

1. Approving Civil Aviation Authority/Country: **2.** **3.** Form Tracking Number: **31752482**

FAA/United States **AUTHORIZED RELEASE CERTIFICATE**  
 FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

4. Organization Name and Address: **B/E Aerospace 3355 East LaPalma Ave., Anaheim, CA 92806 (B98R479N)**

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Condition/Remarks:	12. Remarks:
1	AIR CHILLER 4000 BTU/HR	374-9	1	1677	Repair	

This repair order: **9779016** Describes actual repair work in detail. All work **LAW CMM: 25-30-48** Date: **12/12/2011** Rev: **3**

"Certifies that the work specified in block 11/12 was carried out in accordance with EASA Part 145 and in respect to that work the component is considered ready for release to service under EASA Part 145 Approval Number: EASA.145.4231"

Service Bulletins Incorporated: **LAW CMM**

13a. Certifies the items identified above were manufactured in accordance with: <input type="checkbox"/> Approved design data and methods contained in Block 12 for manufacture. <input type="checkbox"/> Non-approved design data, methods or materials for manufacture.	13b. Authorized Signature: <i>[Signature]</i>	13c. Approval/Authorization No.: <b>N/A</b>	14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	14b. Authorized Signature: <i>[Signature]</i>	14c. Approval/Certificate No.: <b>B98R479N</b>
13d. Name (Type or Part No.): <b>N/A</b>	13e. Date (dd/mm/yyyy): <b>N/A</b>	14d. Name (Type or Part No.): <i>[Signature]</i>	14e. Date (dd/mm/yyyy): <b>10/31/2018</b>	<b>User/Installer Responsibilities</b>	

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

**REPAIR FINDINGS ANALYSIS / TEARDOWN REPORT**

FAA Repair Station#: B98R479N	Date: 07/11/2018
Company Name: B/E Aerospace	Customer Name: BURWOOD AVIATION SUPPLIES
FSC#: 60799	Address1: ATTN: DARON GOLDING
Address1: 3325 East LaPalma Ave.	Address2: BURWOOD HOUSE
Address2:	City St Zip: CHOBHAM,SURREY BH31 6AZ GB
City St Zip: Anaheim, CA 92806	Contact:
Phone: 714-688-4200	Phone:
Fax: 714-688-4154	Fax:

Information from Purchase Order		
Repair Order#: 109933	Part# from PO: 374-9	Serial# from PO: 1677
		Customer Serial# on Order:
Purchase Order Reason: NO REASON GIVEN. REPAIR ACC TO LATEST *** SEE APPROVED ESTIMATE *** CARLA 4165		

Information for Part Received			
Repair ID#: 75777	Work Order#: 8779016	Mfr. p/n Recvd: 374-9	Mfr. Serial# Recvd: 1677
Date Recvd: 06/18/2018	Description: AIR CHILLER 4000 BTU/HR		
Compressor p/n Recvd: 581-11	Compressor Serial# Recvd: 236	Fan p/n Recvd: 2300-20	Fan Serial# Recvd: 30498
PC Board #1 p/n Recvd: 6954-3	PC Board #1 Serial# Recvd: 24025	PC Board #2 p/n Recvd: 6949-5	PC Board #2 Serial# Recvd: 64839

Initial Inspection Findings: N/A 14X29X26 W92

Initial Testing Findings:

PMA LABEL: PMA, Present Qty 1;

UNIT APPEARANCE: Unit Dirty;

Repair Administration Comments: Analyze Comments: As received, the unit was dirty. Checked power receptacles for short or ground found ok. Powered up, unit ran and produced cold air. Sight glass had cleared. The operation light working fine. Verified four power connector and polarity. Removed the covers from both side and perform internal inspection and noticed orange seal applied some area see pictures. Internal was slight dirty. Wirings were inspected to be OK and no loose connection. All temperature sensors measured in range. The unit ran ok during the functional test at analyze station up to continue performance evaluation. Steven.N 06/18/18. Verified unit on the test stand with heat load and ambient applied, the return was observed at 48°F, suction was 20 psi. Suspected compressor is not performing up the minimum standard. Compressor is performance poorly. Proceed and repair per test Tech provided finding.

