

BEFORE TAKEOFF

Master switch ON
Flight instruments check
Fuel selector proper tank
Electric fuel pump ON
Engine gauges check
Alternate air CLOSED
Seat backs erect
Mixture set
Prop set
Belts/harness fastened
Empty seats seat belts
snugly fastened
Flaps set
Trim tab set
Controls free
Doors latched
Air conditioner OFF
Parking brake release

TAKEOFF

NORMAL

Flaps set
Tab set
Accelerate to 52 to 65 KIAS Control wheel back
pressure to rotate to climb attitude

SHORT FIELD, OBSTACLE CLEARANCE

Flaps 25° (second notch)
Accelerate to 40 to 53 KIAS depending on aircraft
weight
Control wheel back pressure to
rotate to climb attitude
After breaking ground, accelerate to 52 to 58 KIAS
depending on aircraft weight
Gear (OVERRIDE ENGAGED on aircraft
equipped with backup gear extender) UP
Accelerate to best flaps up angle of climb speed - 87
KIAS, slowly retract the flaps and climb past the
obstacle.
Accelerate to best flaps up rate of climb speed - 92
KIAS

SOFT FIELD

Flaps 25° (second notch)
Accelerate to 40 to 53 KIAS depending on aircraft
weight
Control wheel back pressure to
rotate to climb attitude
After breaking ground, accelerate to 52 to 58 KIAS
depending on aircraft weight
Gear (OVERRIDE ENGAGED on aircraft
equipped with backup gear extender) UP
Accelerate to best flaps up rate of climb speed 92
KIAS
Flaps retract slowly

CLIMB

Best rate (3600 lb) (gear up)
(flaps up) 92 KIAS
Best rate (3600 lb) (gear down)
(flaps up) 87 KIAS
Best angle (3600 lb) (gear up)
(flaps up) 87 KIAS
Best angle (3600 lb) (gear down)
(flaps up) 68 KIAS
En route 104 KIAS
Electric fuel pump OFF at
desired altitude

CRUISING

Reference performance charts, Avco-Lycoming
Operator's Manual and power setting table.
Normal max power 75%
Power set per power table
Mixture adjust