PART NO.	MODEL DESCRIPTION
00 00100 01	CALICES AIDA (M. O.A.
98-03139-01	(AUST) NDA/M-94
98-03139-02	(DOM) NDA/M-94A/B
98-03139-03	(JAPAN) NDM93/94

CROSS REFERENCE INDEX INSTALLATION DESCRIPTION KIT NO. DRAWING NO. FUEL TANKS (22" DIAMETER) 98-02201 76-00295-XX LIGHT BAR INSTALLATION INSTRUCTIONS 98-03140 76-00542-00 LED LIGHT BAR INSTALLATION INSTRUCTIONS 98-03246 76-02000-XX

NOTES:

- 1.0 COMPLETE INSTALLATION INCLUDES AND IS NOT LIMITED TO:
 - 1.1 UNIT INSTALLATION
 - 1.2 BATTERY INSTALLATION, INCLUDING DRAIN HOSE
 - 1.3 COMPLETION OF PRE-DELIVERY INSPECTION PER MODEL
 - 1.3.1 UNIT PREP AND INITIAL ADJUSTMENTS
 - 1.3.2 CHECKLIST
 - 1.3.3 UNIT RUN IN PER PDI CHECKLIST
 - 1.3.4 WARRANTY REGISTRATION CARD SUBMITTAL
 - 1.3.5 DATALINK DOWNLOAD VERIFICATION
 - 1.4 DEFROST LINE ROUTING AND CLAMPING
 - 1.5 FUEL LINE CONNECTIONS TO UNIT
- 2.0 THE TRAILER STRUCTURE MUST BE EVALUATED BY THE TRAILER MANUFACTURER TO DETERMINE ITS ABILITY TO WITHSTAND THE LOADS IMPOSED BY THE UNIT OVER ITS SERVICE LIFE. CARRIER TRANSICOLD DOES NOT CONVEY ANY ENDORSEMENT OR WARRANTY FOR THE TRAILER'S STRUCTURAL INTEGRITY.

NDA ULTRA REEFER UNIT (WET, LESS BATTERY): 1610 LBS [730 KGS] NDM ULTRA REEFER UNIT (WET, LESS BATTERY): 1896 LBS [860 KGS] NDA OPTIMA REEFER UNIT (WET, LESS BATTERY): 1400 LBS [635 KGS] BATTERY (TYPICAL): 50 LBS [23 KGS]

- 3.0 UNIT MOUNTING SURFACES OF THE TRAILER THAT CONTACT THE UNIT MOUNTING PADS MUST BE UNI-PLANAR TO WITHIN 0.13[3] TO PREVENT DISTORTION OF THE UNIT AND/OR TRAILER.
- 4.0 TRAILER SURFACES THAT CONTACT THE UNIT MOUNTING GASKET SHOULD NOT PROTRUDE MORE THAN 0.19[5] ABOVE THE PLANE DEFINED BY THE MOUNTING PAD SURFACES TO ENSURE PROPER AIR SEAL.
- 5.0 ALL DIMENSIONS SHOWN ARE IN INCHES, WITH THE METRIC CONVERSIONS IN [MILLIMETERS].

