TABLE 34M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 737-200 SERIES) JT8D-15 ENGINE, 25' FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	47.4	44.4	42.0	39.3	36.9	35.0
12	47.3	44.2	42.0	39.3	36.9	35.0
14	47.2	44.0	42.0	39.3	36.9	35.0
16	47.1	43.8	42.0	39.3	36.9	35.0
18	47.0	43.6	42.0	39.3	36.9	35.0
20	45.R	44.2	42.1	39.5	36.9	34.5
22	45.8	44.0	41.7	39.2	36.6	34.3
24	45.R	43.8	41.4	38.8	36.3	34.1
26	45.6	43.4	41.0	38.4	36.0	33.9
28	45.4	43.1	40.5	38.0	35.6	33.6
30	45.1	42.6	40.1	37.6	35.3	33.3
32	44.7	42.1	39.5	37.1	34.8	32.9
34	44.2	41.6	39.0	36.6	34.4	32.6
36	43.7	41.1)	38.4	36.0	33.9	32.2
38	43.0	40.3	37.8	35.5	33.5	31.7
40	42.3	39.6	37.1	34.9	33.0	31.3
42	41.4	311.R	36.4	34.3	32.4	30.8
44	40.5	37.9	35.7	33.7	31.9	30.7

REFERENCE FACTOR "R"

TEMP °C	AIRPORT RLRVATION (METERS) 0	500	1000	1500	2000	2500
10	43.5	46.0	53.1	6n.3	68.2	77.2
12	43.7	46.3	53.2	60.3	68.3	77.4
14	43.9	46.6	53.4	60.5	68.6	77.u
16	44.1	47.0	53.7	60.8	69.0	78.4
18	44.3	47.3	54.1	61.3	69.5	79.1
20	44.5	48.4	54.7	61.9	70.2	79.9
22	44.7	49.0	55.3	62.6	71.0	80.9
24	44.9	49.7	56.1	63.4	72.0	82.0
26	45.3	50.5	57.0	64.4	73.1	83.2
28	45.7	51.4	57.9	65.5	74.4	04.6
30	46.6	52.4	59.0	66.8	75.7	86.1
32	47.6	53.5	60.3	68.1	77.3	67.5
34	48.6	54.6	61.6	69.7	79.0	89.6
36	49.7	55.9	63.0	71.3	80.8	91.6
38	50.9	57.2	64.6	73.1	82.7	93.6
40	52.1	56.6	66.2	75.0	84.8	95.9
42	53.4	60.2	68.0	77.0	87.1	98.3
44	54.8	61.8	69.9	79.1	89.4	100.3

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 40	50	60	70	80	90	100
32	700	435	960	1080	1295	1345	1500
34	750	910	1060	1205	1360	1535	1735
36	810	995	1170	1340	1525	1739	1970
30	880	1090	1290	1490	1700	1930	2200
40	955	1195	1420	1650	1885	2140	2425
42	1045	1310	1565	1820	2075	2350	2645
44	1140	1435	1720	2000	2280	2570	2865
46	1245	1570	1885	219s	249.5	2790	3085
48	1360	1710	2060	2395	2720	3020	3295
50	1480	1865	2245	2615	2955	3255	3505
52	1615	2030	2445	2840	3195	3495	

TABLE 35M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 737-200 SERIES)
JT8D-15 ENGINE, 15" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP	AIRPORT ELEVATION (METERS)					
°C	0	so	1000	1500	2000	2500
[illegible]	49.9	46.9	44.3	41.5	39.0	36.7
12	49.A	46.7	44.3	41.5	39.0	3b.7
14	49.7	46.5	44.3	41.1	39.0	3b.7
16	49.6	46.3	44.3	41.5	39.0	36.7
18	49.5	46.1	44.3	41.5	39.0	M.7
29	40.3	46.6	44.3	41.5	38.8	M.4
22	48.3	46.4	43.9	41.2	39.s	36.1
24	48.2	46.0	43.6	40.9	38.3	3s.9
26	40.n	45.7	43.1	40.5	38.0	35.6
28	47.1)	45.3	42.7	40.1	37.6	35.2
30	47.4	44.1)	42.2	39.7	37.2	34.9
32	47.0	44.3	41.7	39.2	36.8	34.5
34	46.5	43.7	41.1	35.7	36.4	34.1
36	45.9	43.1	40.5	38.1	35.8	33.6
38	45.3	42.4	39.9	37.5	35.3	33.1
40	44.11	41.7	39.2	3h.0	34.7	32.6
42	43.7	40.9	36.4	36.2	34.1	32.1
44	42.9	40.1	37.7	35.4	33.4	31.6

REFERENCE FACTOR "R"

