

### Boeing 747 LCF 400 Limitations

Jet-B Freeze	-65	C
Jet-A1 Freeze	-47	C
JP-5 Freeze	-46	C
Jet-A Freeze	-40	C
Diff TO & LDG	.11	PSI
<b>Turb Air Penetration .82 -</b>	<b>.85</b>	<b>M</b>
Minimum Glideslope Angle	2.5	DEG
Flight Maneuvering Load Flaps Down	+2.0 - 0	G
Flight Maneuvering Load Flaps Up	+2.5 - 1.0	G
Glideslope Angle	3.25	DEG
Diff Cabin	9.4	PSI
<b>Min Icing Temperatue or Below OAT/TAT</b>	<b>10</b>	<b>C</b>
<b>Tailwind TO &amp; LDG</b>	<b>10</b>	<b>KTS</b>
Do Not Use Frequencies	11.133	MHZ
Autoland Tailwind	15	KTS
Min Oil Quantity Before Start	18	QTS
Do Not Use Frequencies	22.434	MHZ
Do Not Use Frequencies	22.683	MHZ
Do Not Use Frequencies	22.766	MHZ
Autoland Crosswind	25	KTS
Autoland Headwind	25	KTS
<b>Crosswind TO &amp; LDG F not limiting</b>	<b>30</b>	<b>KTS</b>
<b>Crosswind TO &amp; LDG LCF not limiting</b>	<b>32</b>	<b>KTS</b>
Diff CPT / FO ALT RVSM 0-5000'	35	FT
Diff CPT / FO ALT RVSM 10,000'	40	FT
Door Operating Wind	40	KTS
Jet-B JP-4 Tank Temp	43	F
Jet-A Jet A-1 JP-5 JP-8 Tank Temp	54	F
Door Opened Wind	65	KTS
Min Oil Press	70	PSI
N2	105.5	RPM
N1	111.4	RPM
OIL Temp	163	C
OIL Temp 20 MinuteLimit	177	C
Diff CPT / FO ALT RVSM	200	FT
Tire Speed	204	KTS
<b>Turb Air Penetration 290 -</b>	<b>310</b>	<b>KTS</b>
EGT Starting Ground - LCF	535	C
EGT Max Flight - LCF	625	C
EGT Max Takeoff 5 Minutes - LCF	650	C
EGT Starting Flight - LCF	650	C
EGT Starting Flight - F	750	C
EGT Starting Ground - F	750	C
<b>Minimum Brake Accumulator Precharge</b>	<b>750</b>	<b>PSI</b>
<b>Minimum Supernumerary O2 Pressure</b>	<b>850</b>	<b>PSI</b>
EGT Transient 40 Seconds - F	870	C

EGT MAX Flight - F	925	C
EGT MAX Takeoff - F	960	C
<b>Minimum Crew O2 Pressure</b>	<b>1300</b>	<b>PSI</b>
TO & LDG LCF	7,300	FT
Fuel Reserve Max per side LCF per side LCF 4,553	9,106	LBS
TO & LDG F	10,000	FT
Fuel Reserve Max per side 8,589	17,178	LBS
<b>Altitude Operating - LCF</b>	<b>43,100</b>	<b>FT</b>
Fuel Main 1 and 4 Main Max per side LCF 21,900	43,800	LBS
<b>Altitude Operating - F</b>	<b>45100</b>	<b>FT</b>
Fuel Main 1 and 4 Main Max per side 30,029.5	60,059	LBS
Fuel Limit CWT LCF with Loaded SME 1000-1265	110,000	LBS
Fuel CWT Max	114,999	LBS
Fuel Main 2 and 3 Main Max per side 84,058	168,116	LBS
Fuel Main 2 and 3 Main Max per side LCF 84,058	168,116	LBS
Fuel Total Capacity LCF	333,030	LBS
Fuel Total Capacity	360,889	LBS
Minimum Inflight Wt. F	367,500	LBS
Minimum Inflight Wt	414,800	LBS
<b>ZFW - LCF</b>	<b>535,000</b>	<b>LBS</b>
<b>Landing Wt - LCF</b>	<b>575,000</b>	<b>LBS</b>
ZFW - F	610,000	LBS
Landing Wt - F	652,000	LBS
Inflight Ldg Flaps 30 - LCF - F	670,000	LBS
<b>Takeoff - LCF</b>	<b>800,000</b>	<b>LBS</b>
<b>Taxi - LCF</b>	<b>803,000</b>	<b>LBS</b>
Takeoff - F	870,000	LBS
Taxi - F	873,000	LBS