

Electrical Handbook

2010-2011 Edition

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FOREWORD

The progress of Emerson Climate Technologies, Inc., as well as that of refrigeration and air conditioning in general, has been greatly aided by good field service. Everyone at Emerson recognizes and appreciates the important contribution of the service engineer upon whose talents we and all refrigeration equipment manufacturers depend to assure complete user satisfaction.

This booklet covers, in detail, electrical service information on welded compressors, Copelametic® and Copeland Scroll® compressors. In addition, electrical service information is provided for Copeland® condensing units. The booklet is designed to assist the service engineer to better understand the function of such items as motors, relays, starting capacitors, running capacitors and motor protectors. In addition to electrical information, a brief section dealing with diagnosing the causes of compressor failures is included.

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