TEMP	AIRPORT ELEVATION (METERS)					
°C	0	sno	1000	1500	2000	2500
10	46.0	4n.5	Sb.2	63.6	71.8	81.2
12	46.3	41.9	56.3	b3.7	71.9	81.4
14	46.6	49.4	56.6	64.0	72.2	81.8
16	46.9	49.8	56.9	64.3	72.7	02.3
18	47.2	sn.3	57.4	b4.A	13.3	83.0
20	47.5	51.0	s7.9	65.5	74.0	13.9
22	47.0	51.7	58.6	66.2	74.9	84.9
24	411.1	52.5	59.4	67.1	75.9	86.1
26	48.4	s3.3	60.3	68.1	77.1	87.4
28	48.7	54.3	61.3	69.3	78.4	88.9
30	49.1	55.3	62.4	70.5	79.9	90.S
32	50.2	56.4	153.7	72.0	81.5	02.3
34	51.4	s7.7	65.0	73.s	113.2	94.3
36	52.6	ss.9	66.1	75.2	85.1	96.4
38	53.8	60.3	68.0	77.0	117.2	98.7
40	55.1	61.A	b9.7	73.9	89.4	101.2
42	56.5	b3.4	71.5	80.9	91.7	103.8
44	s7.q	6S.0	73.4	83.1	94.2	106.5

RUNWAY LENGTH (METERS)

WEIGHT	REFERENCE FACTOR "R"						
1000 KG	45	55	65	7s	85	9s	105
32	735	895	1035	1165	1295	1425	1570
34	815	985	1145	1300	1460	1630	1815
36	895	inns	1265	1445	1635	1840	2060
38	985	1190	1395	1600	1820	2050	2305
	1080	1310	1540	1770	2010	2270	2545
a:	1180	1440	1695	1950	2215	2490	2780
44	1285	1575	1860	2145	2425	2715	3010
46	1395	1725	2040	2350	2650	2945	3240
48	1510	1885	2235	2565	2880	3190	3465
50	1630	2050	243s	2795	3120	3415	3690
52	1760	2230	2655	3035	3370	3660	

TABLE 36M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 737-200 SERIES)
JT8D-15 ENGINE, 5' FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP	AIRPORT ELEVATION (METERS)					
°C	0	500	1000	1500	2000	2500
10	52.4	52.4	49.4	46.4	43.5	41.0
12	52.4	52.4	49.4	46.4	43.5	41.0
14	52.4	52.4	49.4	6h.h	43.5	41.0
16	52.4	52.4	49.4	46.4	43.5	41.0
18	52.4	52.4	49.4	46.4	43.5	41.0
20	52.4	52.1	49.3	46.3	43.3	40.7
22	52.4	51.8	48.9	45.9	43.0	40.4
24	52.4	51.2	48.3	45.4	42.5	36.9
26	52.4	so. 5	47.7	44.8	42.6	39.4
28	52.4	49.9	47.1	44.2	41.5	39.0
30	51.9	49.3	46.5	43.7	40.9	3A.S
32	51.3	4rl.7	45.9	43.1	40.4	38.0
34	50.8	48.0	45.3	42.5	33.9	37.6
36	50.2	47.4	44.7	b?.0	39.4	37.1
38	49.4	46.8	44.0	41.4	38.9	3h.h
40	49.n	46.2	43.4	43.0	38.4	3h.2
42	48.5	45.5	42.8	40.3	37.9	35.7
44	47.9	hh.9	42.2	39.7	37.4	35.2

REFERENCE FACTOR "R"

TEMP	AIRPORT ELEVATION (METERS)					
°C	0	500	1000	1500	2000	2500
10	48.0	50.5	58.8	66.7	75.5	85.9
12	48.1	50.9	59.0	66.9	75.7	96.0
14	bn.2	51.4	59.2	b7.2	76.1	86.4
16	48.3	51.8	59.6	67.6	76.6	37.n
18	48.4	52.3	60.1	68.1	77.2	97.7
20	bR.5	53.5	hn.9	68.8	78.0	88.6
22	48.6	54.3	61.5	hQ.7	7q.n	89.6
24	48.7	55.1	62.4	70.7	80.1	90.9
26	49.6	56.0	b3.3	71.9	81.4	92.3
28	50.6	57.0	6h.b	73.0	82.8	93.9
30	51.7	58.1	65.6	74.4	84.3	95.6
32	52.9	59.3	67.n	75.3	86.0	97.5
34	54.1	60.6	68.4	77.5	77.9	99.6
36	55.3	62.0	7n.n	79.3	c9.9	101.9
38	56.6	63.5	71.7	Cl.2	92.1	lob.7
40	58.0	65.0	73.5	93.3	94.4	106.9
42	59.4	66.7	75.4	8S.b	96.9	109.7
44	60.9	68.5	77.4	97.8	99.5	112.7

RUNWAY LENGTH (METERS)

WEIGHT	REFERENCE FACTOR "R"						
1000 KG	50	60	70	80	90	100	110
32	805	960	1100	1225	1350	1435	1630
34	890	1060	1220	1370	1525	1695	1890
36	985	1170	1350	1525	1710	1915	2145
38	1085	1295	1495	1695	1905	2140	2400
40	1190	1425	1650	1880	2115	2370	2650
42	1305	1565	1820	2075	2335	2605	2900
44	1430	1720	2000	2280	2565	2850	3150
46	1560	1885	2195	2505	2805	3100	3400
48	1695	2055	2405	2740	3055	3355	3635
50	1840	2240	2625	2995	3320	3620	3875
52	1995	2435	2855	3245	3595	3935	4110

