

AIRCRAFT DESCRIPTION

Registration No. N1414K

Model: PA-28R-200 Popular Name: Cherokee Arrow

Serial No.: 28R-7535275 Type Certificate No.: 2A13

Colors: SEE WEIGHT AND BALANCE

Engine Manufacturer: Lycoming Propeller Manufacturer: HARTZELL

Original Engine Model: I0-360-C1C Original Propeller Model: H0-C24K-1

Serial Numbers: Single L-14199-51A Hub or Serial Number: Single CH 10183
~~PH 15248~~

Left _____

Left _____

Right _____

Right _____

Call Blue Bay Aviation Luis Armas 786.648.6187

Blade Numbers

Left

Right

C 83816

C 84623

AD, 77-12-06 *clw* RHC



Carver Aero LLC
DBA Revv Aviation
CRS#VRXR118L

airs and Alterati
Certificate Number
or other specific entries

Date	Tail #	Model	S/N	WO#	209794
				Tach Time	Total Time
1-May-25	N563CA	PA28R-200	28-7535275	2147.6	14483.8

- 1 C/W a100hr inspection. Next 100hr due: 14583.7
- 2 C/W plane power 100hr alternator ICA.
- 3 C/W AD 15-19-07 Fuel Injection Lines inspection. Next due: 14593.8 total time.
- 4 C/W AD 2024-21-02 IAW 14 CFR 43.9(a) and 91.417(a)(2)(v).
Inspected oil filter and found now evidence of bronze material. Next due : Next oil change.
- 5 Installed new mounting bolt on shimmy dampener.
- 6 Replaced RH fuel sump drain valve.
- 7 Replaced compass card holder.

[Call Blue Bay Aviation Luis Armas 786.648.6187](tel:786.648.6187)

I certify this airframe has been inspected IAW an approved standard 100hr inspection checklist and is found to be in airworthy condition.

Reis Rotert Signed: 
Carver Aero LLC DBA Revv Aviation CRS# VRXR118L

8/1/25	Tech:	2225.2	C/w 91.207(d) ELT inspection, no issues noted
			C/w Garmin GTX 330/33 12-month ICA, no issues noted.
			Carver Aero WO# 209875 for CRS# VRXR118L

YEAR

20

DATE



CARVER AERO, LLC DBA REVV AVIATION
Municipal Airport
Davenport, IA 52806

FAA Approved Repair Station No. VRXR118L

Date: 2/22/2025

Tach: 2113.4

N 563CA

S/N: 28R-7535275

Model: PA-28R-200

Installed new Gill G-35 battery S/N: G0322584. Activated 2-21-2025

Carver Aero, Inc Work Order #:

209737

John Klopp

Signed:

FAA Approved Repair Station No. VRXR118L

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CARVER AERO, LLC DBA REVV AVIATION
Municipal Airport
Davenport, IA 52806

FAA Approved Repair Station No. VRXR118L

Date: 14-Apr-25

N563CA

Tach:

2140.7

- 1 Replaced electronic fuel pump P/N: 8850-5. Runup up and leak check ok.
- 2 Replaced electrical connector for landing light.

Carver Aero, Inc Work Order # 209784

Reis Rotert

Signed:

FAA Approved Repair Station No. VRXR118L

Call Blue Bay Aviation Luis Armas 786.648.6187

rev

CARVER AERO, LLC DBA REV AVIATION

Municipal Airport
Davenport, IA 52806

AVIATION

FAA Approved Repair Station No. VRXR118L

12/12/2024 N563CA

Tach: 2088.6

IFR CHECKS

w/o# 601734

I certify this altimeter, encoder and static system test required by 14 CFR part 91.411 have been performed and found to comply with 14 CFR part 43 appendix E.

The altimeters were tested to 20,000ft on this date 12/12/2024

Altimeter Model 5934P-1 s/n L4943
Encoder ACK A-30 s/n 162160

Signature *Bradley Biorn* Bradley Biorn
Repair Station VRXR118L
Revv Aviation.
Davenport Iowa

I certify that the transponder test required by 91.413 have been performed and found to comply with 14 CFR part 43 appendix F
Transponder tested on
Transponder Model

s/n

12/12/2024
GTX 330ES
84126718

Signature *Bradley Biorn* Bradley Biorn
Repair Station VRXR118L
Revv Aviation.
Davenport Iowa

Call Blue Bay Aviation Luis Armas 786.648.6187

12-23-24	TACH 2095.9	Replace nose tire with new. Cleaned and inspected wheel assy. and bearings. Repacked bearings. Balanced wheel. Carver Aero W.O. 209695 Navar War CRS* VRXR118L
12-26-24	TACH 2095.9	Replaced pilot's seat belt w/ new P/N 3133-3-291-2396. Carver Aero W.O. 209695 Call Blue Bay CRS* VRXR118L

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8/6/2024	TACH: 196	4.5		Replaced left fuel tank placard with new. P/N 683-016. <i>Ed Brubaker</i> CRS# VRXR118L Carver Aero WO# 209539



Carver Aero LLC
DBA Revv Aviation
CRS#VRXR118L

WO# 209635

Date	Tail #	Model	S/N	Tach Time	Total Time
22-Oct-24	N563CA	PA28R-200	28-7535275	2047.5	14383.7

- 1 C/W an annual inspection.
- 2 C/W plane power 100hr alternator ICA.
- 3 C/W AD 15-19-07 Fuel Injection Lines inspection. Next due: 14493.7 total time.
- 4 C/W AD 84-26-02 Paper induction filter replacement. Next due: 14883.7 total time.
- 5 Replaced 2 instrument panel back lighting bulbs.
- 6 Cleaned and reinstalled fuel sump screen.
- 7 Lubed trim cable drum and set cable tensions for horizontal trim.
- 8 Serviced both main struts w/ hydraulic fluid and nitrogen.

Researched and C/W applicable AD's thru 22Oct24.

I certify this airframe has been inspected IAW an approved standard annual inspection checklist and is found to be in airworthy condition.

