

### Boeing 747 LCF 400 Limitations

<b>Altitude Operating - LCF</b>	<b>43,100</b>	<b>FT</b>
<b>Altitude Operating - F</b>	<b>45100</b>	<b>FT</b>
Autoland Crosswind	25	KTS
Autoland Headwind	25	KTS
Autoland Tailwind	15	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 Cabin	9.4	PSI
Diff CPT / FO ALT RVSM	200	FT
Diff CPT / FO ALT RVSM 0-5000'	35	FT
Diff CPT / FO ALT RVSM 10,000'	40	FT
Diff TO & LDG	.11	PSI
Do Not Use Frequencies	11.133	MHZ
Do Not Use Frequencies	22.434	MHZ
Do Not Use Frequencies	22.683	MHZ
Do Not Use Frequencies	22.766	MHZ
Door Opened Wind	65	KTS
Door Operating Wind	40	KTS
EGT MAX Flight - F	925	C
EGT Max Flight - LCF	625	C
EGT MAX Takeoff - F	960	C
EGT Max Takeoff 5 Minutes - LCF	650	C
EGT Starting Flight - F	750	C
EGT Starting Flight - LCF	650	C
EGT Starting Ground - F	750	C
EGT Starting Ground - LCF	535	C
EGT Transient 40 Seconds - F	870	C
Flight Maneuvering Load Flaps Down	+2.0 - 0	G
Flight Maneuvering Load Flaps Up	+2.5 - 1.0	G
Fuel CWT Max	114,999	LBS
Fuel Limit CWT LCF with Loaded SME 1000-1265	110,000	LBS
Fuel Main 1 and 4 Main Max per side 30,029.5	60,059	LBS
Fuel Main 1 and 4 Main Max per side LCF 21,900	43,800	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 Reserve Max per side 8,589	17,178	LBS
Fuel Reserve Max per side LCF per side LCF 4,553	9,106	LBS
Fuel Total Capacity	360,889	LBS
Fuel Total Capacity LCF	333,030	LBS
Glideslope Angle	3.25	DEG
Inflight Ldg Flaps 30 - LCF - F	670,000	LBS
Jet-A Freeze	-40	C
Jet-A Jet A-1 JP-5 JP-8 Tank Temp	54	F
Jet-A1 Freeze	-47	C
Jet-B Freeze	-65	C
Jet-B JP-4 Tank Temp	43	F

JP-5 Freeze	-46	C
Landing Wt - F	652,000	LBS
<b>Landing Wt - LCF</b>	<b>575,000</b>	<b>LBS</b>
<b>Min Icing Temperatue or Below OAT/TAT</b>	<b>10</b>	<b>C</b>
Min Oil Press	70	PSI
Min Oil Quantity Before Start	18	QTS
<b>Minimum Brake Accumulator Precharge</b>	<b>750</b>	<b>PSI</b>
<b>Minimum Crew O2 Pressure</b>	<b>1300</b>	<b>PSI</b>
Minimum Glideslope Angle	2.5	DEG
Minimum Inflight Wt	414,800	LBS
Minimum Inflight Wt. F	367,500	LBS
<b>Minimum Supernumerary O2 Pressure</b>	<b>850</b>	<b>PSI</b>
N1	111.4	RPM
N2	105.5	RPM
OIL Temp	163	C
OIL Temp 20 MinuteLimit	177	C
<b>Tailwind TO &amp; LDG</b>	<b>10</b>	<b>KTS</b>
Takeoff - F	870,000	LBS
<b>Takeoff - LCF</b>	<b>800,000</b>	<b>LBS</b>
Taxi - F	873,000	LBS
<b>Taxi - LCF</b>	<b>803,000</b>	<b>LBS</b>
Tire Speed	204	KTS
TO & LDG F	10,000	FT
TO & LDG LCF	7,300	FT
<b>Turb Air Penetration .82 -</b>	<b>.85</b>	<b>M</b>
<b>Turb Air Penetration 290 -</b>	<b>310</b>	<b>KTS</b>
ZFW - F	610,000	LBS
<b>ZFW - LCF</b>	<b>535,000</b>	<b>LBS</b>