TABLE 37M. GENERAL CHARACTERISTICS (BOEING 747 SERIES) JT9D-7A ENGINE

TABLE 37 M. GENERAL CHARACTERISTICS (BOEING 747 SERIFS) JT9D-7A ENGINE

AIRPLANE CHARACTERISTICS	UNIT OF MEASURE	-100 BASIC	-100 MODIFIED	-200B	-200C PASS.	-2cJoc CARGO	-200F
MAXIMUM TAKEOFF WEIGHT	KG	332,963	333,396	356,076	356,076	356,076	356,076
MAXIMUM LANDING WEIGHT	KG	255,830	255,830	255,830	285,768	285,768	285,768
TYPICAL OPERATING EMPTY WEIGHT PLUS RESERVE FUEL 1/	K G	174,954 182,619	175,044 182,710	179,580 187,790	185,023 193,234	175,135 183,572	167,966 176,632
AVERAGE FUEL GONSUMPTION	KG/KM	12.69	12.69	13.25	13.25	13.81	14.38
TYPICAL MAXIMUM PASSENGER LOAD @ 90.7KG/PASSENGER	KG	34,927 37,740 45,360	34,927 37,740 45,360	34,927 37,740 45,360	34,927 37,740 45,360	— — —	— — —
MAXIMUM STRUCTURAL PAYLOAD	KG	76,477	76,386	72,894	96,254	106,641	114,761
ENGINE INJECTION WATER	KG	2,273	2,273	2,654	2,654	2,654	2,654

1/ All values on the top line are based on 1.25 hours of reserve fuel. Allvalues onthebottom line are based on 2.00 hours of reserve fuel. The 2.00 hour value should be used for operations, outside the 48 contiguous States, to an airport for which an alternate is not specified,

NOTE: This series of performance tables was developed around the wet thrust capability of the JT9D-7A engine; and for that reason, the weight of engine injection water should be added to the might no payload prior to adding the value for payload, Section 1, English Tables, par 2a(3)(e).

TABLE 38M. AIRCRAFT PERFORMANCE, LANDING (BOEING 747 SERIES)
JT9D-7A ENGINE, 30" FLAPS

MAXIMUM ALLOWABLE LANDING WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1506	1500	2000	2500
10	285.7	285.7	285.7	285.7	285.7	285.7	282.8
12	285.7	285.7	285.7	285.7	285.7	285.7	280.1
14	285.7	285.7	285.7	285.7	285.7	285.7	277.4
16	285.7	285.7	285.7	285.7	285.7	285.7	274.7
18	285.7	285.7	285.7	285.7	285.7	285.7	272.1
20	285.7	285.7	285.7	285.7	285.7	285.7	269.4
22	285.7	285.7	285.7	285.7	285.7	283.4	266.7
24	285.7	285.7	285.7	285.7	285.7	280.5	264.0
26	285.7	285.7	285.7	285.7	285.7	277.5	261.2
28	285.7	285.7	285.7	285.7	285.7	274.5	258.4
30	285.7	285.7	285.7	285.7	285.7	271.5	255.5
32	285.7	285.7	285.7	283.6	285.0	268.3	252.6
34	285.7	285.7	285.7	279.9	281.7	265.2	249.6
36	285.7	285.7	285.7	276.2	278.3	261.9	246.4
38	285.7	285.7	285.7	272.4	274.8	258.6	243.2
40	285.7	285.7	285.6	268.7	271.3	255.1	239.9
42	285.7	285.7	281.7	265.1	267.5	251.6	236.4
44	285.7	285.7	278.1	261.6	263.7	248.0	232.8

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
205	1915	1990	2070	2155	2245	2340
210	1950	2030	2115	2205	2295	2390
215	1990	2075	2160	2250	2340	2435
220	2030	2115	2205	2295	2385	2485
225	2065	2155	2245	2340	2430	2535
230	2105	2195	2290	2380	2480	2585
235	2145	2240	2330	2425	2525	2635
240	2180	2280	2375	2470	2575	2685
245	2220	2320	2415	2515	2625	2735
250	2260	2360	2455	2560	2670	2785
255	2300	2400	2500	2605	2720	2835
260	2340	2440	2545	2650	2765	2885
265	2380	2480	2585	2695	2810	2930
270	2420	2525	2630	2740	2860	2980
275	2465	2565	2675	2785	2905	3030
280	2505	2610	2720	2830	2955	3080
285	2545	2650	2760	2880	3000	3135
290	2585	2695	2805	2925	3050	3185

TABLE 39M. AIRCRAFT PERFORMANCE, LANDING (BOEING 747 SERIES)
JT9D-7A ENGINE, 25' FLAPS

MAXIMUM ALLOWABLE LANDING WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	1500	2000	2500
10	285.7	285.7	285.7	285.7	285.7	285.7	285.7
12	285.7	285.7	285.7	285.7	285.7	285.7	285.4
14	285.7	285.7	285.7	285.7	285.7	285.7	282.3
16	285.7	285.7	285.7	285.7	285.7	285.7	279.2
18	285.7	285.7	285.7	285.7	285.7	285.7	276.3
20	285.7	285.7	285.7	285.7	285.7	285.7	273.3
22	285.7	285.7	285.7	285.7	285.7	285.7	270.3
24	285.7	285.7	285.7	285.7	285.7	284.4	267.4
26	285.7	285.7	285.7	285.7	285.7	281.3	264.4
28	285.7	285.7	285.7	285.7	285.7	278.1	261.5
30	285.7	285.7	285.7	285.7	285.7	274.9	258.4
32	285.7	285.7	285.7	285.7	285.7	271.6	255.4
34	285.7	285.7	285.7	282.5	285.2	268.2	252.3
36	285.7	285.7	285.7	278.7	281.5	264.8	249.1
38	285.7	285.7	285.7	274.9	277.8	261.3	245.8
40	285.7	205.7	285.7	271.1	273.9	257.7	242.4
42	285.7	285.7	284.5	267.3	269.9	254.0	238.9
44	275.1	282.5	280.4	263.6	265.8	250.2	235.2