Reis Rotert Signed: *[Signature]*

Carver Aero LLC DBA Revv Aviation CRS# VRXR118L



Carver Aero LLC
DBA Revv Aviation
CRS#VRXR118L

Date	Tail #	Model	S/N	WO#	Tach Time	Total Time
18-Jul-24	N563CA	PA28R-200	28R-7535275	209506	1948.1	14284.3

- 1 C/W a 100hr inspection.
- 2 C/W AD 15-19-07 Lycoming fuel injection lines. Next due: 2058.1 Tach
- 3 C/W FAR 91/207 (d) EIT inspection. Next due: Jul 2025
- 4 C/W Plane Power Alt 100hr ICA. Next Due:2048.1
- 5 Serviced brake reservoir.
- 6 Serviced L/G power pack.
- 7 Readhered main cabin door seal.
- 8 Replaced hobbs oil pressure switch w/ new.
- 9 Installed cabin door hinge pin assy.
- 10 Replaced L/H main tire and innertube & repacked bearings.
- 11 Replaced R/H main tire & repacked bearings.
- 12 Researched and C/W applicable AD's.
- 13 Replaced top aft door latch pin and adjusted.
- 14 Replaced fitting on pilot's R/H master cylinder & bled brakes.

I certify this airframe has been inspected IAW a standard 100hr inspection checklist and found to be in airworthy condition.

Reis Rotert Signed:

Carver Aero LLC DBA Revv Aviation CRS# VRXR118L



CARVER AERO, LLC DBA REVV AVIATION
 Municipal Airport
 Davenport, IA 52806
 FAA Approved Repair Station No. VRXR118L

Date: 10/19/2023
 Tach: 1794.7

N 563CA
 ACTT: 14130.9

S/N: 28R-7535275
 Model: PA-28R-200

Replaced LH and RH brake linings with new. P/N: 66-105. Ops check good.

Carver Aero, Inc Work Order #:

209292

Matt VanLandschoot

Signed:

FAA Approved Repair Station No. VRXR118L



CARVER AERO, LLC DBA REVV AVIATION
 Municipal Airport
 Davenport, IA 52806
 FAA Approved Repair Station No. VRXR118L

Date: 11/17/2023
 Tach: 1815

N 563CA
 ACTT: 14151.2

S/N: 28R-7565275
 Model: PA-28R-200

Removed heading indicator P/N: 1U262-003-14 S/N: 89440. Installed Midcontinent overhauled
 P/N: 1U262-003-14 S/N: T71293Q. Replaced filter P/N: RA-D9-18-1 and filter P/N: B3-5-1. No W&B change.

Carver Aero, Inc Work Order #:

209309

I certify that the above stated maintenance and/or inspection was performed IAW the current federal aviation regulation

Matt VanLandschoot

Signed:

FAA Approved Repair Station No. VRXR118L

20
DATE TACH TIME FLIGHT TIME IN SERVICE

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



CARVER AERO, LLC DBA REVV AVIATION
Municipal Airport
Davenport, IA 52806
FAA Approved Repair Station No. VRXR118L

Date: 4/19/2023
Tach: 1646.8

N 563CA
Total: 13983

S/N: 28R-7535275

- 1 C/W FAR 91.207 (d) ELT inspection.
- 2 Replaced L/G switch w/ new.
- 3 Replaced L/G power pack w/ overhauled P/N: HYC5005 S/N: 2228931.
- 4 Reinstalled throttle quadrant in correct position.
- 5 Replaced FWD muffler w/ new.
- 6 Replaced #2 cylinder exhaust stack with new.
- 7 Replaced both main gear seals w/ new and serviced w/ hydraulic fluid and nitrogen.
- 8 Replaced seal in R/H brake caliper.
- 9 C/W plane power alt 100 hr ICA.
Researched and C/W AD's

Carver Aero, Inc Work Order #: 209113

Reis Rotert

Signed:

CRS#VRXR118L

7/24/23	1732.2	C/W	Garmin GTX 330/33	12 month	ICA	
		Carver Aero	wo# 209207	Must / Check	CRS#VRXR118L	


1. Approving Civil Aviation Authority/Country: FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 22-1358
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4. Organization Name and Address: COX AIRPARTS, LLC 3707 W 30th STREET SOUTH WICHITA, KANSAS 67217		5. Work Order/Contract/ Invoice Number: 22-1358
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6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	POWER PACK	HYC5005	1	2228931	OVERHAULED

12. Remarks:
UNIT WAS OVERHAULED AND FUNCTIONAL TESTED IAW AIRCRAFT MANUAL OE-A1 (02/02/1982), OHI MANUAL PP-322 (02/02/1982) & PIPER PA-28 SERVICE MANUAL 753-586 (REV. PR191130) (11/30/2019). NO DEFECTS WERE NOTED. -----

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 CERTIFICATE NO. EASA.145.6964

13a. Certifies the items identified above were manufactured in conformity to: Approved design data and are in a condition for safe operation. Non-approved design data specified in Block 12.		14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" 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.	
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature: 	14c. Approval/Certificate No.: 7CXR376B
13d. Name (Typed or Printed):	13e. Date (dd/mm/yy):	14d. Name (Typed or Printed): BRYAN A COX	14e. Date (dd/mm/yy): 16/FEB/2023

User/Installer Responsibilities

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.

YEAR 20 _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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8-3-17 Tach 238.7 TT 12,625.6 - Annual Inspection
 Reinstalled Engine IO-360-CIC S/N L-12564-51A after
 overhaul by Popular Grove Airmotive. Inspected aircraft
 I/A/w Annual Inspection Ck List, Rebuilt RT MLG
 Aviator using Kit 199-538A. I/A/w Kit Instructions
 Replaced Seals in Nose gear strut and Serviced
 Retraction Test good C/w FAR 91.207d Annual Requirement
 Balanced Nose wheel Assy. C/w Plane Power 100 & 1000 hr
 ICA. C/w Garmin 400hr ICA. Performed Operational
 Checks and Flight Test.