SHEET	REV	W	Т	W	Τ	R
INDEX	SHEET	1	2	3	4	5

TITLE

SUPERSEDES

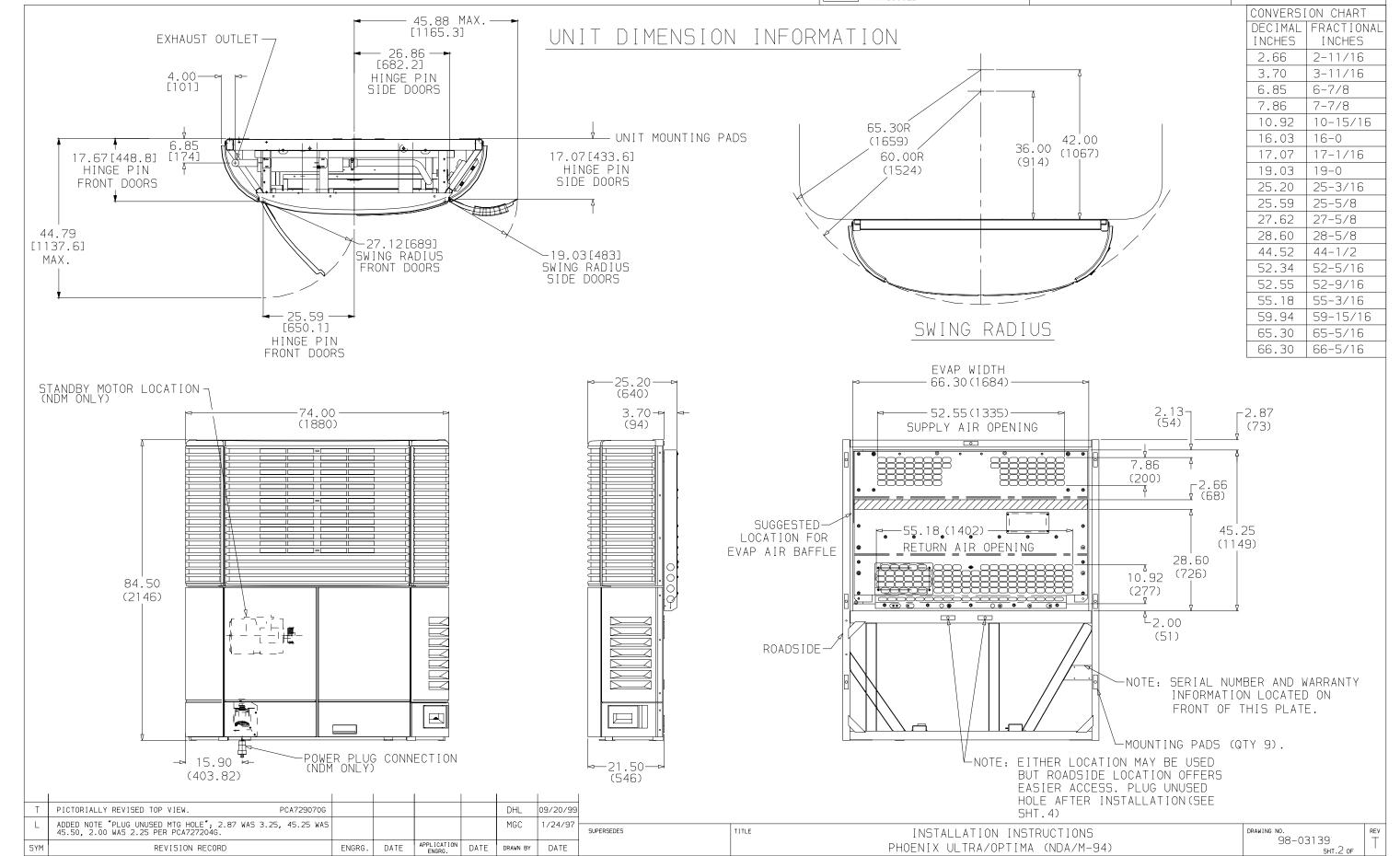
CONTENTS	SHEET
GENERAL INFORMATION	1
SWING RADIUS	2
UNIT DIMENSIONAL DATA	2
TRAILER PREPARATION	3
UNIT LIFTING LOCATION	4
UNIT INSTALLATION	4
BATTERY INSTALLATION	5
STANDBY POWER PLUG INSTALLATION	5

W	ADDED LED LIGHT BAR TO CROSS REF. INDEX AND 72N207GP06 UPDATED LIGHT BAR KIT NO. UPDATED SHEET INDEX. SEE SHEET 3.					ZMG	07FEB06
٧	ADDED "PER MODEL" TO NOTE 1.3. PCA72N217GP00					GMC	6/22/00
U	UPDATED SHEET INDEX; SEE SHEET #3. PCA72N200GP00-37					GMC	4/25/00
Т	UPDATED SHEET INDEX; SEE SHEET #2,4. PCA729070G					DHL	09/20/99
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION FNGRG.	DATE	DRAWN BY	DATE

