

KA300

Airspeed limitations

40	Minimum for Reverse
86	VMCA
92	VMCA (Flaps Up)
115	Vsse
122	Vyse/Vx
140	Minimum in sustained icing flight
157	VFE
163	VLO (Retraction)
170	VB (Turbulence Penetration)
181	Va/Vlo
200	VFE (Approach)
226	Max. Windshield de-icing
259	VMO (Below 24,000 ft)
0.58	MMO (Above 24,000ft)

Torque Limits

0 - 100	(W/in prop range of 1000-1700 rpm)
156%	Max transient (20 Sec)
96%	Max. TQ, props above 1700 RPM

Turbine Tach (N1 speed) limits

62%	Min. Low Idle
104%	Max.
104%	Max. Transient

ITT limits

750	Max. low idle
760°C	Max. reverse
785°C	Rec. Cruise climb
820	TO/Max Cont/Max Cruise
850	Transient (20 sec)
1000°C	Max. transient starting (5 sec)

Oil temperature limits

-40 - 110	Starting, Low idle
0 - 99	Normal
110	Max
99- 110	Max transient (10 Min.)
55	Rcmd for fuel heater ops at T/O

Oil Pressure limits (psi)

60	Minimum low idle
60- 90	Caution Range (TQ limited to 62%)
90- 135	Normal operating
200	MAX Starting

DC power limitations

75% Max.	(62% -- 70%)
100% Max.	(Below 34,000ft)
95% Max.	(Above 34,000ft)
27.5 – 29	Normal VDC

Props (N2 rpm) limits

1050	Minimum Idle
1450- 1700	Normal op range
1650	Max. Reverse
1700	Max.
1870	Transient (5 sec)
400- 1050	Avoid during grnd ops

Weight limits (Normal Operations)

<u>KA300</u>	
15,100	Max. ramp weight
15,000	Max Takeoff Weight
14,000	Max Landing Weight
11,500	Max. zero fuel wt
550	Max. baggage compartment wt

Rudder Boost & AF Must be operational

Yaw Damp System

18,500	Max Alt Inop (Dual Strakes)
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Brake de-ice limitations

1. Don't use Above 15°C or more
Than 10 min w/wheels retracted

Fuel system limits

300	Max. Imbalance
265	Min. in each main for takeoff
539	gal Max usable fuel quantity

Starter limitations

30 sec.	On	<u>5 min.</u>	Off;
30 sec.	On	<u>5 min.</u>	Off;
30 sec.	On	<u>30 min.</u>	Off;

Propeller de-ice ammeter limits

26 – 32	Normal Range
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Cabin altimeter and differential limits

0- 6.6	psid
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Pneumatic pressure limits

12 - 20	Norm Operating Range
20 psi	Max

ENGINE FIRE START OR GROUND OPS

1 PROP levers	FEATHER
2 CONDITION levers	FUEL CUTOFF
3 Firewall fuel valve	Closed
4 Extinguisher switch	Activate
5 MASTER SWITCH	OFF (gang bar dwn)

ENGINE FAILURE DURING T/O ≤ v1 (ABORTED)

1 POWER levers	GROUND FINE
2 Braking	As required
If insufficient runway remains for stopping	
3 CONDITION levers	FUEL CUTOFF
4 Firewall fuel valve	Close
5 MASTER SWITCH	OFF (gang bar down)

ENGINE FAILURE T/O CONTINUED

1 POWER	Max allowable
2 LDG GEAR CONTROL handle	UP
3 Airspeed	Maintain V2 to 400'
4 Propeller (dead engine)	Verify Feathered
5 FLAPS (Vyse)	UP

ENG FAILURE DURING FLIGHT

1 AP/YD	Disengage
2 POWER	As required
3 Dead engine	Identify
4 PROP LEVER (dead engine)	FEATHER

ENG FIRE IN FLIGHT

1 POWER lever (aff. engine)	IDLE
2 PROP LEVER (aff. engine)	FEATHER
3 CONDITION lever	FUEL CUTOFF
4 Firewall fuel valve	Closed
5 Extinguisher switch	Activate

ENG FAIL IN FLIGHT below VMC

- 1 Reduce power on operative eng as req. for control
- 2 Lower nose to accelerate above Vmca

ENGINE FAILURE (Second Engine)

1 Airspeed	As req (134 KIAS min)
2 POWER levers	IDLE
3 PROP lever	As required

FUSELAGE FIRE

- 1 Fight the Fire
If fire continues:
- 2 Land as soon as possible.

WING FIRE

- 1 Perform ENG SHUTDOWN IN FLIGHT on aff. Side
- 2 Land as soon as possible.

ELECTRICAL SMOKE OR FIRE

1 Oxygen masks	Don
2 Oxygen masks selector switch	Rotate to EMER pos
3 MIC switches	OXYGEN MASK

ENVIRO SMOKE OR FUMES

1 Oxygen masks	Don
2 Oxygen masks selector switch	Rotate to EMER pos

LOSS OF PRESSURIZATION (ALT WARN)

1 Crew oxygen masks	Don
2 MIC switches	OXYGEN MASK
3 Passenger oxygen	On

MAXIMUM GLIDE

1 LDG GEAR CONTROL	UP
2 FLAPS	UP
3 PROP levers	FEATHER
4 Airspeed	134 KIAS

ENGINE FAILURE ON FINAL

1 POWER	As required
2 Landing gear	Recheck down

SINGLE ENGINE GO-AROUND

1 POWER	Max allowable
2 LDG GEAR CONTROL	UP
3 FLAPS	UP
4 Airspeed	Vyse

PROP FAILURE (OVER 1768)

1 POWER lever	IDLE
2 PROP lever	FEATHER

DUAL GEN FAILURE

1 INSTR EMER LIGHTS	ON
2 GEN switches	GEN RESET then ON

EMER DESCENT

POWER levers	IDLE
PROP levers	HIGH IDLE
FLAPS (200KIAS max)	APPROACH
LDG GEAR CONT handle	DN
Airspeed	181 KIAS max