

Cawthra Joshua

From: Asensio, Ricardo [REDACTED]
Sent: Monday, August 26, 2013 6:42 AM
To: Cawthra Joshua
Subject: RE: WPR12LA274 - POH Docket Item

Yes you may use the pages mentioned.

Regards,

Ricardo J. Asensio
Air Safety Investigator
Cessna Aircraft Company
Off. [REDACTED]

From: Cawthra Joshua [REDACTED]
Sent: Thursday, August 22, 2013 3:27 PM
To: Asensio, Ricardo
Subject: WPR12LA274 - POH Docket Item

Hey Ricardo,

I would like to use this portion of the Pilot Operating Handbook within our public docket. Could you reply to this email stating we have permission to do so. Thanks!

Josh

Joshua Cawthra

Aviation Accident Investigator
National Transportation Safety Board
[REDACTED]
Federal Way, WA 98003

[REDACTED]
Web: <http://www.nts.gov>

TAKE-OFF DATA

TAKE-OFF DISTANCE WITH FLAPS UP FROM HARD SURFACE RUN

| GROSS WEIGHT LBS. | IAS AT 50 FT. | HEAD WIND MPH | AT SEA LEVEL & 59° F | |
|----------------------|---------------------|---------------------|----------------------|--------------------------|
| | | | GROUND RUN | TO CLEAR 50' OBSTACLE |
| 1600 | 56 | 0 | 355 | 805 |
| | | 15 | 230 | 525 |
| | | 30 | 130 | 290 |
| 1900 | 63 | 0 | 515 | 1175 |
| | | 15 | 350 | 790 |
| | | 30 | 210 | 475 |
| 2200 | 69 | 0 | 725 | 1650 |
| | | 15 | 505 | 1145 |
| | | 30 | 315 | 720 |

NOTE: INCREASE DISTANCES 10% FOR EACH 25 DEGREES F.

CLIMB DATA

| GROSS WEIGHT LBS. | AT SEA LEVEL & 59° F | | | AT 5000 FT. & 41° | |
|----------------------|-----------------------------|-------------------------------|----------------------------|-----------------------------|-------------------------------|
| | BEST CLIMB IAS MPH | RATE OF CLIMB FT/MIN | GAL. OF FUEL USED | BEST CLIMB IAS MPH | RATE OF CLIMB FT/MIN |
| 1600 | 70 | 1115 | 1.0 | 66 | 860 |
| 1900 | 72 | 860 | 1.0 | 70 | 640 |
| 2200 | 75 | 660 | 1.0 | 73 | 445 |

NOTE: FLAPS UP, FULL THROTTLE, AND MIXTURE LEANE FUEL USED INCLUDES WARM-UP AND TAKE OFF AL

OPERATIONAL DATA

TAKE-OFF CONDITIONS

HARD SURFACE RUNWAY
ZERO WIND
GROSS WEIGHT-2200 POUNDS
FULL THROTTLE
FLAPS UP
AIRPLANE ACCELERATES TO
69 MPH IAS IN CLIMB TO OBSTACLE

NOTE

INCREASE DISTANCE TO CLEAR 50 FT.
OBSTACLE 10% FOR EACH 25° F ABOVE
THE TEMPERATURES SHOWN

CLIMB CONDITIONS

FLAPS UP
FULL THROTTLE
GROSS WEIGHT - 2200 POUNDS
MIXTURE LEANED FOR SMOOTH
OPERATION ABOVE 5000 FT.

135 FT. / MIN.
CLIMB **12,500 FT.**
@ 69 MPH IAS (15° F)