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
205	2030	2110	2195	2285	2375	2480
210	2075	2155	2245	2335	2425	2535
215	2120	2205	2290	2385	2485	2590
220	2165	2250	2340	2435	2540	2645
225	2210	2295	2390	2485	2595	2705
230	2255	2345	2440	2540	2650	2760
235	2300	2390	2485	2590	2705	2820
240	2345	2435	2535	2645	2760	2880
245	2390	2480	2585	2695	2815	2935
250	2435	2530	2635	2750	2870	2995
255	2475	2580	2685	2800	2925	3055
260	2525	2630	2740	2855	2980	3115
265	2575	2680	2790	2910	3035	3170
270	2630	2735	2845	2960	3090	3230
275	2680	2785	2895	3015	3145	3290
280	2725	2835	2950	3070	3200	3345
285	2770	2885	3000	3125	3255	3405
290	2810	2930	3050	3175	3315	3460

TABLE 40M. AIRCRAFT- PERFORMANCE, TAKEOFF (BOEING 747 SERIES)
JT9D-7A ENGINE, 20" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	356.0	343.6	328.8	313.6	297.7	282.6
12	356.0	343.6	328.8	313.6	297.7	282.6
14	356.0	343.6	328.8	313.6	297.7	282.4
lb	356.0	343.6	328.8	313.6	297.7	279.3
18	356.0	343.6	328.8	313.6	296.1	277.0
20	356.0	343.6	328.6	313.6	293.3	274.4
22	356.0	345.6	328.8	310.1	290.3	271.6
24	3Sb.0	343.6	327.5	306.6	287.1	268.7
26	356.0	343.6	323.4	303.0	283.8	265.6
28	356.0	340.7	319.4	299.3	280.4	262.5
30	356.0	336.4	315.4	295.6	276.9	259.2
32	353.9	332.1	311.5	291.9	273.1	256.0
34	349.s	320.0	307.6	288.3	270.9	252.7
36	345.3	324.0	303.8	284.7	266.6	249.5
38	341.1	320.1	500.0	281.1	263.2	246.5
40	337.0	316.1	296.3	277.6	259.9	243.2
42	332.7	312.1	292.7	274.3	256.8	240.3
44	328.3	308.1	209.1	271.1	253.9	237.4

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	60.5	67.1	74.3	02.7	92.5	104.4
12	61.0	47.6	74.9	83.3	93.2	105.0
14	61.5	68.1	75.5	03.9	93.9	105.8
16	61.9	68.6	76.0	84.6	94.7	106.7
18	62.4	69.1	76.6	85.3	94.8	109.3
20	62.0	b9.b	77.1	85.9	96.9	111.8
22	63.3	70.1	77.7	86.6	90.9	114.2
24	63.7	70.6	78.0	88.3	100.9	116.5
26	64.2	71.2	79.4	90.0	102.9	118.8
28	64.7	71.6	80.8	91.7	104.9	121.0
30	65.1	72.9	82.3	93.5	106.9	123.3
32	65.9	74.2	83.9	95.3	109.1	125.7
34	67.1	75.6	85.5	97.2	111.3	128.2
36	66.4	77.0	87.2	99.2	113.6	130.0
38	69.7	70.5	08.9	101.3	l16.1	133.7
40	71.1	80.1	90.8	103.6	110.8	
42	72.5	81.7	92.0	106.0		
44	14.0	03.5	94.9	108.5		

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 60	70	80	90	100	110	120	130	140
230	1260	1395	1545	1705	1880	2050	2220	2385	2530
240	1320	1495	1680	1865	2055	2245	2430	2615	2785
250	1400	1615	1825	2035	2250	2455	2660	2865	3065
2b0	1495	1740	1980	2220	2450	2685	2910	3140	3370
270	1605	1880	2150	2410	2670	2925	3185	5440	3700
280	1735	2035	2330	2620	2905	3190	3475	3760	4050
290	1875	2200	2520	2840	3155	3475	3790	4105	4420
500	2025	2375	2725	3075	3425	3775	4120	4465	4805
310	2190	2565	2945	3330	3715	4100	44%	4850	
320	2365	2765	3180	3600	4025	4450	4860		
330	2545	2975	3425	3890	4360	4820			
340	2735	3200	3690	4200	4715				
350	2930	3430	3975	4535	5095				
360	3135	3675	4270	4885					

