



**PA28R-201 (ARROW III)
HB-PIG**

01.01.2012

	ARROW III		
MAX T/O weight		2750 lbs	1247 kg
Approx. basic weight		1825 lbs	828 kg
Fuel filler neck	50 USG / 189 lt	300 lbs	136kg
Approx. allowed load with fuel filler neck		624 lbs	283 kg
Fuel full tanks	77 USG / 291 lt	462 lbs	209 kg
Approx. allowed load with fuel full tanks		462 lbs	207 kg

REGA ex Switzerland: **1414**
REGA ex other countries: **+41 333 333 333**
Close ATC-Flightplan: **0800 437 837**

INFO- Zürich 124,700 / Geneva 126,350
FREQ: Langen 128,950 / Reims 124,100

RPM: observe yellow arc:

**More than 2500 RPM for
5 minutes only !!!
Move RPM-lever gently**

Lärmklasse: D
Fuel: AVGAS 100LL (blue) or AVGAS 100 (green)
Oil: 15W-50 (multigrade ashless). Alternate: SAE 40 = Aviation W80 (single grade ashless)
Transponder: Airspaces C/D: compulsory, squawk according ATC
Airspace E/G: compulsory above 7000 ft, squawk **A/C (S) 7000**
Altimeter: **below 3000 ft GND:** QNH (altitude), **above 3000 ft GND:** Standard 1013,2 hPa (flight level)

1. To get **Pressure-Altitude (PA):** $28 \text{ ft} \times (1013 - \text{actual QNH})$
if QNH > 1013: subtract result from airfield-altitude to get PA
if QNH < 1013: add result to airfield-altitude to get PA

3. To get **Density Altitude (DA):** $120 \text{ ft} \times (\text{actual OAT} - \text{ISA-Temp. at PA})$
if act. OAT > ISA: add result to PA to get DA
if act. OAT < ISA: subtract result from PA to get DA

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

$$15^{\circ} - \frac{(\text{PA} \times 2^{\circ})}{1000}$$