SEE SEPARATE PARTS LIST

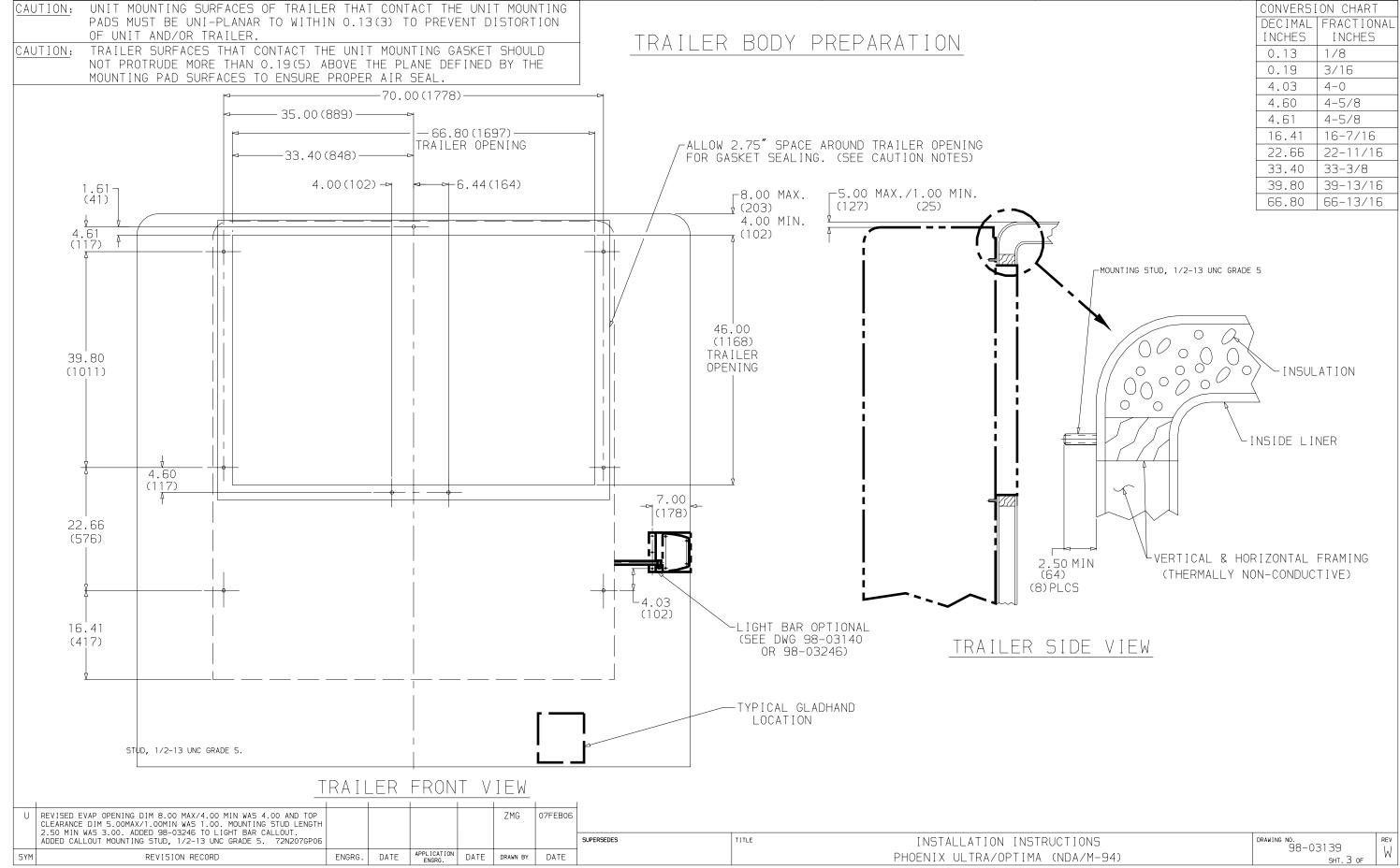
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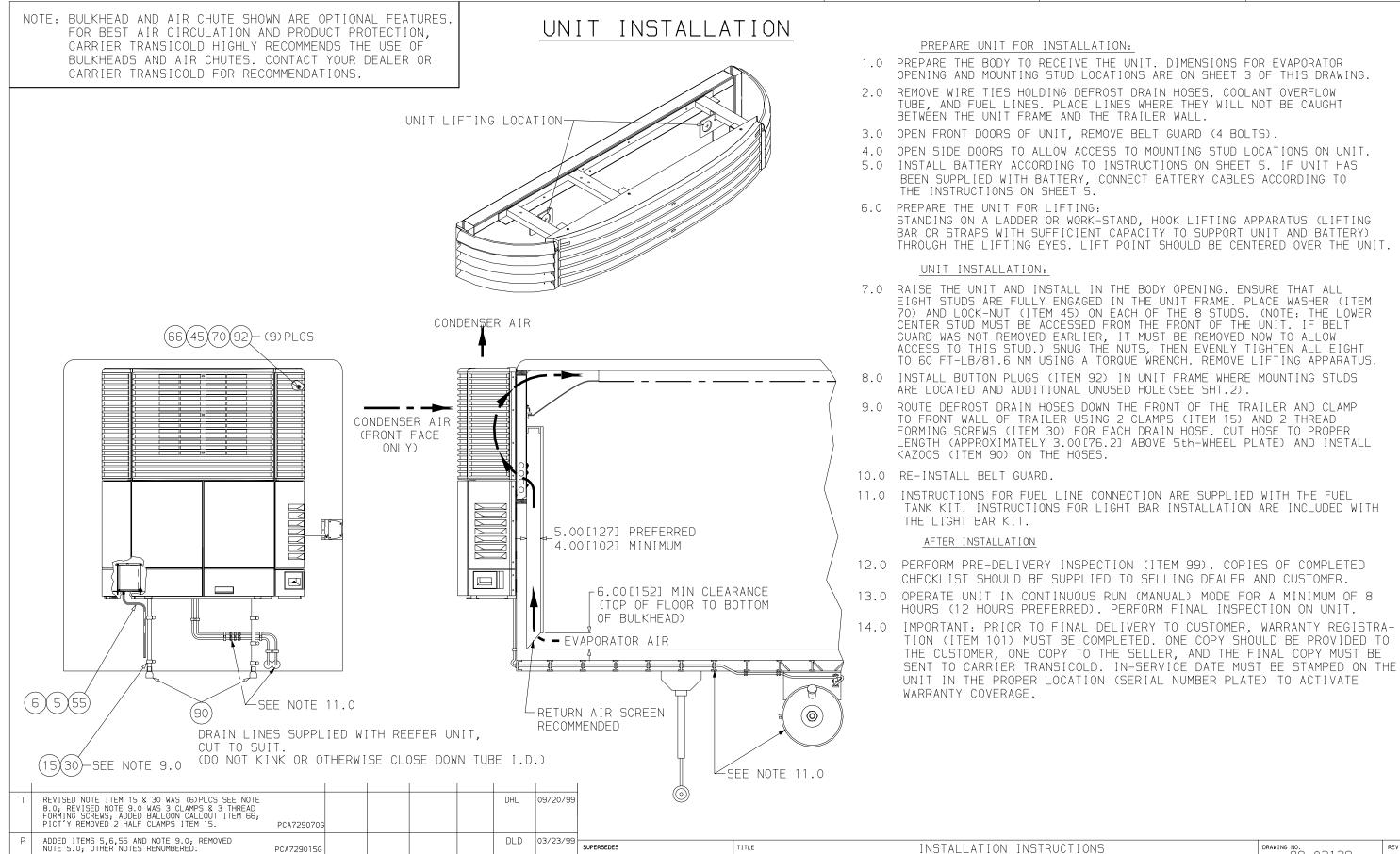


