



MiniMate Microprocessor Controlled Parts Manual 60 Hz

Liebert Corporation may make improvements and/or changes in the products described in the document at any time without notice. Part numbers and technical information are subject to change without prior notice.

Liebert Corporation assumes no responsibility and disclaims all liability for incidental or consequential damages resulting from use of this information from errors or omissions.

mini-MATE™

MICROPROCESSOR

CONTROL

PARTS MANUAL

60 HERTZ

Disclaimer of Warranties and Limitation of Liabilities

The authors and editors have taken every precaution to ensure accuracy and completeness in this manual. The authors and editors make no expressed or implied warranty of any kind with regard to the documentation in this manual. Liebert Corporation assumes no responsibility, and disclaims all liability for incidental or consequential damages resulting from the use of this information or from errors or omissions. Liebert Corporation may make improvements and/or changes in the product(s) described in this manual at any time. Information in this manual is subject to change at any time and does not represent a commitment on the part of Liebert Corporation.

A **Reader Comment Form** is provided at the back of this manual. If the form has been removed, address comments to: Liebert Corporation, Customer Service & Support Division, 250 East Wilson Bridge Road, Suite 100, CS&S Documentation Support Group, Worthington, OH 43085. Liebert Corporation may use or distribute the information you supply in any way it believes appropriate without incurring any obligation whatever.

Liebert® and the Liebert logo are registered trademarks of Liebert Corporation. mini-MATE® is a trademark of Liebert Corporation.

Copyright © 1991 by Liebert Corporation
All rights reserved

Printed in the United States of America

TABLE OF CONTENTS

SECTION		PAGE
1	EVAPORATOR/WATER GLYCOL/CHILLED WATER 1.5 TON	1-1
	MME018E, MME018A, MME020WG, MME23C	
	Electronic/Electrical	1-3
	Capacitor	
	Contactor	
	Circuit Breaker	
	Relay	
	Transformer	
	Miniature Screwdriver	
	PCB, Microprocessor	
	PCB, Interface	
	PCB, Temperature/Humidity	
	Humidifier Assembly	1-4
	Electrical Components	
	Humidifier Components	
	Reheat Assembly	1-5
	Electrical Components	
	Reheat Components	
	Piping/Coil/Compressor	1-6
	Coil, Condenser	
	Coil, Evaporator	
	Compressor	
	Drain Pan	
	Filter Drier	
	Freezestat	
	Liquid Level Switch	
	Valve, Chill Water	
	Valve, Expansion	
	Valve, Solenoid	
	Valve, Water Regulator	

TABLE OF CONTENTS (Continued)

SECTION		PAGE
	Blower Assembly	1-7
	Blower Wheel and Housing	
	Fan Motor	
	Panels	1-7
	Panel, Right Side Access	
	Panel, Left Side Access	
	Panel, Compressor Access	
	Panel, Blower Access	
	Panel, Electric Box	
	Hanger Bracket	
	Grilles	1-7
	Filter	
	Grille, Discharge	
	Grille, Return	
2	SPLIT SYSTEM: CONDENSER BLOWER FOR MME018A	2-1
	SPLIT SYSTEM: CONDENSER ASSEMBLY FOR DMC020	2-1
	Blower Assembly, MME018	2-3
	Capacitors	
	Fan Speed Control	
	Fan Motor	
	Electrical, DMC020	2-4
	Capacitor	
	Contactor	
	Relay	

TABLE OF CONTENTS (Continued)

SECTION	PAGE
Compressor, DMC020	2-4
Compressor	
Switch, Pressure	
Coil/Piping, DMC020	2-4
Coil, Condenser, DX	
Filter Drier	
Heater Pad	
Receiver, Lee Temp	
Valve, Check	
Valve, Low Ambient Control	
Valve, Relief	
Valve, Solenoid	
Fan Assembly, DMC020	2-4
Fan Blade	
Fan Motor	
Fan Shroud	
APPENDIX A MODEL NUMBER BREAKDOWN	A-1

SECTION 1

EVAPORATOR/WATER GLYCOL/CHILLED WATER 1.5 TON MME018E, MME018A, MME020WG, MME23C

- Electronic/Electrical
- Humidifier
- Reheat
- Blower
- Piping
- Coil
- Panel

ELECTRONICS/ELECTRICAL

PAGE 1 - 3

MME018E-PHO/XHO
MME018A-PHO/XHO
MME023C-PHO/XHO
MME020WG-PHO/XHO

[illegible]



MME018E-POO/PHO
MME018A-POO/PHO
MME023C-POO/PHO
MME020WG-POO/PHO

[illegible]

MME018E-PHO/XHO
MME018A-PHO/XHO
MME023C-PHO/XHO
MME020WG-PHO/XHO

◀ ▶ ▶

[illegible]

