

Silliman James

From: Soderlund, Henry [REDACTED]
Sent: Tuesday, May 10, 2016 8:16 AM
To: Silliman James
Cc: Struhsaker Georgia; Burtch Timothy
Subject: RE: CEN16MA036: Stall Speeds and AOA?

Hello all,

Below are the stall speeds and critical AOA info you request.

Flap	Wt-lb	KIAS
45	21665	96.2
	22000	97.0
	22286	97.7
25	21665	100.3
	22000	101.1
	22286	101.7

AOA-deg
45 15.5
25 16.5

Regards,

Henry J. Soderlund
Senior Air Safety Investigator, Air Safety Investigations

Textron Aviation
[REDACTED]

From: Silliman James [mailto:[REDACTED]]
Sent: Wednesday, May 04, 2016 7:22 AM
To: Soderlund, Henry
Cc: Struhsaker Georgia; Burtch Timothy
Subject: CEN16MA036: Stall Speeds and AOA?

Henry,

Please provide the answers to the following questions:

1. What is stall speed with flaps 45 at a gross weight of 21,665 lbs? at a gross weight of 22,000 lbs? at a gross weight of 22,286 lbs?
2. What is stall speed with flaps 25 at a gross weight of 21,665 lbs? at a gross weight of 22,000 lbs? at a gross weight of 22,286 lbs?
3. What is the critical AOA (i.e. AOA at C_{Lmax}) for flaps 25? flaps 45?

Best regards,