-1100 SERIES MACHINES WITH BRISTOL REPLACEMENT COMPRESSORS

The Bristol model M13A163**** compressor is set up as a direct field replacement for the Tecumseh AH7514A compressor. The mounting foot pattern on the Bristol is exactly the same as the Tecumseh. The Bristol should be installed in the machine with the compressor terminal box to the front of the machine. The process tube can be easily bent into position.

The Bristol does use a different start capacitor, run capacitor, and start relay. They are supplied with the service compressor. They **must** be changed at the time of installation.

The Bristol compressor is wired the same as the Tecumseh and will take the same nameplate refrigerant charge.

If this Bristol compressor is replacing a Copeland Compressor, a lead wire conversion kit, 7621883, may be necessary. This is available through your local Manitowoc distributor.

This replacement compressor may be different than the original compressor and/or have slightly different tubing configurations. The suction line, discharge line, and/or suction service line at the compressor may need to be rerouted, when making this change-out.

8003183
Revised 10/26/95

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