Warranty: <input type="radio"/> Accepted <input type="radio"/> Denied <input type="radio"/> Partial	Reason:
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**Information for Part Shipped Back**

Sales Order#: 31752482	Mfr. p/n Out: 374-9	Mfr. Serial# Out: 1677
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Teardown and Inspection details:

**Unit**

PMA LABEL: PMA, Present Qty 1;  
 UNIT APPEARANCE: Unit Dirty;  
 AIR FILTER : Air Filter, Dirty;  
 COMPRESSOR: Poor Performance; Sent For Evaluation;  
 CONDENSER: Fins Smashed;  
 REFRIGERANT CIRCUIT: Flush;  
 EVAPORATOR: Fins Smashed;  
 ELECTRICAL: Elect. Conn. Failed; Evaporator Thermistor (Blue), Failed; Evaporator Thermistor (Yellow), Failed;  
 CONDENSER BLOWER WHEEL: Blower Wheel, Dirty;  
 EVAPORATOR BLOWER WHEEL: Blower Wheel, Dirty;  
 CONDENSER SCROLL OR BI-DUCT: Bi duct dirty

**Compressor**

OIL: 4 Ounces; Amber;  
 PUMP: Parts Worn Or Scored; Pump, Failed;  
 HARNESS: Thermistor, Failed;

**Refrigerant**

REFRIGERANT CIRCUIT: Flush; R134A

**Pump**

CMM Ref. 1: 25-30-48 Rev Date: 12/12/2011 Rev: 3

Corrective Actions:

**Unit**

PMA LABEL:  
 Remarks: One PMA label is on the unit.  
 UNIT APPEARANCE: Cleaned Unit;  
 AIR FILTER : Air Filter, Replaced ;  
 COMPRESSOR: Installed Compressor;

CONDENSER: Straightened Fins;  
 REFRIGERANT CIRCUIT: Flushed;  
 EVAPORATOR: Straightened Fins;  
 ELECTRICAL: Elec Conn, Replaced ; Thermistor(s), Replaced ;  
 CONDENSER BLOWER WHEEL: Blower Wheel, Cleaned;  
 EVAPORATOR BLOWER WHEEL: Blower Wheel, Cleaned;  
 CONDENSER SCROLL OR BI-DUCT:  
 Remarks: Clean bi duct

### Compressor

OIL: Changed new oil;  
 PUMP: Pump, Replaced;  
 HARNESS: Thermistor, Replaced;

### Refrigerant

REFRIGERANT CIRCUIT: Flushed;  
 Remarks: R134A

### Pump

Purchase Order Instructions complied with:

Inspected  Repaired  Modified  Overhauled

### Replacement Parts/Services for Part Shipped Back

Type	Item	Description	Qty/Hrs	UPR/Rate
LABOR	510	REPAIR - ORDER RELEASE	0.00	\$0.00
LABOR	530	REPAIR - TEST TECH ANALYZE	0.00	\$0.00
LABOR	550	REPAIR - TECH TEARDOWN	0.00	\$0.00
LABOR	570	REPAIR - COMPRESSOR TECH	0.00	\$0.00
LABOR	574	FLUSHING TECH	0.00	\$0.00
LABOR	590	REPAIR - TECH REPAIR	0.00	\$0.00
LABOR	600	REPAIR - TEST TECH ATP	0.00	\$0.00
LABOR	630	REPAIR - INSPECTION	0.00	\$0.00
MATL	2101-32	PUMP ASSEMBLY 32 SERIES	1.00	\$0.00
MATL	2548-14	SCREW CRES 10-32X3/4 POLY LOK	3.00	\$0.00
MATL	2550-3	WASHER CRUSH	3.00	\$0.00

MATL	3124-1	GROMMET	1.00	\$0.00
MATL	4135-1	AIR FILTER	1.00	\$0.00
MATL	4815-1	SPIRAL CUT WRAP.25 O.D. 5.5 lg	1.00	\$0.00
MATL	581-11-0P2	COMPRESSOR SERVICE KIT	1.00	\$0.00
MATL	6560-1	SCREW,STATOR RETAINER	1.00	\$0.00
MATL	X10180	ORIFICE #1; DANFOSS# 68-2010	1.00	\$0.00
MATL	X13810	FILTER DRYER EK032	1.00	\$0.00
MATL	X15740	THERMISTOR STX0092	1.00	\$0.00
MATL	X17750	THERMISTOR STX0093 20AWG Wht/y	1.00	\$0.00
MATL	X17450	CONN. MS24266R16B10PN (X24010)	1.00	\$0.00
MATL	X30710	STD CONSUMABLES/ENV SRVC CHRG	1.00	\$0.00
MATL	X31280	MAJOR REPAIR FEE	1.00	\$9,731.00
MATL	X32310	THERMISTOR STX0131	1.00	\$0.00
Material Price: \$9,731.00		Labor Price: \$0.00	Total Price: \$9,731.00	

Aviation  
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