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PHOENIX ULTRA/OPTIMA (NDA/M94)



APPLICATION ENGRG.

DATE

DRAWN BY

DATE

DATE

ENGRG.

REVISION RECORD

DRAWING NO. 98-03139

SHT. 4 0F

UNITS SUPPLIED WITHOUT BATTERY INSTALLED

(R) 1.0 USE THE FOLLOWING INFORMATION TO CORRECTLY SELECT THE BATTERY NEEDED FOR TRAILER UNITS.

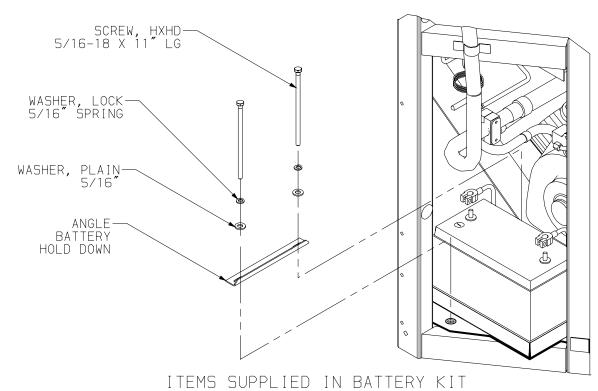
GROUP SIZE:	GROUP 31					
VENT LOCATION:	SIDE VENT					
VOLTS:	12 VOLTS DC					
AMPERAGE:	* MINIMUM 700 COLD CRANKING AMPS @ 0° F * MINIMUM 545 COLD CRANKING AMPS @ -20° F					

NOTE: WHEN SELECTING A SPECIFIC BRAND OF BATTERY, ALWAYS ENSURE THAT THE BATTERY CHOSEN IS RATED AT 0°F (O DEGREES FAHRENHEIT) AND NOT 0°C (O DEGREES CELSIUS). FAILURE TO USE THE PROPER BATTERY SIZE WILL RESULT IN REDUCED BATTERY LIFE AND A NO-START CONDITION.