Tach 238.7 hrs. Total time 12625.6 hrs
 I certify this Aircraft has been inspected
 in accordance with a Annual inspection and
 was determined to be in airworthy condition. Details
 are on file. Work order No. 207736 Date 8-3-17
 Signed [Signature] Shop Inspector
 CARVER AERO, INC.
 Municipal Airport
 Davenport, IA 52804
 FAA Approved Repair Station No. VRXR118L

Date	Propeller TSN TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
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2-19-14			Tach 2118.75 Prop TT 1801.25 Removed This Propeller
			From Aircraft N563CA PA28R-200 for overhaul.
			Carter Aero wo# 206712 Mat / Var for CRS#URX0118L

Propeller S/N DY7063B **TSN** 1801.25 **TSO** 0.0

This propeller has been serviced as per the 8130-3 tag dated
3/4/2014 under Work Order 112908

Aircraft Propeller Service, LLC.
 Wheeling, Illinois

CRS EY2R811K

EASA.145.5126

1. Approving Civil Aviation Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 522341	
4. Organization Name and Address: AIRCRAFT PROPELLER SERVICE, LLC 290 LARKIN DRIVE WHEELING, IL 60090 EY2R811K				5. Work Order/Contract/Invoice Number: 112908 / 552817 w/attached pages 1 thru 1 Dated: 03/04/2014	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	HARTZELL PROPELLER ASSEMBLY	HC-C3YR-1RF/F7282	1.00	DY7063B	OVERHAULED

12. Remarks:

OVERHAULED per: 113B R: 40 (8/1/2012), 126, 133C R: 30 (4/1/2013), 202A R: 46 (8/1/2013), 159 R: 38 (12/1/2013)

COMPLIED WITH:

AD: NONE

S/B: SEE MANUAL 126

S/L: SEE MANUAL 126

OTHER: WAPA 001

	SERIAL #	TSN	TSO/TSMI
ASSEMBLY:	DY7063B	1801.25	0.0
HUB:	DY7063B	1801.25	0.0
BLADE 1:	K49575	1801.25	0.0
BLADE 2:	K49578	1801.25	0.0
BLADE 3:	K49579	1801.25	0.0

The next action required on this component is within 2,400 HOURS OR 72 MONTHS PER SL 61-61 Y R4.

Full detail of the work specified in Block 11 is on file within this agency.

Certifies that the work specified in Blocks 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 E126."

13a. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in a condition for safe operation.

Non-approved design data specified in Block 12

14a 14 CFR 43.9 Return to Service 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.

13b. Authorized Signature:

13c. Approval/Authorization No.:

14b. Authorized Signature:

14c. Approval/Certificate No.:

EY2R811K

13d. Name (Typed or Printed):

13e. Date (dd/MMM/yyyy):

14d. Name (Typed or Printed):

14e. Date (dd/MMM/yyyy):

04/MAR/2014

SEAN P. O'KEEFE, Inspector

04/MAR/2014

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. 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 parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statement 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.

FAA Form 8130-3 (02-14)

* Installer must cross check eligibility with applicable technical data

NSN:0052-00-012-9005

Paperwork Reduction Act Statement:

An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number associated with this collection of information is 2120-0018. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW, Washington, DC 20591, Attn: Information Collection Clearance Officer, ABA-20

DATE 19 _____	TOTAL TIME IN SERVICE	Reference of Major Repairs and Major Alterations To FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency
3-6-2014	TACH 2118.7 TOTAL 12118.7	REINSTALLED, AFTER OVERHAUL, HARTZELL PROPELLER HC-C3YR-1RF/F7282 S/N DY7063B - SEE 8130-1 FROM AIRCRAFT PROPELLER SERVICE INC. IN PROP LOG BOOK, W/D # 206712 CARVER AERO INC, RSA# VRXR118L <i>David E. Mill</i>
3-24-2014	TACH 2122.0 TOTAL 12122.0	RESEACED BOTH MAIN STRUTS AND SERVICED WITH HYD. OIL AND NITROGEN W/D # 206745 CARVER AERO INC. RSA# VRXR118L <i>David E. Mill</i>
4-1-2014	Tach 2122.25 Total time 12122.25	Removed Hartzell Prop. HC-C3YR-1RF/F7282 to send to Aircraft Propeller Service for Warranty Repair S/N DY7063B. Dion Carr Dim Can ATP 3222573

1. Approving National Aviation Authority/Country:

FAA/UNITED STATES

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

550414

4. Organization — **AIRCRAFT PROPELLER SERVICE INC.**

290 LARKIN DR. • WHEELING, IL 60090-6456 • 800-323-4130

5. Work Order/Contract/Invoice Number:

89178 W/ATTACHED PAGE(S)

1 THRU DATED Jun/26/2008

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Qty	11. Serial/Batch Number	12. Status/Work
1	HARTZELL GOVERNOR	F-2-7A	N/A	1	5154W	OVERHAULED

13. Remarks: OVERHAULED PER MANUAL 130B,R8 (01AUG05).

Serial #

TSN

TSO/TSMI

ASSY 5154W

UNK

0.00

COMPLIED WITH:

A/D N/A

S/B N/A

S/L N/A

OTHER: N/A

The Next Action Required on this Component is within 2,000 HOURS OR

ENG TBO SL 61-61YR1.

Certifies that the work specified in Blocks 12/13 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.145.5126."

14. Certifies the items identified above were manufactured in conformity to:

- Approved design data and are in condition for safe operation.
- Non-approved design data specified in Block 13.

19. ~~14~~ 14 CFR 43.9 Return to Service Other regulation specified in Block 13
Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 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.

15. Authorized Signature:

16. Approval/Authorization No.:

20. Authorized Signature:

21. Approval/Certificate No.:

EY2R811K

17. Name (Typed or Printed):

18. Date:

22. Name (Typed or Printed):

RICHARD WITSCHY, INSPECTOR

23. Date (m/d/y):

Jun/26/2008

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. 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 parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 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.



Carver Aero LLC
DBA Revv Aviation
CRS#VRXR118L

WO# 209905

Date	Tail #	Model	S/N	Tach Time	Total Time	TSMOH
3-Oct-25	N563CA	HC-C3YR-1 RF	774413	2245.4	14632.5	2006.7

- 1 C/W annual inspection.
- 2 Dressed leading edges.
- 3 Lubed propeller hub.

I certify this propeller has been inspected IAW an approved standard annual inspection checklist and is found to be in airworthy condition.

Reis Rotert Signed: 

Carver Aero LLC DBA Revv Aviation CRS# VRXR118L

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4-9-08	Tach: 10727.8	10727.8		<p>- Changed oil & filter. Inspected old filter for contamination and found ok. Serviced engine with 8 Qts Phillips XLC 20W50 oil. Run-up leak check ok. See Corvair Aero w/H 204359 for details.</p> <p>WBI CR#VXRK18L</p>
6-27-08	Tach: 782.4	A/C Total: 10782.4	Eng-TT: 6704.3	<p>75MBH, 1591</p> <p>- Performed an annual inspection IAW ^{FAA 135.419} an annual inspection checklist. Compression check #1-74, #2-76, #3-74, #4-75. Changed oil and filter inspected old filter for contamination and found ok. Serviced engine with 8 Qts Phillips XLC 20W50. C/w 500HR inspection on Left magneto S/N E011195 and installed a new impulse coupling. Installed new oil dipstick seal-see back of airframe log for AD compliance. Run-up leak check ok.</p> <p>- Propeller governor overhauled by Aircraft propeller services S/N 5154W</p> <p>in accordance with an annual inspection checklist. Was determined to be in service condition. are on file. Work order No. 204435</p> <p>Signed <u>WBI</u></p>

