

BEECHCRAFT BE 76 DUCHESS VITAL SPEC. SHEET

Weights:

Max ramp weight:	3916 lbs
Max T/O weight:	3900 lbs
MLW:	3900 lbs
MZFW:	3500 lbs

Fuel capacity:

Total :	103 USG
Useable :	100 USG

NOTE: MINIMUM FUEL FOR TAKE OFF = 20 USG PER TANK

Oil:

For long flights (> 3 hours) : 8 Quarts

For short flights (< 3 hours) : 6 Quarts

Speeds for safe operation:

V _A :	132 KIAS	V _{MCA} :	65 KIAS
V _{FE} :	40° up to 110 KIAS	V _{SSE} :	71 KIAS
	20° up to 120 KIAS	V _{so} :	70 KIAS
V _{LO} :	140 KIAS extension	V _{s1} :	60 KIAS
	113 KIAS retraction		
V _{NO} :	154 KIAS	V _{XSE} :	85 KIAS
V _{NE} :	194 KIAS	V _{YSE} :	85 KIAS

Max demonstrated cross-wind speed – 25 KIAS

Oil pressure range and limits:

Yellow arc : 25 to 60 psi Green arc : 60 to 100 psi

Oil temperature range and limits:

Yellow arc :	Green arc :	Red radial :
60 to 120 °F	160 to 240 °F	245 °F

Electrical system: 28V, output per alternator: 55 Amps

Tire pressures:

Nose wheel : 38 psi Main wheels: 38 psi