



flugschule fricktal

PA-28-161 (CADET) HB-POE / POF
PA-28-181 (ARCHER II) HB-PBH / PBV

30.04.2016

MAX T/O weight	CADET: HB-POE / POF		ARCHER II:		HB-PBH	HB-PBV	
	Normal category	Utility category	Normal category	Utility category			
Approx. basic weight	2325 lbs	2020 lbs	1055 kg	916 kg	2550 lbs / 1157 kg	2130 lbs / 966 kg	
Fuel filler neck	1490 lbs	1490 lbs	676 kg	676 kg	1539 lbs / 698 kg	1579 lbs / 716 kg	
Approx. allowed load with fuel filler neck	34 USG / 129 lt	204 lbs	92 kg	34 USG / 129 lt	204 lbs / 92 kg	807 lbs / 366 kg	767 lbs / 347 kg
Fuel full tanks	48 USG / 182 lt	288 lbs	130 kg	48 USG / 182 lt	288 lbs / 130 kg	723 lbs / 327 kg	683 lbs / 309 kg
Approx. allowed load with fuel full tanks		548 lbs	249 kg				

Lärmkategorie: D

Fuel: AVGAS 100LL (blue) or AVGAS 100 (green)

Oil: 15W-50 (multigrade ashless). Alternate: SAE 40 = Aviation W80 (single grade ashless)

REGA ex Switzerland: 1414

REGA ex other countries: +41 333 333 333

Close ATC-Flightplan: 0800 437 837

INFO-FREQ: Zürich 124,700 / Geneva 126,350

Langen 128,950 / Bâle 130,900

Transponder: Airspaces C/D: AC (S) compulsory, squawk according ATC

Airspace E/G: AC (S) compulsory above 7000 ft, squawk **A/C (S) 7000**

Altimetersettings: below 3000 ft GND: QNH (altitude), above 3000 ft GND: Standard 1013,2 hPa (flight level / FL)

1. To get **Pressure-Altitude (PA)**:

if QNH > 1013: subtract result from airfield-altitude to get PA

if QNH < 1013: add result to airfield-altitude to get PA

2. To get **ISA-Temp.** at PA:

1000

3. To get **Density Altitude (DA)**:

if act. OAT > ISA: add result to PA to get DA

if act. OAT < ISA: subtract result from PA to get DA