SECTION 2

SPLIT SYSTEM: CONDENSER BLOWER FOR MME018A SPLIT SYSTEM: CONDENSER ASSEMBLY FOR DMC020A

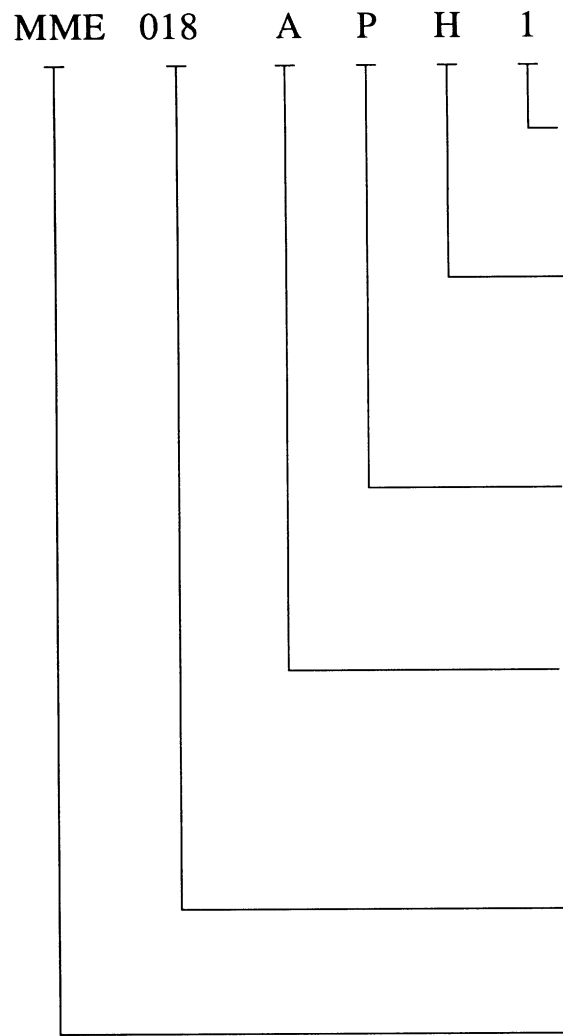
- Electrical
- Blower
- Compressor
- Piping
- Coil
- Condenser Blower
- Fan Assembly

MMCF-P00/PH0

[illegible]

[illegible]

MODEL NUMBER BREAKDOWN



Product Revision Level

H = With Humidifier (Evaporator)
O = WO Humidifier (Evaporator)
L = Lee-Temp (Condensing Unit)
H = High Pressure (WG Condensing)
O = Low Pressure (WG Condensing)

A = 460 3 Phase
B = 575 3 Phase
P = 208/230 1 Phase
Y = 208/230 3 Phase

A = Air Cooled
WG = Water/Glycol Cooled
W = Water Cooled
G = Glycol Cooled
C = Chilled Water
E = Evaporator

Nominal Capacity
in Thousand BTUH

MME = mini-MATE/mini-MATE Plus Evaporator Unit
MMC = mini-MATE Plus Condensing Unit
DMC = Outdoor Condensing Unit

To assure your manual is up to date, record the date you receive each update across from the appropriate number (UPDATE #1 DATE RECEIVED : 8 - 4 - 92)

<hr/>	
UPDATE #1	DATE RECEIVED : _____
UPDATE #2	DATE RECEIVED : _____
UPDATE #3	DATE RECEIVED : _____
UPDATE #4	DATE RECEIVED : _____
UPDATE #5	DATE RECEIVED : _____
UPDATE #6	DATE RECEIVED : _____
UPDATE #7	DATE RECEIVED : _____
UPDATE #8	DATE RECEIVED : _____
UPDATE #9	DATE RECEIVED : _____
UPDATE #10	DATE RECEIVED : _____
UPDATE #11	DATE RECEIVED : _____
UPDATE #12	DATE RECEIVED : _____
UPDATE #13	DATE RECEIVED : _____
UPDATE #14	DATE RECEIVED : _____
UPDATE #15	DATE RECEIVED : _____
UPDATE #16	DATE RECEIVED : _____
UPDATE #17	DATE RECEIVED : _____
UPDATE #18	DATE RECEIVED : _____
UPDATE #19	DATE RECEIVED : _____
UPDATE #20	DATE RECEIVED : _____
UPDATE #21	DATE RECEIVED : _____
UPDATE #22	DATE RECEIVED : _____
UPDATE #23	DATE RECEIVED : _____
UPDATE #24	DATE RECEIVED : _____

READER COMMENT FORM

This manual is a part of a library that serves as a source for suppliers and users of Liebert equipment. The authors have taken every precaution to ensure accuracy and completeness of the manual. Use this form to communicate your views about the publication. Your input is voluntary, but it is appreciated.

Mail comments to the address below. All comments are sent to the author's department for review and action, if any is deemed appropriate. Comments may be written in your own language. English is not required.

Liebert Corporation
Customer Services & Support Division
250 East Wilson Bridge Road
Suite 100, CS&S Documentation Support Group
Worthington, OH 43085
614-841-6400

Liebert Corporation may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation whatever. You may, of course, continue to use the information you supply.

___ Check if you wish a reply to your comments.

Name: _____

Address: _____

Occupation: _____

Comments: _____

READER COMMENT FORM

This manual is a part of a library that serves as a source for suppliers and users of Liebert equipment. The authors have taken every precaution to ensure accuracy and completeness of the manual. Use this form to communicate your views about the publication. Your input is voluntary, but it is appreciated.

Mail comments to the address below. All comments are sent to the author's department for review and action, if any is deemed appropriate. Comments may be written in your own language. English is not required.

Liebert Corporation
Customer Services & Support Division
250 East Wilson Bridge Road
Suite 100, CS&S Documentation Support Group
Worthington, OH 43085
614-841-6400

Liebert Corporation may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation whatever. You may, of course, continue to use the information you supply.

___ Check if you wish a reply to your comments.

Name: _____

Address: _____

Occupation: _____

Comments: _____