TABLE 41M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 747 SERIES)
JT9D-7A ENGINE, 10" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	356.0	356.0	343.5	327.4	310.6	294.6
12	356.0	356.0	343.5	327.4	310.6	294.6
14	356.0	356.0	343.5	327.4	310.8	294.6
16	316.0	356.0	343.S	327.4	310.8	291.9
18	356.0	316.0	343.S	327.4	309.2	289.0
20	356.0	356.0	343.5	327.4	306.2	286.3
22	356.0	356.0	343.S	323.8	303.0	283.4
24	356.0	316.0	342.0	320.2	299.6	2m.2
26	356.0	356.0	338.0	316.4	296.1	277.0
28	356.0	356.0	333.9	312.1	292.4	273.6
30	356.0	352.0	329.7	308.6	288.7	270.1
32	356.0	347.5	321.5	304.6	284.9	266.6
34	356.0	343.0	321.3	300.6	281.2	263.1
36	356.0	338.6	317.1	296.7	277.5	259.7
38	356.0	334.2	313.0	292.6	273.9	256.3
40	351.8	329.9	309.0	289.1	270.1	2s3.1
42	347.4	325.7	305.1	28S.6	267.2	2S0.1
44	343.1	321.7	301.4	282.2	264.2	247.2

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	60.3	75.1	83.0	92.4	103.1	116.9
12	68.9	75.6	83.6	93.1	104.4	117.8
14	69.3	76.1	84.1	93.7	105.1	118.5
16	69.0	76.11	84.6	94.2	105.7	120.0
18	70.2	77.0	85.1	94.8	106.4	122.6
20	70.6	77.5	OS.6	95.3	108.4	125.1
22	70.9	78.0	86.0	96.5	110.4	127.7
24	71.3	78.4	86.7	98.4	112.6	130.4
26	71.8	78.9	88.4	100.3	115.0	133.2
28	72.2	79.9	90.1	102.4	117.4	136.0
30	72.7	81.4	91.9	104.5	119.9	130.9
32	73.6	03.0	93.1)	106.7	122.5	141.8
34	75.0	84.5	95.7	109.0	125.2	144.9
36	76.4	86.1	97.6	111.4	121.0	148.1
38	77.9	87.8	99.6	113.8	130.9	151.4
40	79.4	89.5	101.7	116.3	133.9	
42	81.1	91.2	103.7	118.9		
44	82.9	93.1	105.9	121.s		

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 60	70	80	90	100	110	120	130	140	150
2so	1355	1575	1790	1995	2195	2395	2590	2785	2975	3170
260	1455	1700	1935	2165	2390	2610	2830	3050	3265	3485
280	1565	1830	2090	2345	2595	2840	3085	3330	3575	3820
290	1685	1970	2255	2535	2815	3085	3360	3630	390s	4160
300		212s	2435	2745	3050	3350	3655	3955	4266	4565
310	1945	2290	2625	2965	3300	3635	3970	4305	4640	4975
	2090	2460	2830	3200	3570	3940	4310	4680	5050	
320	2245	2645	3050	3455	3860	4270	4680	5090		
330	2405	2840	3280	3725	4175	4625	5075			
340	2575	3050	3530	4015	4510	5005				
350	2750	3265	3790	4325	4865					
360	2930	349s	4070	4655						

TABLE 42M. AIRCRAFT PERFORMANCE, LANDING (BOEING 757-232 SERIES) PW 2037 ENGINE, 30" FLAPS

MAXIMUM ALLOWABLE LANDING WEIGHT (1,000 KG)

TEMP DEC C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	89.9	89.9	89.9	89.9	89.9	89.9
12	89.9	89.9	89.9	89.9	89.9	89.9
14	89.9	89.9	89.9	89.9	89.9	89.9
16	89.9	89.9	89.9	89.9	89.9	89.9
18	89.9	89.9	89.9	89.9	89.9	89.9
20	89.9	89.9	89.9	89.9	89.9	89.9
22	89.9	89.9	89.9	89.9	89.9	89.9
24	89.9	89.9	89.9	89.9	89.9	89.9
26	89.9	89.9	89.9	89.9	89.9	89.9
28	89.9	89.9	89.9	89.9	89.9	89.9
30	89.9	89.9	89.9	89.9	89.9	89.6
32	89.9	89.9	89.9	89.9	89.9	87.7
34	89.9	89.9	89.9	89.9	89.9	85.8
36	89.9	89.9	89.9	89.9	89.1	83.8
38	89.9	89.9	89.9	89.9	86.9	81.8
40	89.9	89.9	89.9	89.9	84.6	79.8
42	89.9	89.9	89.9	87.7	82.3	77.7
44	89.9	89.9	89.9	84.9	79.9	75.6

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
55	1019	1081	1130	1172	1217	1270
58	1112	1170	1220	1269	1321	1383
61	1188	1242	1294	1348	1406	1474
64	1249	1301	1355	1412	1476	1547
67	1298	1349	1404	1465	1532	1606
70	1338	1388	1445	1509	1579	1654
73	1372	1422	1481	1547	1619	1695
76	1402	1453	1514	1582	1655	1732
79	1431	1484	1547	1617	1692	1770
82	1463	1518	1583	1654	1731	1811
85	1498	1557	1624	1698	1776	1859
88	1542	1605	1674	1749	1831	1918
91	1595	1662	1734	1812	1897	1992

