

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

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)

10,000 FT.
(23° F)

50 FT.

1365 FT.

3100 FT.

7,500 FT. ELEVATION
(32° F)

50 FT.

1080 FT.

2455 FT.

5,000 FT. ELEVATION
(41° F)

445 FT.
@ 73 M