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4-1-2009	Tach 1000.94	Eng.	Total time 6922.84 TSMOH 1809.54	Removed Aerotech (Chrysler) ALTERNATOR. INSTALLED new Plane-Power ALternator model AL12-C60 S/N 2C-74903. W&B updated in POH. Replaced both mufflers with Aerospace Welding Minneapolis, Inc. P/N A67517.00. See Curver Aero WD. 3613 for details. DIONCARR DionCam 3222573 APP
4-30-09	Tach 11027.3			Changed oil & Filter, Inspected old Filter, Found normal Serviced with 8 qts Phillips x/c 20W50 Leaky, OK OK. Curver Aero wot# 204740 Mint / ch / fit CRS #URX18
6/11/09	Tach 1052		1860.6 SMOH	Total time 6973.9 Removed this engine Sion 563CA for overhaul RT Remme CRS URX18 Rick Dimmer



Phone: 815.544.2300 800.397.8181 LIMITED AIRCRAFT ENGINE WARRANTY

FAX: 815.544.8900

Poplar Grove Airmotive, Inc. (PGA) limits its warranty on the listed engine overhauled by PGA to be free from defects in material and workmanship under normal use and service for a period of two years or 500 hours, whichever occurs first from the completion date of the overhaul. All accessories overhauled by PGA are warranted for 250 hours of operation or one year, whichever event shall occur first.

Any engine, cylinder or component Repair not associated with a major engine overhaul is warranted to be free from defects in material and workmanship for six months.

The obligation of the Company under this warranty is limited to the repair or replacement, at the option of PGA, of any part, component or engine, which, in the opinion of PGA is defective. PGA assumes no obligation for work accomplished at a facility other than PGA unless prior notification is given and the owner receives authority from PGA to proceed. PGA additionally reserves the right to furnish any parts and/or components required. If requested by PGA, owner must return all warranted parts, transportation prepaid, to PGA for examination.

Warranty is not applicable to routine maintenance, inspection or adjustments. Replacement or repair of an engine component or accessory will not be construed to extend the initial warranty period.

This warranty shall not apply to engines, their component parts or accessories which have been improperly installed, adjusted, stored, handled, repaired, altered or operated contrary to current manufacturer's recommendations of FAA Airworthiness Directives, or subjected to misuse, neglect, accident, pre-ignition, detonation, hydrostatic lock or corrosion.

PGA does not warrant accessories, such as factory-remanufactured magnetos, carburetors, starters, etc. supplied by a vendor other than PGA when that vendor has its own warranty.

No express warranties and no implied warranties, whether of merchantability or fitness for any particular use, or otherwise (except to title) other than that expressly set forth above, which is made expressly in lieu of all other warranties, shall apply to products sold by PGA.

This warranty and this PGA's obligation thereunder is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose, and all other obligations or liabilities, including consequential damages or contingent liabilities arising out of the failure of any engine or part to operate properly, and no person is authorized to give any other warranty or to assume any additional obligation on PGA's behalf unless made in writing and signed by an officer of PGA.

Date 12/31/2017 Model Lyc 10-360-C1C S/N L-12564-51A WO# 8562

YEAR
20 _____
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations:
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

MAKE Lycoming **MODEL** IO-360-C1C **S/N** L-12564-51A
Total Time 8,546.50 **Hours** Time Since Major Overhaul ZERO **Hours**

This engine was disassembled, cleaned, inspected and reassembled with necessary new parts in accordance with a major overhaul as per the manufacturer's current overhaul manual 60294-7 A detailed parts list is on file at this agency. The following accessories were overhauled or exchanged. See maintenance releases in this logbook.

Assembled engine with crankcase repaired by Divco WDC#119210. Installed camshaft P/N LW-18840 new from Lycoming. Installed tappets P/N 15B26262 new from Lycoming. Installed cylinder kits P/N 05K21120 new from Lycoming. Installed magnetos left, P/N 10-349365-9, S/N EO11195, and right, P/N 10-349305-1, S/N FO7BA205R, overhauled by Poplar Grove Airmotive. Installed fuel pump P/N AF15473 new from Tempest. Installed injector nozzles P/N 2524864-2 new from Precision Airmotive. Installed flow divider P/N 2576564-1, S/N K146, overhauled by Precision Airmotive. Supplied servo P/N 2524450-9, S/N 72H02108 overhauled by Precision Airmotive. Supplied starter P/N 149NL, S/N H-R040078 new from Hartzell Engine Technologies. See A.D. Compliance Record and Parts List for more details. -----END-----

All applicable airworthiness directives and related factory publications have been checked for compliance at this date. See list in this logbook. This engine was test run in an FAA approved test cell and meets specifications. The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of repair are on file at this repair station under:

Poplar Grove Airmotive, Inc.
 Poplar Grove Airport, Poplar Grove, IL
 FAA Approved Repair Station #YYBR664L

Work Order # 8562 **Date** 19/Jul/2017

Terry Aavang 
 Signed for Poplar Grove Airmotive, Inc.

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8-3-17	Tach 238.7	TT 8,546.5	Aircraft TT 12,625.6	TSOH "0"
Installed This Engine on Aircraft N563CA Piper PA28R-200 S/N 28R-7535275, after overhaul by Aircraft Popular Grove Armotive. Installed supplied New Sky Tech Starter, Reinstalled Alternator, Prop Governor, Vacuum Pump, Flexible hoses and Lead mounts. Serviced with 80ts mineral 20W50 w/c Run-up & Leak cks performed. Made Idle speed and mixture Adjustment. Made Max RPM Adjustment as required. Flight Test Performed ok.				Tach <u>238.7</u> hrs. Total time <u>8546.5</u> hrs I certify this <u>Engine</u> has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition. Details are on file. Work order No. <u>207736</u> Date <u>8-3-17</u> Signed <u>Mat DeFet</u> Shop Inspector
CARVER AERO, INC. Municipal Airport Davenport, IA 52804				FAA Approved Repair Station No VRXR1181



Carver Aero LLC
DBA Revv Aviation
CRS#VRXR118L

Date	Tail #	Model	S/N	WO#	209905	Tach Time	Total Time	TSMOH
10/3/2025	N563CA	IO-360-C1C	L-12564-51A	2245.4		10553.2		2006.7

- 1 C/W annual inspection.
- 2 Compressions 1) 77/80, 2) 79/80, 3) 79/80, 4) 76/80.
- 3 Changed oil and inspected filter. Cleaned filter and reinstalled. Serviced w/ 7qts Phillips XC 20W-50.
- 4 C/W AD 15-19-07 Fuel Injection Lines inspection. Next due: 14691.6 total time.
- 5 C/W AD 2024-21-02 IAW 14 CFR 43.9(a) and 91.417(a)(2)(v).
Inspected oil filter and found now evidence of bronze material. Next due : Next oil change.
- 6 C/W Plane power alternator 100hr ICA.
- 7 Repaired exhaust heat shroud.
- 8 Replaced heat shroud intake boot.
- 9 Cleaned all fuel injectors.
- 10 Replaced #4 cyl exhaust riser. Installed new exhaust gaskets on # 2 & #4 cyl.

