

N676CH

PERFORMANCE DATA

CHEAT SHEET

V SPEEDS (IAS)

Vs0	STALL SPEED, LANDING CONFIGURATION	41	KTS
Vr	ROTATION SPEED	55	KTS
Vs1	STALL SPEED, NO FLAPS	47	KTS
Vref	REFERENCE (APPROACH) SPEED = 1.3 X Vso	54	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	- 1459	LBS
MAXIMUM USEFUL LOAD	841	LBS
FUEL (38 USEABLE GALLONS)	- 228	LBS
USEFUL LOAD W/FULL FUEL (PILOTS & BAGS)	613	LBS

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