

TAKE-OFF DISTANCE

ASSOCIATED CONDITIONS

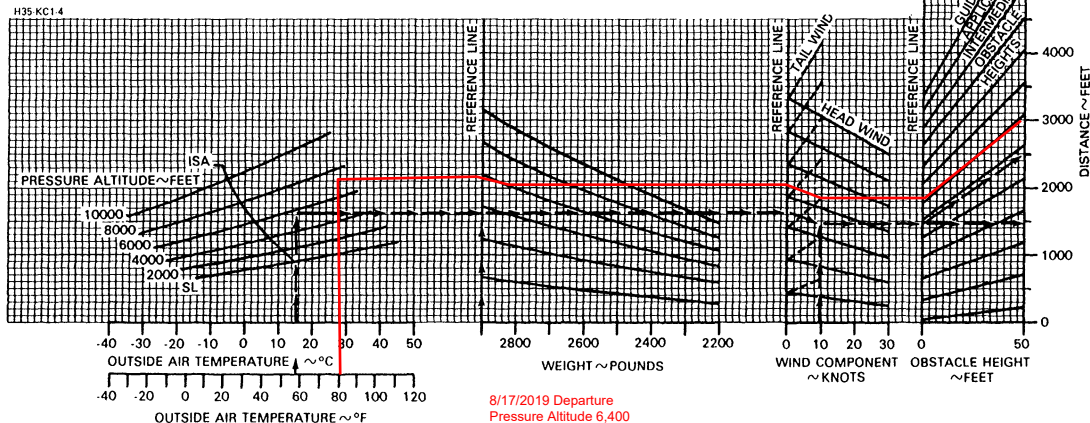
POWER FULL THROTTLE
MIXTURE 2600 RPM
FLAPS RICH
LANDING GEAR UP
COWL FLAPS RETRACT AFTER POSITIVE CLIMB ESTABLISHED
OPEN

WEIGHT ~ POUNDS	TAKE OFF IAS			
	LIFT-OFF		50 FT	
	KNOTS	MPH	KNOTS	MPH
2900	68	78	75	86
2800	67	77	73	84
2600	64	74	71	82
2400	62	71	68	78
2200	59	68	65	75

EXAMPLE

OAT 15°C (59°F)
PRESSURE ALTITUDE 5650 FT
TAKE-OFF WEIGHT 2900 LBS
HEAD WIND COMP. 9.5 KNOTS

GROUND ROLL 1480 FT
TOTAL DISTANCE OVER A 50 FT OBSTACLE 2500 FT
TAKE-OFF SPEED AT LIFT-OFF 68 KNOTS (78 MPH)
50 FT 75 KNOTS (86 MPH)



8/17/2019 Departure
Pressure Altitude 6,400
Temp 80F
T/O weight ~2,800
~10-20kt qtr head wind
Ground roll 1,900'
50' obstacle 2,900' rwy required
KSRR rwy 30 length 6,309' I assume 50' obstacle for extra safety. I had double required.

January 1976

5-17

ASSOCIATED CONDITIONS

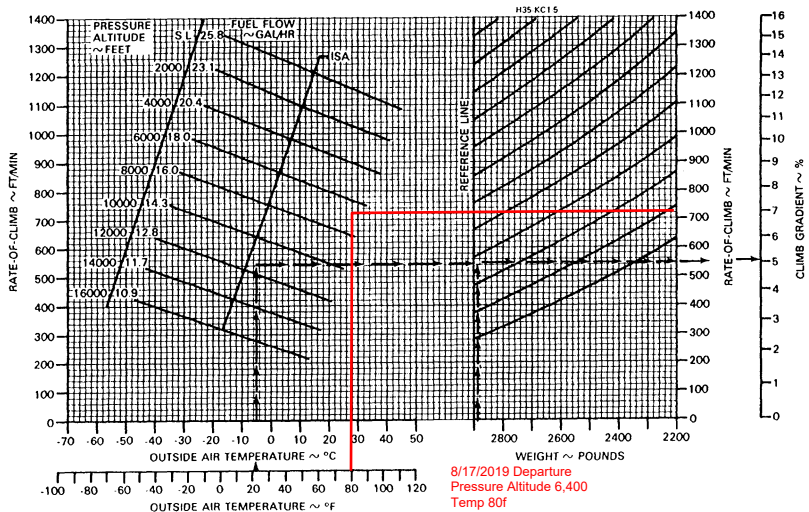
POWER FULL THROTTLE
AT 2600 RPM
MIXTURE RICH
FLAPS UP
LANDING GEAR UP
COWL FLAPS AS REQUIRED

CLIMB

CLIMB SPEED 91 KNOTS IAS (105 MPH)
ALL WEIGHTS

EXAMPLE:

OAT	-5°C (23°F)
PRESSURE ALTITUDE	11500 FT
WEIGHT	2886 LBS
RATE-OF-CLIMB	550 FT/MIN
CLIMB GRADIENT	5.1%
CLIMB SPEED	90 KNOTS (104 MPH)



BEECHCRAFT
Bonanza H35

Section V
Performance