Fig. 1—MA1A018–036 (A) Air Conditioner Schematic Diagram and Electric Heater Wiring Options

230v, 1 Phase, 60 Hertz

WIRING SCHEMATIC (AIR CONDITIONERS)

NOTES:
CC COMPRESSOR CONTACOTOR
BC BLOWER CONTROL
SEQ ELECTRIC HEAT SEQUENCER
CTD COMPRESSOR TIME DELAY (OPT)

FOR UNITS W/ 5.0 KW HEATER INSTALLED
HEATER CIRCUIT #1

FOR UNITS W/ 10.0 KW HEATER INSTALLED
HEATER CIRCUIT #1

FOR UNITS W/ 15.0 KW HEATER INSTALLED
HEATER CIRCUIT #2

FOR UNITS W/ 20.0 KW HEATER INSTALLED
HEATER CIRCUIT #2 (IDENTICAL)

HIGH PRESSURE SWITCH
CIRCUIT BREAKER
EARTH GROUND
Fig. 2—MA1A018–036 (A) Air Conditioner Connection Diagram with 0 kW Electric Heat
Fig. 3—MA1A018–036 (A) Air Conditioner Connection Diagram with 5 kW Electric Heat
Fig. 4—MA1A018–030 (A) Air Conditioner Connection Diagram with 10 kW Electric Heat
Fig. 5—MA1A036 (A) Air Conditioner Connection Diagram with 10 kW Electric Heat
Fig. 6—MH1A018–036 (A) Heat Pump Schematic Diagram and Electric Heater Wiring Options

230v, 1 Phase, 60 Hertz
Fig. 7—MH1A018, 024 (A) Heat Pump Connection Diagram with 5 kW Electric Heat
Fig. 8—MH1A018–030 (A) Heat Pump Connection Diagram with 10 kW Electric Heat
Fig. 9—MH1A030 (A) Heat Pump Connection Diagram with 15 kW Electric Heat
Fig. 10—MH1A036 (A) Heat Pump Connection Diagram with 10 kW Electric Heat
Fig. 11—MH1A036 (A) Heat Pump Connection Diagram with 15 kW Electric Heat

CIRCUIT BREAKER CHART

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INDOOR FAN MOTOR

OUTDOOR FAN MOTOR

COMPRESSOR

CAPACITOR

DEFROST CONTROL

DEFROST RELAY

POST PURGE RELAY

HIGH-PRESSURE SWITCH

HEATER CONTACTOR #1

HEATER CONTACTOR #2

HEATER #1

HEATER #2

R.V. SOLENOID

TRANSFORMER 24 VAC

230 VAC

HOLD DEF RLY

COM

COM

24 VAC

24 VAC

Fig. 11—MH1A036 (A) Heat Pump Connection Diagram with 15 kW Electric Heat
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- Unit Familiarization
- Installation Overview
- Maintenance
- Operating Sequence

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