

Product Information Packet

Model LHP-800FFHC

Solid State Liquid Cooled Air Conditioner Heat/Cool
without Temperature Control

Part #2-5099-1-000

Thank you for your purchase. Information has been enclosed regarding the installation, specifications, and wiring of your solid-state assembly. Please read and follow all instructions carefully before installation. Only qualified technicians should install this equipment.

If you have any questions regarding your equipment, please do not hesitate to call us at 773-342-4900, and we will be happy to assist you. We are open from 8:30 am-5:00 pm Central Time.

Included in this packet you will find:

Product Literature and Specifications

Assembly Drawing #LHP800-B-A18

Wiring Drawing #LHP300-B-E5

Installation Drawing #LHP800-B-F10

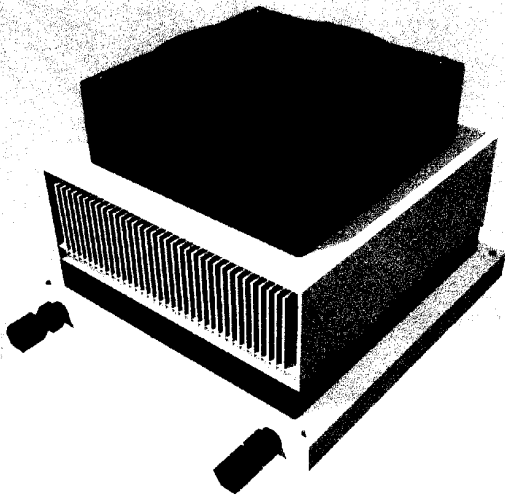
Warranty Information

The logo for teca, featuring the word "teca" in a bold, lowercase, sans-serif font, with a registered trademark symbol (®) to the upper right of the "a".

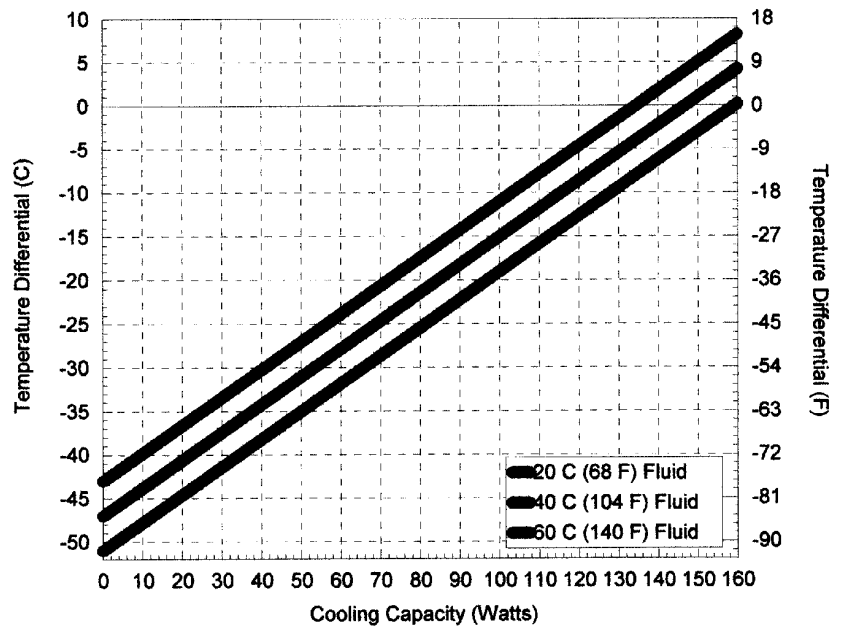
ThermoElectric Cooling America Corporation • 4048 W. Schubert Ave. • Chicago IL (USA) 60639
Phone: 773-342-4900 Fax: 773-342-0191 • www.thermoelectric.com • teca@thermoelectric.com

LHP-800FF

500-700 Btu/Hr
Liquid Cooled, Nema-12



Performance:

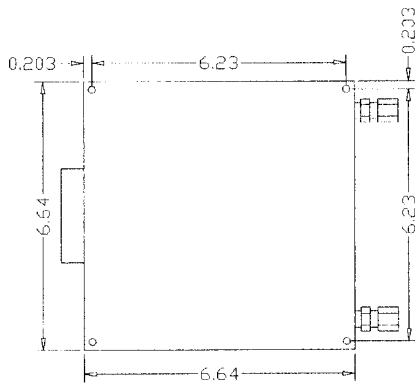


Specifications

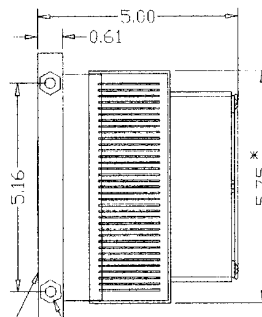
Fluid Temp.	20°C	40°C	60°C
Enclosure Air	$y = .32x - 43$	$y = .32x - 47$	$y = .32x - 51$
Cold Sink	$y = .19x - 43$	$y = .19x - 47$	$y = .19x - 51$