AIRPLANE CHARACTERISTICS	UNIT OF MEASURE	MODEL 757-200 RB211 535C	RB211 -535E4	PW 2037	RB211 -535C	RB211 -535E4
MAXIMUM DESIGN TAKEOFF WEIGHT	KILOGRAMS	99,700	99.700	104.300	108,800	108,800
MAXIMUM DESIGN LANDING WEIGHT	KILOGRAMS	89,800	89,800	89,800	89,800	89,800
TYPICAL OPERATING EMPTY WRIGHT PLUS RESERVE FUEL 1/	KILOGRAMS	64,913	66,138	63,448	64,093	64,608
AVERAGE FUEL CONSUMPTION 2/	KG/KM	4.7	4.7	4.7	4.7	4.7
TYPICAL MAXIMUM PASSENGER LOAD @ 200 POUNDS/PASSENGER	KILOGRAMS	16,874 MIXED (16 first class, 170 tourist) 19,777 ALL-ECONOMY (218 tourist)				
MAXIMUM STRUCTURAL PAYLOAD	KILOGRAMS	22,580	21.355	24,045	23,400	22,885

1/ Based on 1.25 hours of reserve fuel.
2/ Average of flight manual and U.S. Department of Transportation "Aircraft Operating Cost and

TABLE 43M. AIRCRAFT PERFORMANCE, LANDING (BOEING 757-232 SERIES)
PW 2037 ENGINE, 25' FLAPS

MAXIMUM ALLOWABLE LANDING WEIGHT (1,000 KG)

TEMP DEG C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	89.8	89.8	89.8	89.8	89.8	89.8
12	89.8	89.8	89.8	89.8	89.8	89.8
14	89.8	89.8	89.8	89.8	89.8	89.8
16	89.8	89.8	89.8	89.8	89.8	89.8
18	89.8	89.8	89.8	89.8	89.8	89.8
20	89.8	89.8	89.8	89.8	89.8	89.8
22	89.8	89.8	89.8	89.8	89.8	89.8
24	89.8	89.8	89.8	89.8	89.8	89.8
26	89.8	89.8	89.8	89.8	89.8	89.8
28	89.8	89.8	89.8	89.8	89.8	89.8
30	89.8	89.8	89.8	89.8	89.8	89.8
32	89.8	89.8	89.8	89.8	89.8	89.8
34	89.8	89.8	89.8	89.8	89.8	89.8
36	89.8	89.8	89.8	89.8	89.8	89.0
38	89.8	89.8	89.8	89.8	89.8	86.9
40	89.8	89.8	89.8	89.8	89.8	84.9
42	89.8	89.8	89.8	89.8	87.5	82.9
44	89.8	89.8	89.8	89.8	85.2	81.0

RUNWAY LENGTH (1,000 FEET)

WEIGHT 1000 POUND	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
125	3.65	3.72	3.79	3.85	3.92	3.98	4.05	4.11	4.18
130	3.89	3.96	4.04	4.12	4.21	4.30	4.39	4.49	4.60
135	4.08	4.17	4.26	4.35	4.45	4.56	4.67	4.80	4.94
140	4.24	4.33	4.43	4.54	4.65	4.77	4.90	5.04	5.20
145	4.37	4.48	4.58	4.69	4.81	4.94	5.08	5.24	5.41
150	4.49	4.60	4.71	4.83	4.95	5.09	5.23	5.39	5.56
155	4.60	4.71	4.82	4.95	5.08	5.22	5.36	5.52	5.69
160	4.70	4.81	4.93	5.06	5.19	5.33	5.48	5.64	5.81
165	4.80	4.92	5.04	5.17	5.30	5.45	5.60	5.76	5.92
170	4.92	5.03	5.16	5.29	5.43	5.57	5.72	5.88	6.04
175	5.04	5.16	5.29	5.42	5.57	5.71	5.87	6.03	6.20
180	5.19	5.32	5.44	5.58	5.73	5.88	6.04	6.22	6.39
185	5.37	5.50	5.63	5.77	5.92	6.09	6.26	6.45	6.65
190	5.59	5.72	5.86	6.00	6.16	6.33	6.53	6.74	6.97
195	5.85	5.98	6.13	6.28	6.45	6.64	6.85	7.10	7.38
200	6.15	6.30	6.45	6.61	6.79	7.00	7.25	7.54	7.89

TABLE 44M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 757-232 SERIES)
PW 2037 ENGINE, 20" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP DEG C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	108.9	108.9	108.9	108.9	98.5	95.6
12	108.9	108.9	108.9	107.2	97.8	94.0
14	108.9	108.9	108.9	105.2	96.9	92.5
16	108.9	108.9	108.9	103.3	96.0	91.1
18	108.9	108.9	108.1	101.5	94.9	89.6
20	108.9	108.9	105.5	99.7	93.7	88.2
22	108.9	107.6	103.2	98.0	92.4	86.7
24	108.5	105.3	101.2	96.4	91.0	85.3
26	106.5	103.2	99.3	94.7	89.5	83.8
28	104.6	101.4	97.5	93.0	87.9	82.3
30	103.0	99.8	95.9	91.3	86.2	80.7
32	101.5	98.3	94.2	89.5	84.4	79.1
34	100.0	96.7	92.5	87.7	82.6	77.5
36	98.6	95.2	90.8	85.8	80.7	75.7
38	97.1	93.4	88.9	83.8	78.7	73.9
40	95.6	91.5	86.8	81.7	76.6	72.0
42	93.8	89.4	84.5	79.4	74.5	70.0
44	91.9	86.8	82.8	77.0	72.3	67.8

REFERENCE FACTOR "R"