- 2.0 CUT WIRE TIE HOLDING THESE PARTS IN THE BATTERY TRAY AND REMOVE PARTS. PLACE BATTERY IN TRAY WITH NEGATIVE (-) TERMINAL TO THE REAR OF THE UNIT (AS SHOWN). CONNECT BATTERY CABLES (THE USE OF A CORROSION INHIBITOR ON THE TERMINALS IS RECOMMENDED): RED CABLE TO POSITIVE (+) TERMINAL. BLACK CABLE TO THE NEGATIVE (-) TERMINAL. CABLES SHOULD BE ROUTED TOWARD THE COMPRESSOR (AS SHOWN). TIGHTEN TERMINAL CONNECTORS SECURELY.
- 3.0 INSTALL SCREWS AND HOLD-DOWN ANGLE USING PLAIN AND LOCK WASHERS AS SHOWN. SECURELY TIGHTEN THE SCREWS TO PREVENT MOVEMENT OF THE BATTERY.
- 4.0 POSITION TERMINAL COVERS SUPPLIED WITH CABLES OVER TERMINALS.

UNITS SUPPLIED WITH BATTERY INSTALLED

- 1.0 CUT WIRE TIE(S) THAT HOLD CABLES TO UNIT FRAME.
- 2.0 CONNECT RED BATTERY CABLE TO THE POSITIVE (+) BATTERY TERMINAL; CONNECT BLACK CABLE TO NEGATIVE (-) BATTERY TERMINAL (USE OF CORROSION INHIBITOR IS RECOMMENDED).
- 3.0 POSITION TERMINAL COVERS SUPPLIED WITH CABLES OVER TERMINALS.



(PARTS IN POLY BAG AND/OR ATTACHED TO BATTERY TRAY)

SUPERSEDES

TITLE

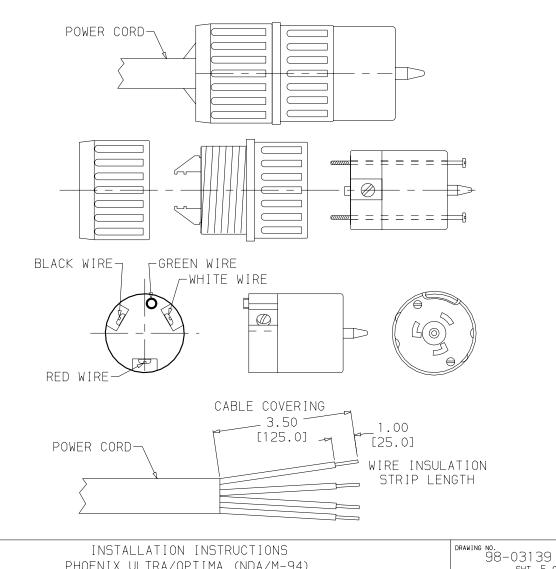
R	ADDED NOTE #1.0 AND ADJUSTED NUMBERS ACCORDINGLY, PCA7290486					DHL	07/07/99
Р	REMOVED DRAIN HOSE DETAILS AND INSTL NOTES; CHGD PCA729015G ITEM NO'S TO COMPONENT DESCRIPTION; SHT 5 WAS 5A.					DLD	02/25/99
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE

STANDBY PLUG INSTALLATION (JAPAN ONLY)

VOLTAGE	Hz	PHASE	FULL LOAD AMP	LOCKED ROTOR AMP	POWER SUPPLY C.B. AMPS
200	50/60	3	45.5	305	70

MAKE CONNECTIONS TO PLUG AS SHOWN.

- 1. STRIP POWER CORD INSULATION BACK 3 1/2 INCHES.
- 2. CUT AWAY ANY PROTECTIVE PACKING FROM WIRES.
- 3. STRIP INSULATION OF WIRES BACK APPROXIMATELY 1 INCH.
- 4. INSERT WIRE ENDS INTO THE PLUG AS SHOWN IN DRAWING. IT IS IMPORTANT THAT THE GREEN WIRE IS CONNECTED TO THE SAFETY GROUND CONNECTION (MARKED GREEN) ON THE SIDE OF THE PLUG.
- 5. TIGHTEN CONNECTORS SECURELY AND ASSEMBLE THE PLUG.
- 6. WHEN TESTING THE OPERATION OF THE UNIT IN STANDBY MODE. ENSURE THAT THE ROTATION OF THE STANBY MOTOR IS CORRECT. IF THE ROTATION IS NOT CORRECT, REVERSE THE CONNECTION OF ANY TWO OF THE THREE PHASE WIRES. "DO NOT REVERSE ANY WIRE WITH THE GREEN SAFETY GROUND."



PHOENIX ULTRA/OPTIMA (NDA/M-94)

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