

Takeoff & Landing Performance EDSZ – EDGM in DGOMS (Seminole PA-44-180 - 0-360-A1H6 & L0-360-A1H6)

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TAKEOFF SUMMARY - EDSZ - ZEPFENHAN

	Takeoff Weight	3.494 lbs
Runway	Runway	26
	TORA / TODA / ASDA	803 / 803 / 803 m
	Slope	1,4%
Weather	Wind	310°T / 7 kts ↓ 5 kts ← 6 kts
	Temperature	15°C
	Altimeter	29,92 inHg / 1013 hPa
Aircraft configs	Takeoff Flaps	0° (Short Field)
	Safety Distance Factor	1,00
Performance	Rotate / 50ft Speed	67 / 78 KIAS
	Ground Roll / Total Distance	346 / 612 m
	Abort Speed	67 KIAS
	Accel-Stop Distance	714 m
	Gear Down Climb Speed / Rate	78 KIAS / 1.053 ft/min
	Gear Up Climb Speed / Rate	88 KIAS / 1.196 ft/min
	Gear Up OEI Climb Speed / Rate	88 KIAS / 136 ft/min

LANDING SUMMARY - EDGM - LOHRBACH

	Landing Weight	3.413 lbs
Weather	Wind	320°T / 7 kts ↓ 7 kts → 2 kts
	Temperature	16°C
	Altimeter	29,92 inHg / 1013 hPa
Runway	Runway	33
	LDA	585 m
	Slope	0,35%
Aircraft configs	Landing Flaps	40° (Short Field)
	Safety Distance Factor	1,00
Performance	Approach Speed	71 KIAS
	Ground Roll / Total Distance	194 / 407 m

All Engines Operating - Climb capabilities - EDSZ - Zepfenhan - Elevation 2.444 ft

All climb gradients are expressed in ft/NM. Climb figures at altitudes above airport elevation use ISA temperature lapse rate of 1,98°C per 1.000 ft.

Climb profile: Gear Up Climb Rate

Pressure altitude	Speed (KIAS)	Calm winds				10 kts tailwind				20 kts tailwind			
		10°C	15°C	20°C	30°C	10°C	15°C	20°C	30°C	10°C	15°C	20°C	30°C
2.445 ft	88	813	777	741	669	734	701	669	604	668	639	609	550
3.000 ft	88	781	746	711	641	705	673	642	579	643	614	585	528
4.000 ft	88	713	680	646	580	645	615	585	525	589	561	534	479
5.000 ft	88	647	616	584	521	587	558	530	473	536	510	484	432
6.000 ft	88	584	554	524	465	530	503	476	422	486	461	436	386
7.000 ft	88	523	495	467	410	476	450	424	373	436	413	389	342
8.000 ft	88	464	438	411	358	423	399	374	326	388	366	344	299
9.000 ft	88	408	382	357	307	372	349	326	280	342	321	300	257
10.000 ft	88	353	329	305	258	322	300	279	235	296	277	257	217
11.000 ft	88	300	277	255	210	274	254	233	192	252	234	215	177

Climb profile: Gear Down Climb Rate

Pressure altitude	Speed (KIAS)	Calm winds				10 kts tailwind				20 kts tailwind			
		10°C	15°C	20°C	30°C	10°C	15°C	20°C	30°C	10°C	15°C	20°C	30°C
2.445 ft	78	810	772	735	659	721	688	655	588	651	620	590	530
3.000 ft	78	772	735	699	626	688	656	623	558	621	592	562	504
4.000 ft	78	693	659	624	555	620	589	558	496	560	532	504	448
5.000 ft	78	618	585	552	487	553	524	495	436	501	474	448	395
6.000 ft	78	545	514	483	421	489	461	433	378	444	418	393	342
7.000 ft	78	475	445	416	357	427	400	374	321	388	364	340	292
8.000 ft	78	407	379	352	296	367	342	317	267	333	311	288	242
9.000 ft	78	342	315	289	237	308	285	261	214	281	259	238	195
10.000 ft	78	278	254	229	180	251	229	207	162	229	209	189	148
11.000 ft	78	217	194	171	124	196	175	154	112	179	160	141	103

ALTERNATE LANDING - ETHN - NIEDERSTETTEN**No landing runway requested**