$y = \Delta T (^{\circ}\text{C})$ $x = \text{Capacity (Watts)}$

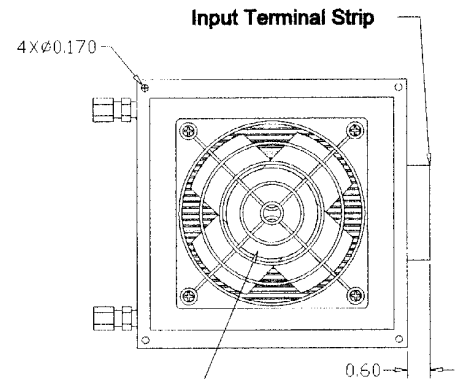
Model	Part Number	Notes	Performance Rating (BTU/hr)	Voltage (VDC)	Current (Amps)	Fan Voltage (VAC)	Weight Lbs. (Kg)	Minimum Flow (GPM)	Operating Range ($^{\circ}\text{C}$)
LHP-800FF	2-5099-0-000	Cool only, no temperature control	460-540	30	10	120	6(2.7)	0.3	0/+70
LHP-800FFHC	2-5099-1-000	Heat/Cool, no temperature control, 120 VAC Heat	460-540	30	10	120	6(2.7)	0.3	0/+70
LHP-810FF	2-509A-0-000	Cool only, no temperature control	460-540	120	3.5	120	6(2.7)	0.3	0/+70



Mounting Surface



Liquid Fittings



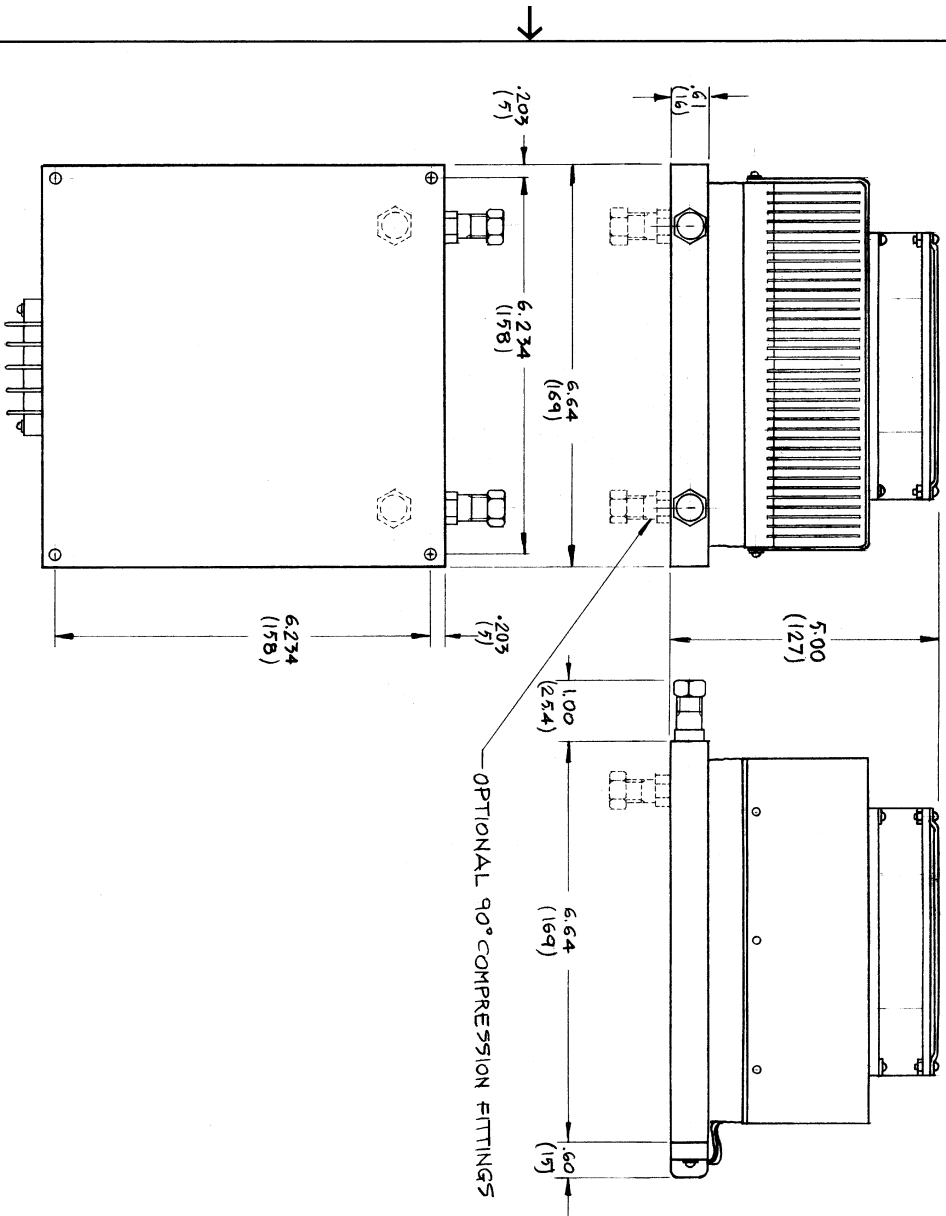
Dimensions are in inches

teca

Call us toll free at 888-TECA-USA (832-2872)