I certify this engine has been inspected IAW an approved standard annual inspection checklist and is found to be in airworthy condition.

Reis Rotert Signed: 

Carver Aero LLC DBA Revv Aviation CRS# VRXR118L



Carver Aero LLC
DBA Revv Aviation
CRS#VRXR118L


is and Alterations
ertificate Number of
her specific entries.)

Date	Tail #	Model	S/N	Tach Time	WO#	Total Time	TSMOH
5/1/2025	N563CA	IO-360-C1C	L-12564-51A	2147.6	209794	14534.7 10455.4	1908.9

- 1 C/W a 100hr inspection.
- 2 Compressions 1) 78/80, 2) 79/80, 3) 79/80, 4) 79/80.
- 3 Changed oil and inspected filter. Cleaned filter and reinstalled. Serviced w/ 8qts Phillips XC 20W-50.
- 4 C/W AD 15-19-07 Fuel Injection Lines inspection. Next due: 14593.8 total time.
- 5 C/W AD 2024-21-02 IAW 14 CFR 43.9(a) and 91.417(a)(2)(v).
Inspected oil filter and found now evidence of bronze material. Next due : Next oil change.
- 6 Replaced exhaust gaskets on cylinders #1.
- 7 Replaced intake manifold drain valve.
- 8 Cleaned all fuel injectors.
- 9 Resecured vacuum pump exhaust dump pipe.

I certify this engine has been inspected IAW an approved standard 100hr inspection checklist and is found to be in airworthy condition.

Reis Rotert Signed: 
Carver Aero LLC DBA Revv Aviation CRS# VRXR118L

6/16/25	Tach: 2197.4	Drained engine oil and serviced w/ 8qts Phillips X/C 20W-50.	
		Inspected cleanable filter and found OK. C/W AD 2024-21-02.	
		Run up and leak check good. Carver Aero WO 209841  CRS# VRXR118L	

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9/18/24	Tach: 1997.9			Drained oil and serviced w/ 8 qts. Phillips X/C 20W50. Removed cleanable oil filter, cleaned, and inspected. No issues noted. Re-installed cleanable oil filter and safetied. Run-up and leak check good. Carver Aero WO# 209608 A/R CRS# VRXR118L

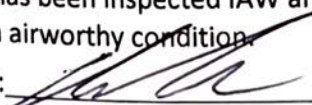


Carver Aero LLC
DBA Revv Aviation
CRS#VRXR118L

Date	Tail #	Model	S/N	Tach Time	Total Time	TSMOH
10/22/2024	N563CA	IO-360-C1C	L-12564-51A	2047.5	10355.3	1808.8

- 1 C/W an annual inspection.
- 2 Compressions 1) 76/80, 2) 78/80, 3) 78/80, 4) 78/80.
- 3 Changed oil and inspected filter. Cleaned filter and reinstalled. Serviced w/ 8qts Phillips XC 20W-50.
- 4 C/W AD 15-19-07 Fuel Injection Lines inspection. Next due: 14493.7 total time.
- 5 C/W AD 84-26-02 Paper induction filter replacement. Next due: 14883.7 total time.
- 6 Replaced exhaust gaskets on cylinders #1.
- 7 Replaced dipstick tube gasket w/ new.
- 8 Cleaned all fuel injectors.
- 9 Researched and C/W applicable AD's thru 22Oct24.

I certify this engine has been inspected IAW an approved standard annual inspection checklist and is found to be in airworthy condition.

Reis Rotert Signed: 
Carver Aero LLC DBA Revv Aviation CRS# VRXR118L



Carver Aero LLC
DBA Revv Aviation
CRS#VRXR118L

Date	Tail #	Model	S/N	WO#	Tach Time	Total Time	TSMOH
18-Jul-24	N563CA	IO-360-C1C	L-12564-51A	209506	1948.1	10255.9	1709.4

- 1 C/W 100hr inspection.
- 2 Compression check 1) 77/80, 2) 75/80, 3) 76/80, 4) 77/80.
- 3 Changed oil, inspected filter & found ok. Serviced W/ 8qts Phillips XC 20W-50.
- 4 C/W AD 15-19-07 Lycoming fuel injection lines. Next due: 2058.1 Tach
- 5 C/W Plane Power Alt 100hr ICA. Next Due:2048.1 Tach
- 6 Replaced rocker cover gasket on #4 cyl.
- 7 Replaced gasket on distick tube.
- 8 Replaced all spark plugs w/ new.
- 9 Replaced oil cooler duct.
- 10 Cleaned fuel injectors.
- 11 Run up and leak check ok.
- 12 Researched and C/W applicable AD's.

I certify this engine has been inspected IAW a standard 100hr inspection checklist and found to be in airworthy condition.

Reis Rotert Signed: 

Carver Aero LLC DBA Revv Aviation CRS# VRXR118L



CARVER AERO, LLC DBA REVV AVIATION
Municipal Airport
Davenport, IA 52806

FAA Approved Repair Station No. VRXR118L

Date:	2/23/2024	Engine:	Lyc. IO-360-C1C	S/N:	L-12564-51A
Tach:	1848.6	Total Time:	10156.4	TSMOH:	1609.9

Completed an Annual Inspection on this Engine IAW a standard annual checklist.

- 1 Compressions: #1) 72/80 #2) 71/80 #3) 76/80 #4) 75/80.
- 2 Drained and serviced oil w/ 8 qts Phillips X/C 20W50.
- 3 Inspected and cleaned oil filter. No issues found. Replace element @ tach 2699.4 or 7/2027.
- 4 C/W Bendix 500 hr. mag inspection. Installed and timed mags to engine.
- 5 Cleaned fuel injectors and installed. Run up and leak check good.
- 6 Researched and C/W AD's through 5/24/2023. See binder for AD compliance records.

