

CESSNA 310 R

A E Y



RUN UPS

Mags and Feather..... 1700 rpm

TAKE OFF

Flaps..... 0°
Rotate..... 83kts
Lift Off..... 92kts
Initial Climb..... 106kts
Auto Pilot Climb..... 700fpm / 130kts
(In IMC climb at 106 kts until above LSALT)

CLIMB

Setting..... 24.5 / 25

CRUISE

Setting..... See Over

TOP OF DESCENT

setting..... 20/24 Cowl flap shut

DOWNWIND

Abeam upwind threshold..... 20/24 Gear extended
Late downwind 17/24 15° Flap

BASE

Setting..... 17/24 > VYSE (106)

FINAL

Setting..... Full flap, cowl open
Vref..... Max Weight 93 kts
Min Weight 82 kts

LIMITATIONS

Vy 106 kts
Vx 82 kts
Vne..... 223 kts
Vno 181 kts
Vfe 15° - 158 kts
35° - 139 kts
Vle 138 kts
Vmca..... 71 kts
Vyse 106 kts
Max X/Wind 19 kts
Cylinder Head Temp 350° – 390°

Weights

BEW 1716 kg
ZFW 2223 kg
MTOW 2576 kg
MLW 2449 kg

Max Baggage

Nose Locker 141 kg
Wing Locker..... 18 kg x 2
Aft Baggage..... 72 kg

PLANNING

TAS 180 kts
Fuel Consumption 120 ltrs/hr
188lbs / hr

FUEL

Mains 380 ltrs
Aux 239 ltrs
Nacelles 152 ltrs
(run on mains for 90 mins BEFORE using AUX)

OIL

Capacity..... 10 – 13Qts

CRUISE

Pressure Altitude	% BHP	Standard temp - 20°C	Standard Temp	Standard temp + 20°C
2500 ft	65	23/2400 Tas - 172 LPH - 109	23/2400 Tas - 173 LPH - 106	24/2400 Tas - 176 LPH - 103
		75	24.5/2500 Tas - 181 LPH - 123	24.5/2500 Tas - 182 LPH - 119
5000 ft	65		22/2400 Tas - 175 LPH - 108	22.5/2400 Tas - 178 LPH - 107
		75	23/2500 Tas - 182 LPH - 120	24/2500 Tas - 188 LPH - 122
7500 ft	65		21/2400 Tas - 177 LPH - 105	22/2400 Tas - 183 LPH - 108
		75	22.5/2500 Tas - 187 LPH - 121	23/2500 Tas - 192 LPH - 122
10000 ft	65		21/2400 Tas - 184 LPH - 109	21/2400 Tas - 185 LPH - 105
		70	21/2500 Tas - 187 LPH - 113	21/2500 (67.5%) Tas - 188 LPH - 107

FUEL GUAGE CONVERSION

LBS	LTRS	Time Remaining @ 110 LPH	Time Remaining @ 120 LPH
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350	221	120 Mins	110 Mins
300	190	104 mins	95 Mins
250	158	86 Mins	79 Mins
200	126	69 Mins	63 Mins
150	95	52 Mins	48 Mins
125	79	43 Mins	39 Mins
100	63	34 Mins	31 Mins

Not for Operational use