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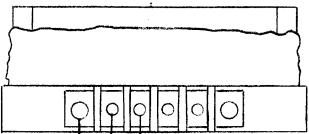
LTR	DESCRIPTION	DATE	APPROVED



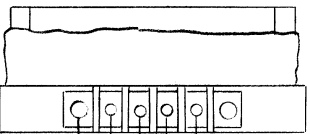
NOTE : DIMENSIONS : INCHES
(MILLIMETERS)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± .015 ± MATERIAL .XXX ± .005 FINISH		leca ThermoElectric Cooling America Corp.	
APPROVALS DRAWN IN 05/21/90 CHECKED		SIZE B SCALE 1/2	
LHP 800 FF ASSEMBLY		DRAWING NO. LHP 800-B-A18	
DO466		SHEET OF	

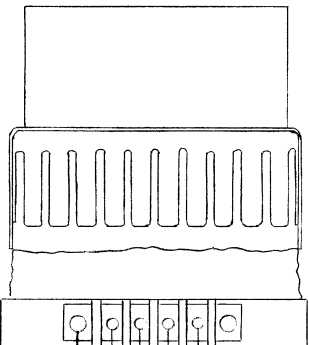
APPLICATION		REVISION		
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE
		A	CHGD WIRE COLOR	07.30.90
				1.1