Carver Aero, Inc Work Order #: 209361

I certify that this engine was inspected IAW an Annual Inspection and was determined to be in airworthy condition.

John Klopp

Signed:

FAA Approved Repair Station No. VRXR118L



CARVER AERO, LLC DBA REVV AVIATION
Municipal Airport
Davenport, IA 52806

FAA Approved Repair Station No. VRXR118L

Date:	4/22/2024	Engine:	Lycoming IO-360-C1C	S/N:	L-12564-51A
Tach:	1899.4	Total Time:	10207.2	TSMOH:	1660.7

Drained oil and inspected filter. Found good. Serviced w/ 7qts Phillips XC 20W50. Leak check good.

Carver Aero, Inc Work Order #: 209433

Todd Bankhead

Signed:

FAA Approved Repair Station No. VRXR118L

RECURRING AD'S

AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD
 Aircraft, Engine, Propeller, or Appliance/Comp. Make Piper Model PA28R 200 Ser. No. 28R-753275

AD Number & REV. DATE.	Subject	Date and Hours of Compliance	Method of Compliance	ONE-TIME RECURRING	Next Comp. Due Date/Hours	Authorized Signature and Number
84-26-02	PAPER INDUCTION	8-15-19	REPLACED FILTER	X	13,431.6	<i>[Signature]</i>
1-24-85	FILTER	12,031.6	W/ NEW			CRS#VRXL118L
15-19-07	L/C FUEL INJ	5-18-20	INSPECTED 2	X	13,143.9	<i>[Signature]</i>
11/3/15	LINES	13,033.9	FOUND OK			CRS#VRXL118L
13-02-13	Horizontal Stab	9/2/20	C/W inspection -	X	9/27	<i>[Signature]</i>
3/11/13	cable insp.	13/27	No corrosion found		15/27.0	CRS#VRXL118L
15-19-07	Lyc Fuel Inj Lines	9/25/20	Inspected and			<i>[Signature]</i>
11/3/15		13/32	found OK	X	13242	CRS#VRXL118L
15-19-07	Lyc Fuel Injection	12/9/20	Inspected and found			<i>[Signature]</i>
11/3/15	Lines	13,230.9	OK	X	13,330.9	CRS#VRXL118L
15-19-07	Lyc Fuel Injection	3/19/21	Inspected and			<i>[Signature]</i>
11/3/15	Lines	13,390.8	Found OK	X	13,430.8	CRS#VRXL118L
84-26-02	Paper Induction	13 Jul 2021	Replaced with	X		<i>[Signature]</i>
29 Jan 85	Air Filter	13,433.5	new filter		13,933.5	AP3557843
2015-19-07	Lycoming Fuel Injection	13 Jul 2021	Inspected and			<i>[Signature]</i>
3 Nov 2015	Lines	13,433.5	found OK.		13,543.5	AP3557843
20-26-16	Wing Spar Inspection	3/19/21	C/W by Elliott Aviation	X		See Log entry
2/16/21		13,330.8	Report #21-069			dated 3/19/21
15-19-07	Lycoming Fuel inj.	12/16/21	C/W by visual insp		13743.1	<i>[Signature]</i>
3 Nov 15	Lines	13633.1	No faults found	X		CRS#VRXL118L
15-19-07	LYCOMING FUEL INJ	4-19-23	C/W BY VISUAL INSP			<i>[Signature]</i>
11/3/15	LINES	13,982.0	NO FAULTS FOUND	X	14,093	CRS#VRXL118L
84-26-02	Paper Induction	10/10/22	Replaced with			<i>[Signature]</i>
1/29/85	Air Filter	13882.8	new filter	X	14382.8	CRS#VRXL118L
15-19-07	Lycoming Fuel Inj.	8/24/23	C/W by visual insp.			<i>[Signature]</i>
11/3/15	Lines	14085.6	No faults found	X	14095.6	CRS#VRXL118L
15-19-07	Lycoming Fuel Inj.	2/23/24	C/W by visual insp.			<i>[Signature]</i>
11/3/15	Lines	14184.8	No faults found	X	14284.8	CRS#VRXL118L
15-19-07	L/C FUEL INJ.	18 JUN 24	C/W BY VIS. INSP.	X		<i>[Signature]</i>
11/3/15	LINES	14284.3	NO FAULTS		14394.3	CRS#VRXL118L
15-19-07	L/C FUEL WS	10 OCT 24	C/W BY VIS. INSP.	X		<i>[Signature]</i>
11/31/15	LINES	14383.7	NO FAULTS		14493.7	CRS#VRXL118L
84-26-02	PAPER IND.	10 OCT 24	C/W BY FILTER	X		<i>[Signature]</i>
1/29/85	FILTER	14383.7	REPLACEMENT		14883.7	CRS#VRXL118L