TEMP DEG C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	43.4	46.0	49.8	54.6	59.7	65.0
12	43.7	45.6	49.2	54.0	59.3	64.4
14	43.8	45.4	48.9	53.7	59.1	64.5
16	44.0	45.4	48.9	53.7	59.3	65.1
18	44.0	45.6	49.0	53.9	59.8	66.3
20	44.1	46.0	49.5	54.4	60.6	67.9
22	44.3	46.5	50.1	55.1	61.6	69.8
24	44.4	47.2	50.9	56.1	63.0	72.0
26	44.7	48.0	52.0	57.3	64.5	74.4
28	45.1	48.9	53.2	58.7	66.3	76.9
30	45.6	49.9	54.5	60.4	68.3	79.4
32	46.2	51.0	56.0	62.2	70.5	81.8
34	47.1	52.1	57.7	64.4	72.9	84.1
36	48.1	53.3	59.4	66.7	75.5	86.1
38	49.4	54.6	61.3	69.2	78.2	87.9
40	51.0	55.8	63.2	72.0	81.1	89.3
42	52.8	57.1	65.2	75.0	84.1	90.2
44	55.0	58.3	67.3	78.1	87.2	90.5

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 60	70	80	90	100	110	120	130	140
60	956	1082	1181	1263	1334	1404	1481	1574	1690
65	1088	1241	1390	1542	1703	1881	2084	2317	2589
70	1235	1416	1600	1792	1995	2214	2451	2712	2999
75	1397	1609	1824	2042	2266	2497	2735	2982	3239
80	1577	1823	2070	2319	2571	2826	3085	3351	3623
85	1773	2061	2351	2650	2963	3296	3654	4043	4469
90	1987	2324	2676	3063	3499	4004	4593	5284	
95	2220	2615	3057	3584	4234	5044			
100	2470	2936	3504	4242	5222				
105	2740	3290	4027	5064					
110	3029	3680	4637						

TABLE 45H. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 757-232 SERIES)
PW 2037 ENGINE, 15' FLAPS

MAXIMUM ALLOWABLE TAKEOFF WRIGHT (1000 KG)

TEMP DEG C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	108.9	108.9	108.9	108.9	106.5	101.2
12	108.9	108.9	108.9	108.9	105.4	99.8
14	108.9	108.9	108.9	108.9	104.2	98.3
16	108.9	108.9	108.9	108.9	103.0	96.8
18	108.9	108.9	108.9	108.0	101.6	95.3
20	108.9	108.9	108.9	106.4	100.2	93.8
22	108.9	108.9	108.9	104.7	96.7	92.3
24	108.9	108.9	107.7	103.0	97.1	90.8
26	108.9	108.9	106.1	101.2	95.4	09.2
28	108.9	108.1	104.4	99.4	93.7	87.6
30	108.9	106.7	102.6	97.5	91.8	85.9
32	108.4	105.1	loo.7	95.5	89.9	84.2
34	107.0	103.4	98.8	93.5	87.9	82.4
36	105.4	101.5	96.7	91.4	85.8	10.6
38	103.6	99.5	94.5	89.1	83.7	70.7
40	101.7	97.4	92.3	86.0	81.5	76.7
42	99.9	95.2	89.9	84.4	79.2	74.6
44	98.1	92.9	87.3	81.9	76.6	72.5

REFERENCE FACTOR "R"

TEMP DEG C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	46.6	49.3	51.7	54.1	56.6	60.1
12	46.8	49.2	51.7	54.8	58.8	64.2
14	47.0	49.3	52.0	55.6	60.6	67.8
16	47.2	49.4	52.3	56.4	62.3	70.0
18	47.4	49.7	52.8	57.3	64.0	73.4
20	47.6	50.1	53.5	58.4	65.6	75.7
22	47.9	50.6	54.2	59.5	67.1	77.7
24	48.2	51.2	55.2	60.0	68.8	79.6
26	48.6	51.9	56.2	62.2	70.5	81.5
28	49.1	52.7	57.4	63.8	72.3	83.4
30	49.7	53.7	58.8	65.5	74.3	85.5
32	50.4	54.8	60.3	67.4	76.4	87.8
34	51.2	56.0	62.0	69.5	70.8	90.5
36	52.1	57.4	63.8	71.7	81.5	93.6
38	53.2	58.9	65.7	74.2	84.5	97.2
40	54.4	60.5	67.8	76.0	87.9	101.5
42	55.8	62.3	70.1	79.7	91.6	106.5
44	57.4	64.3	72.5	02.8	95.8	112.3

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 60	70	80	90	100	110	120	130	140
60	961	1085	1195	1304	1424	1567	1743	1965	2245
65	1100	1257	1399	1538	1680	1836	2014	2223	2471
70	1249	1438	1615	1785	1955	2129	2313	2511	2731
75	1408	1631	1846	2053	2255	2453	2640	2841	3035
80	1582	1841	2098	2347	2588	2816	3029	3223	3397
a5	1771	2072	2375	2674	2960	3226	3464	3668	3828
90	1979	2326	2683	3038	3378	3690	3964	4185	4343
95	2207	2608	3027	3446	3040	4217	4536	4786	4952
100	2458	2922	3411	3904	4379	4815	5189		
105	2734	3271	3840	4417	4976	5490			
110	3038	3658	4320	4993					