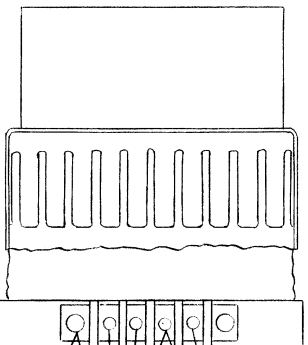
LHP-300CP
LHP-800CP



LHP-300CPHC
LHP-800CPHC



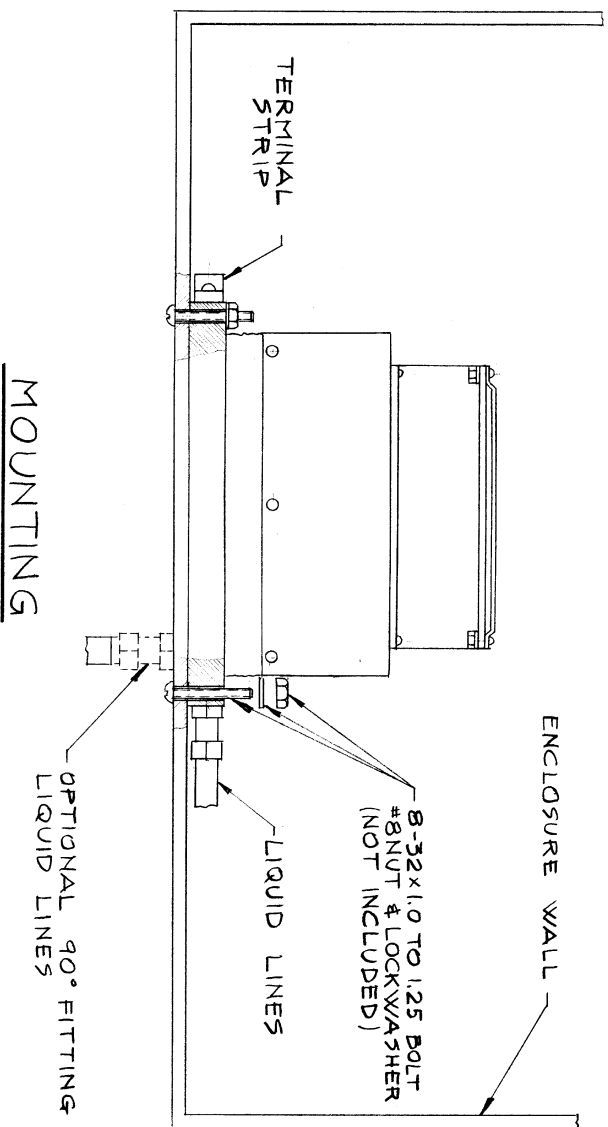
LHP-300FF
LHP-800FF



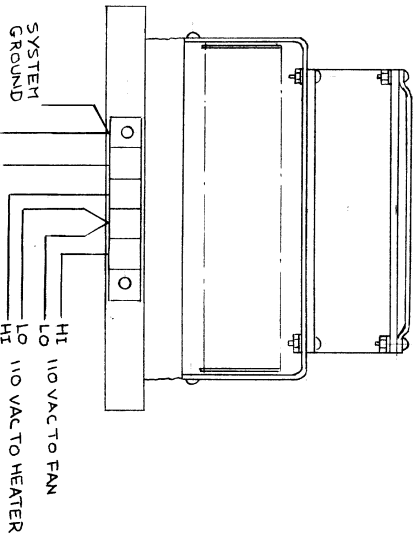
LHP-300FFHC
LHP-800FFHC

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES \pm \pm \pm		CONTRACT NO. APPROVALS DATE 12/4/85		BORG WARNER ThermoElectrics	
MATERIAL XXX \pm		DRAWN ARS		TERMINAL WIRING FOR ALL VERSIONS OF LHP-300 AND LHP-800	
FINISH		CHECKED		DRAWING NO. LHP-300-B-ES	
DO NOT SCALE DRAWING		SCALE		10164 SHEET OF	

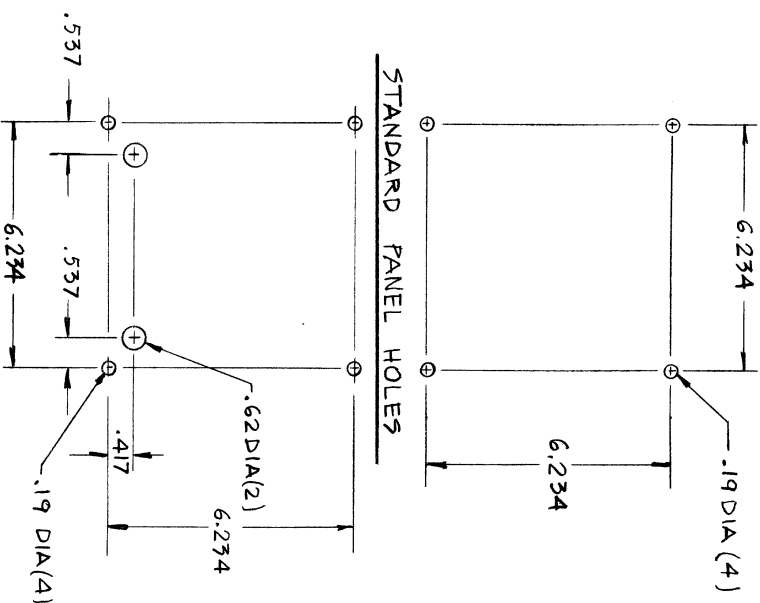
LTR	DESCRIPTION	DATE	APPROVED
A	COLLECTED WIRING PER LHP300-B-E5	11-02-95	ALA



MOUNTING



WIRING



PANEL HOLES WITH OPTIONAL 90° FITTING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES XX ± .015 XXX ± .005			
leca ThermoElectric Cooling America Corp.			
FIELD MOUNTING LHP 800 FF HC			
APPROVALS	DATE	SIZE	DRAWING NO.
DRAWN L.N.	11.30.89	B	LHP 800-B-F10
CHECKED		SCALE N.T.S.	DO 494 SHEET OF

LIMITED WARRANTY

In the event a defect in material or workmanship is discovered in any of TECA's products within one year after the date they are delivered to Buyer, and if: (a) TECA is notified of the defect in writing by certified mail within 14 days of the date of discovery; (b) TECA may then either, at its sole discretion, inspect the product at Buyer's location, or require that the product be made available at Buyer's expense at TECA's premises for TECA's inspection within 14 days of the date of notification; and (c) the products are defective and the defects result from faulty materials and/or workmanship and not in any way from accident, misuse, misapplication, mishandling, modification, or alteration by the Buyer or the shipper, then TECA shall, at its sole option, repair or exchange defective products free of charge to Buyer, or credit to buyer the price of the defective products. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE EXCLUDED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL TECA BE LIABLE FOR ANY CLAIM BASED UPON BREACH OF EXPRESS OR IMPLIED WARRANTY OR ANY OTHER DAMAGES WHETHER SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL, LOST PROFITS, BUSINESS INTERRUPTION, OR LOSS OF BUSINESS OR CUSTOMER RELATIONSHIPS.

RETURNED GOODS, RESTOCKING CHARGES

In order to return merchandise for any reason (repair, replacement, or credit) a return authorization number must be issued by TECA. New merchandise may not be returned for credit beyond 60 days from shipment. Charges for incidental or other damages may also be made. All returned goods must be sent freight prepaid. A restocking charge of 15% will apply. On special equipment and custom modified equipment orders, additional incremental cancellation charges may be made.