RECURRING

AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

 Aircraft, Engine, Propeller, or Appliance/Comp. Make PIPER

 Model PA 28R-200 Ser. No. 28R 7535275

AD Number & REV. DATE.	Subject	Date and Hours of Compliance	Method of Compliance	ONE-TIME RECURRING	Next Comp. Due Date/Hours	Authorized Signature and Number
11-26-04 1-25-12	LYC FUEL INJ LINES	5-16-13 11981.5	INSP OF LINES AND CLAMPS	X	12081.5	<i>David E. Mill</i> CRS#VRXR118L
11-26-04 1-25-12	LYC FUEL INJ LINES	8-14-13 12032.3	INSP OF LINES AND CLAMPS	X	12133.3	<i>David E. Mill</i> CRS#VRXR118L
84-26-02 1-29-85	PAPER INDUCTION FILTER	8-14-13 12032.3	REPLACED FILTER WITH NEW	X	12533.3	<i>David E. Mill</i> CRS#VRXR118L
13-02-13 3-11-2013	HOR STAB CABLES & TURNBUCKLES	8-14-13 12032.3	INSPECTED CABLES & TURNBUCKLES	X	14033.3 OR 8-2020	<i>David E. Mill</i> CRS#VRXR118L
11-26-04 1-25-12	LYC FUEL INJ LINES	11-4-13 12081.4	INSP OF LINES AND CLAMPS	X	12181.4	<i>David E. Mill</i> CRS#VRXR118L
11-26-04 1-25-12	LYC FUEL INJ LINES	7-16-14 12129.2	INSP OF LINES AND CLAMPS	X	12229.2	<i>David E. Mill</i> CRS#VRXR118L
11-26-04 1-25-12	LYC FUEL INJ LINES	2-12-15 12177.8	INSP OF LINES AND CLAMPS	X	12277.8	<i>David E. Mill</i> CRS#VRXR118L
11-26-04 1-25-12	Lyc. Fuel inj. Lines	4/21/15 12228.5	C/W insp.	X	12328.5	<i>David E. Mill</i> CRS#VRXR118L
11-26-04 1-25-12	LYC FUEL INJ LINES ^{supersede by 2015-19-07}	6-10-15 12276.9	INSP OF LINES & CLAMPS	X	12376.9	<i>David E. Mill</i> CRS#VRXR118L
2015-19-07 11/31/2015	Lyc Fuel inj. lines "AW Lyc. MSB 342G + Supplmt #02"	10-28-2015 12327.5	inspected lines + clamps AW Lyc. MSB 342G + Supplmt #02	X	(110 hr) 12437.5	<i>David E. Mill</i> CRS#VRXR118L
15-19-07 11/3/15	Lycorning fuel inj lines	7/27/16 12527.4	Inspected lines & clamps per MSB 342G	X	N/A 12637.4	<i>David E. Mill</i> CRS#VRXR118L
84-26-02 1/29/85	Paper induction filter	7/27/16 12527.4	Replaced filter	X	13037.4	<i>David E. Mill</i> CRS#VRXR118L
15-19-07 11/3/15	Lyc. Fuel Inj lines	8/3/17 12625.6	Inspection of Lines + clamps	X	12725.6	<i>David E. Mill</i> CRS#VRXR118L
12-14-04 8/15/17	Old Cooler hoses	3/28/18 12727.9	This AD terminated AD #95-26-13 does not apply due to TSO-C53a hoses installed AD #15-19-07 No longer applic.			<i>David E. Mill</i> CRS#VRXR118L
15-19-07 11/3/15	Lycorning fuel inj. lines	3/28/18 12727.9	Inspected and found OK	X	12837.9	<i>David E. Mill</i> CRS#VRXR118L
15-19-07 11/3/15	LYCORNIA FUEL INJ LINES	11/28/18 12831.5	INSPECTED & FOUND OK	X	12941.5	<i>David E. Mill</i> CRS#VRXR118L
15-19-07 04-20-18						
15-19-07 11/3/15	LYCORNIA FUEL INJ LINES	8-15-19 12931.6	INSPECTED & FOUND OK	X	13041.6	<i>David E. Mill</i> CRS#VRXR118L

563CA

OLD

P.O.H

WARNING

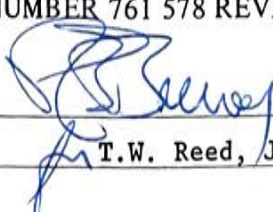
EXTREME CARE MUST BE EXERCISED TO LIMIT THE USE OF THIS MANUAL TO APPLICABLE AIRCRAFT. THIS MANUAL REVISED AS INDICATED BELOW OR SUBSEQUENTLY REVISED IS VALID FOR USE WITH THE AIRPLANE IDENTIFIED BELOW WHEN APPROVED BY PIPER AIRCRAFT CORPORATION. SUBSEQUENT REVISIONS SUPPLIED BY PIPER AIRCRAFT CORPORATION MUST BE PROPERLY INSERTED.

MODEL PA-28R-200

AIRCRAFT SERIAL NO. 28R-7535275 REGISTRATION NO. N1414X
PR740325

PILOT'S OPERATING MANUAL, PART NUMBER 761 578 REVISION 3-25-74

PIPER AIRCRAFT CORPORATION
APPROVAL SIGNATURE AND STAMP



T.W. Reed, Jr.

Assurance that the airplane is in an airworthy condition is the responsibility of the owner. The pilot in command is responsible for determining that the airplane is safe for flight. The pilot is also responsible for remaining within the operating limitations outlined by the Airplane Flight Manual, instrument markings, and placards.

This Pilot's Operating Manual is not designed as a substitute for adequate and competent flight instruction, knowledge of the current airworthiness directives, applicable federal air regulations, or advisory circulars. It is not intended to be a guide for basic flight instruction or a training manual for transition from single to multi-engine flying.

If an inconsistency of information exists between the Pilot's Operating Manual and the Airplane Flight Manual approved by the FAA, the Airplane Flight Manual shall be the authority.

A complete or partial replacement of this manual, Part No. 761 578, may be obtained only from Piper Customer Services.

Published by
PUBLICATIONS DEPARTMENT
Piper Aircraft Corporation
761 578
Issued: July 1973

SPECIFICATIONS

PERFORMANCE

Published figures are for standard airplanes flown at gross weight under standard conditions at sea level, unless otherwise stated. Performance for a specific airplane may vary from published figures depending upon the equipment installed, the condition of the engine, airplane and equipment, atmospheric conditions and piloting technique. Each performance figure below is subject to the same conditions as on the corresponding performance chart from which it is taken in the Performance Charts Section.

Takeoff Run (ft)	1025
Takeoff Run (Short field effort, 25° flaps) (ft)	770
Takeoff Distance Over 50-ft Obstacle (ft)	1800
Takeoff Distance Over 50-ft Obstacle (Short field effort, 25° flaps) (ft)	1600
Best Rate of Climb (mph)	95 (100*)
Rate of Climb (gear retracted) (ft per min)	900
Best Angle of Climb (mph)	85 (96*)
Service Ceiling (ft)	15,000
Absolute Ceiling (ft)	17,000
Max Speed (mph)	175
Optimum Cruising Speed (75% power, optimum altitude, 6600 ft) (mph)	165
Cruise Speed at best power mixture (mph)	
65% power, 9,750 ft	159
55% power, 13,000 ft	150
Range at best power mixture (mi)**	
75% power, 6600 ft	665
65% power, 9750 ft	715
55% power, 13,000 ft	765
Cruise Speed at best economy mixture (mph)	
75% power, 6600 ft	156
65% power, 9700 ft	148
55% power, 13,100 ft	141
Range at best economy mixture (mi)**	
75% power, 6600 ft	740
65% power, 9700 ft	785
55% power, 13,100 ft	850
Stalling Speed (flaps and gear down) (CAS) (mph)	64
Stalling Speed (flaps and gear up) (CAS) (mph)	71
Landing Roll (flaps down) (ft)	780
Landing Roll Over 50-ft Obstacle (ft)	1380

