

N676CH

PERFORMANCE DATA

CHEAT SHEET

V SPEEDS (IAS)

Vs0	STALL SPEED, LANDING CONFIGURATION	41	KTS
Vs1	STALL SPEED, NO FLAPS	47	KTS
Vref	REFERENCE (APPROACH) SPEED = 1.3 X Vso	54	KTS
Vr	ROTATION SPEED	55	KTS
Vx	BEST ANGLE OF CLIMB	64	KTS
Vy	BEST RATE OF CLIMB	78	KTS
Vfe	FLAPS EXTENSION SPEED	85	KTS
Va	MANEUVERING SPEED	80-97	KTS
Vno	MAXIMUM STRUCTURAL CRUISING SPEED	128	KTS
Vne	NEVER EXCEED SPEED	160	KTS
	BEST GLIDE SPEED	65	KTS
	CRUISE SPEED	100	KTS

PERFORMANCE DATA

TAKEOFF DISTANCE (MAX WEIGHT, 30°C, S.L.)	960	FEET
TAKEOFF DISTANCE W/ 50 FT OBSTACLE	1685	FEET
RATE OF CLIMB AT SEA LEVEL (78 KIAS, 20°C)	630	FEET / MIN
LANDING DISTANCE (MAX WEIGHT, 30°C, S.L.)	545	FEET
LANDING DISTANCE W/ 50 FT OBSTACLE	1295	FEET

TRUE AIRSPEED (TAS) & RPM (15°C)

2000 FT	71%	BHP	2500 RPM	TAS: 111	KTS	7.8	GPH
4000 FT	68%	BHP	2500 RPM	TAS: 111	KTS	7.5	GPH
6000 FT	71%	BHP	2600 RPM	TAS: 116	KTS	7.9	GPH

CRUISING RANGE

6000 FT	75%	BHP	118 KIAS	RANGE:	447	NAUTICAL MILES
4000 FT	75%	BHP	116 KIAS	RANGE:	446	NAUTICAL MILES

WEIGHT & BALANCE

GROSS WEIGHT	2300	LBS
BASIC EMPTY WEIGHT	- 1547	LBS
MAXIMUM USEFUL LOAD	753	LBS
FUEL (38 USEABLE GALLONS)	- 228	LBS
USEFUL LOAD W/FULL FUEL (PILOTS & BAGS)	525	LBS

***DATA INCLUDES SOME ESTIMATIONS AND IS TO BE USED AS
REFERENCE/TRAINING ONLY; REFER TO AIRCRAFT POH FOR OFFICIAL
PERFORMANCE DATA***