Revised 26/02/23 TFA 1789

ICAO 40425C

Piper PA28-181 Archer II. s/n 28-8590047 **G-BYSP**

Transponder : Garmin GTX328 (No ADSB-out)

Wind	T°
5000'	
2000'	
1000'	

W/V used :

Freezing altitude :

A - A/c ID
C - Altitude
S - Data

Overall wind : e.g 20G30 = 20+10/2=25. (NB gust=30-20)
TFA Overall wind ≤ 30 & < 50% of clean stall @ max TOW.

Destination	TRK°	WCA°	VAR°	**HDG°**	TAS	G/S	Dist	**Time**
							Total	

1 USg = 3.8 ltrs, 6lb, 0.83 UKg

At 10 USg/hr **Fuel** =

Fuel reqd = Fuel + 10 + 2

Total fuel reqd :

Fuel & Oil Full 48 USg. Tabs 34 USg. 8-10 gph Use 10 gph

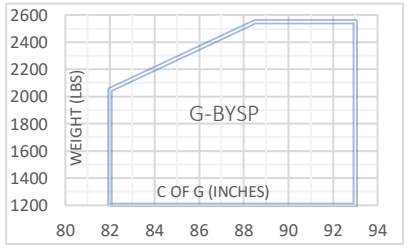
Oil : 8 qts max. 6 ok. Lean >5000' to rough then richen to smooth. Check T°

NB : AFM/POH takes precedent

Max TOW : 2550 lbs Max Baggage 200lbs. Weighing report 9/11/1999

W & B	lbs	ins	lb ins
Basic	1610.0	87.67	141149
Fuel		95.0	
Pilots		80.5	
Passengers		118.1	
Baggage		142.8	
Take off wt			

C of G



Short takeoff : 25°, 49/54kts** 1040' / 2020' = 317m / 616m (gnd roll / clear 50') Pg 5-17/15

Short landing : 40°, 66kts 900' / 1370' = 275m / 418m (gnd roll / clear 50') Pg 5-29/28

Conditions : MTOW, 1000', 25°C, 5kts headwind. Lower/colder = less distance. **49/54 : lift off / at 50'.

Cloud base' : (T°C - dew pt) x 400

MEF : Round highest chart point to next 100' + 300'

MSA : Round highest chart point to next 100' + 1000'

Vfe : Flap extended
Vno : Normal op - Max cruise
Vne : Never exceed
(Va : max maneuvering)

'Thumb' is approx 10 nm 1nm = 1.15 miles = 1852m.

Gndspeed	60	70	80	90	100	110	120
Time/nm	00:60	00:51	00:45	00:40	00:36	00:33	00:30
Time/10 nm	10:00	08:34	07:30	06:40	06:00	05:27	05:00

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Date:

	Hobbs	TACHO
PC		

Fuel	L	R	US gal
Std			
Oil		LR=>	
Fuel burn + 10 + 2 =>			

VFR FLIGHT LOG

Aircraft **G-BYSP**

Performance Data X-wind 17 Cruise **110kts - 2350** rpm

Pg 4-2	Climb	Approach - Flap		Stall	Vfe : 102
Rate Vy	76	75	10°/25°	0° : 40°	Vno : 125
Angle Vx	64	66	40°	50 : 44	Vne : 154
					(Va : 113)

90kts : 1.5nm/min. 100kts : 6min/10nm. Max drift : 3°/5kts.

Airfield	Hobbs	Tacho	R/W	Cct	Hold	QNH	QFE	Engine

Cold:Pump on/Rich/¼". Prime if no start. Hot:Pump on/Rich/½".

RPM : Takeoff 2700 for 5 mins max. Max continuous 2650. Cruise 75% 2300 rpm. Descent 2500 @ 122kts

Conspicuity : 7000	Mayday : 7700 121.5	Radio failed : 7600	3° glide : 300'/nm

Station								
Type								
Freq								
Sqwk								

Daventry	VOR DTY 116.4	Honiley VOR/DME 113.65
B'ham	NDB BHX 406	
Shobdon	NDB SH 426	Time=60 x nm/kts

Waypoints	MEF' MSA'	Plan Alt'	Time	ETA	ATA	**HDG**	Dist	G/S	TRK
	Start =>								

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