*Gear retracted

**No reserve

ARROW II

WEIGHTS

Gross Weight (lbs)	2650
Standard Empty Weight (lbs)	1531
Maximum Useful Load (obs)	1198

POWER PLANT

	S/N 28R-7435001 thru 28R-7635516	S/N 7635517 & Up
Engine (Lycoming)	IO-360-C1C	IO-360-C1C6
Propeller	Hartzell HC-C2YK-1()/7666A-2 or HC-C2YK-1()F/F7666A-2	McCauley B2D34C213/90DHA-16
Rated Horsepower	200	200
Rated Speed (rpm)	2700	2700
Bore (in.)	5.125	5.125
Stroke (in.)	4.375	4.375
Displacement (cu. in.)	361.0	361.0
Compression Ratio	8.7:1	8.7:1
Dry Weight (lbs)	326	333

FUEL (AVGAS ONLY)

Usable Fuel Capacity (U.S. gal.)	48
Fuel, Aviation Grade (min octane)	100/130

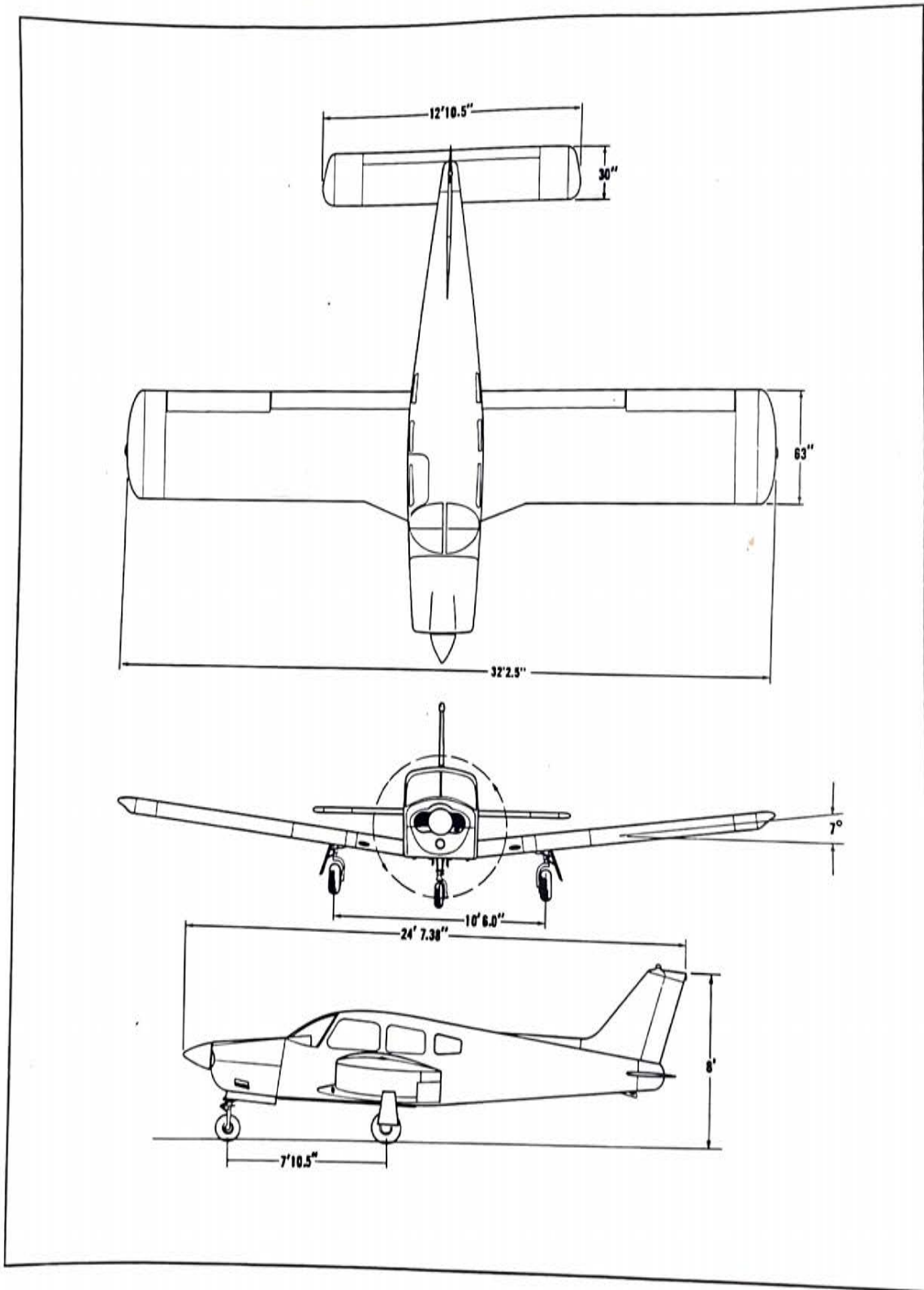
OIL

Oil Capacity (qts)	8	
Oil Specification	Refer to latest issue of Lycoming Instruction No. 1014.	
Oil Viscosity per Average Ambient Temp. for Starting	MIL-L-6082B	MIL-L-22851
	Mineral	Ashless Dispersant
	SAE Grade	SAE Grades
All Temperatures	--	15W-50 or 20W-50
Above 80°F	60	60
Above 60°F	50	40 or 50
30°F to 90°F	40	40
0°F to 70°F	30	30, 40 or 20W-40
0°F to 90°F	20W-50	20W-50 or 15W-50
Below 10°F	20	30 or 20W-30

When operating temperatures overlap indicated ranges, use the lighter grade oil.

BAGGAGE

Maximum Baggage (lbs)	200
Baggage Space (cu ft)	22
Baggage Door Size (in)	20 x 22



GENERAL SPECIFICATIONS
ISSUED: JULY 13, 1973

ARROW II

DIMENSIONS

Wing Span (ft)	32.2
Wing Area (sq ft)	170
Wing Loading (lbs per sq ft)	15.6
Length (ft)	24.6
Height (ft)	8.0
Power Loading (lbs per hp)	13.25

LANDING GEAR

Wheel Base (ft)	7.8	
Wheel Tread (ft)	10.5	
Tire Pressure (psi)		
	Nose	30
	Main	27
Tire Size	Nose (four-ply rating)	5.00 x 5
	Main (four-ply rating)	6.00 x 6