TABLE 46M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 757-232 SERIES)
PW 2037 ENGINE, 5° FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP DEG C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	108.9	108.9	100.9	100.9	100.9	106.4
12	100.9	108.9	108.9	108.9	100.9	104.9
14	108.9	108.9	108.9	100.9	100.0	103.4
16	108.9	108.9	100.9	100.9	107.7	101.9
18	100.9	108.9	108.9	106.9	106.4	100.3
20	108.9	100.9	108.9	100.9	105.0	90.6
22	100.9	108.9	108.9	100.9	103.4	97.0
24	108.9	108.9	108.9	107.9	101.7	95.3
26	108.9	108.9	100.9	106.0	100.0	93.s
28	108.9	108.9	108.9	104.1	90.1	91.7
30	108.9	108.9	107.5	102.1	96.1	09.9
32	108.9	108.9	105.5	100.0	94.1	00.0
34	108.9	108.4	103.4	97.0	91.9	06.1
36	100.9	106.5	101.3	95.6	09.7	04.1
38	108.9	104.5	99.0	93.2	07.4	02.1
40	107.2	102.3	96.7	90.0	05.1	00.0
42	105.3	99.9	94.1	88.3	82.7	77.0
44	103.0	97.3	91.4	65.7	00.3	75.6

REFERENCE FACTOR "R"

TEMP DEG C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	52.1	54.0	58.2	62.7	60.5	76.1
12	52.2	54.7	50.2	62.9	69.1	77.0
14	52.3	54.8	58.3	63.2	69.0	78.2
16	52.4	54.9	50.6	63.7	70.6	79.6
10	52.6	55.2	59.0	64.4	71.7	01.2
20	52.0	55.6	59.6	65.3	72.9	02.9
22	53.1	56.2	60.4	66.3	74.4	04.9
24	53.5	56.0	61.4	67.6	76.0	07.2
26	53.9	57.6	62.5	69.1	78.0	89.6
28	54.5	58.6	63.0	70.8	00.1	92.4
30	55.1	59.7	65.4	72.0	02.6	95.3
32	56.0	61.0	67.1	75.0	05.3	90.5
34	56.9	62.4	69.0	77.5	00.3	102.0
36	50.0	64.0	71.2	00.2	91.6	105.0
38	59.3	65.7	73.6	83.3	95.2	109.9
40	60.7	67.7	76.2	86.6	99.1	114.2
42	62.4	69.8'	79.0	90.2	103.4	110.0
44	64.2	72.1	82.1	94.1	100.1	123.6

RUNWAY LENGTH (METERS)

WEIGHT 1000 Kc	REFERENCE FACTOR "R" 60	70	00	90	100	110	120	130	140
60	941	1087	1245	1401	1540	1640	1711	1715	1646
65	1093	1259	1418	1569	1711	1044	1966	2076	2173
70	1247	1438	1617	1786	1951	2114	2279	2451	2632
75	1409	1630	1643	2048	2249	2440	2646	2046	3051
80	1581	1838	2096	2350	2599	2837	3062	3271	3460
85	1769	2067	2377	2680	2990	3271	3522	3731	3888
90			2665	3056	3414	3742	4021	4234	4364
95	1975 2205	2319 2599	3022	3451	3064	4239	4554	4700	4917
100	2462	2912	3388	3068	4330	4754	5117		
105	2750	3261	3782	4301	4804	5276			
110	3074	3650	4207	4748					

TABLE 47M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 757-232 SERIES) PW 2037 ENGINE, 1" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1,000 KG)

TEMP DEG C	AIRPORT ELEVATION (METERS) 0	500	1000	-1500	2000	2500
10	108.9	108.9	108.9	108.9	108.9	108.9
12	108.9	108.9	108.9	108.9	108.9	108.9
14	108.9	108.9	108.9	108.9	**108.9**	108.2
16	108.9	108.9	108.9	108.9	108.9	106.7
18	108.9	108.9	108.9	108.9	108.9	105.0
20	108.9	108.9	108.9	108.9	108.9	103.4
22	108.9	108.9	108.9	108.9	108.4	101.6
24	108.9	108.9	108.9	108.9	106.5	99.8
26	108.9	108.9	108.9	108.9	104.5	97.9
28	108.9	108.9	108.9	108.9	102.5	96.0
30	108.9	108.9	108.9	106.8	100.5	94.1
32	108.9	108.9	108.9	104.8	98.4	92.1
34	108.9	108.9	108.6	102.6	96.3	90.0
36	108.9	108.9	106.4	100.4	94.1	88.0
38	108.9	108.9	104.2	98.1	91.8	85.9
40	108.9	107.4	191.7	95.6	89.6	**83.8**
42	108.9	104.9	99.0	93.1	87.2	81.7
44	108.0	102.0	96.1	90.4	84.9	79.6

REFERENCE FACTOR "R"

TEMP DEG C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	61.1	64.3	67.1	70.8	76.7	85.9
12	61.1	63.9	67.1	71.7	78.5	88.3
14	61.1	63.7	67.4	72.7	80.3	90.7
16	61.2	63.7	67.8	73.8	82.1	93.1
18	61.4	64.0	68.5	75.1	84.0	95.5
20	61.6	64.5	69.4	76.5	86.0	98.0
22	62.0	65.2	70.5	78.1	88.1	100.7
24	62.4	66.0	71.8	79.9	90.4	103.5
26	63.0	67.1	73.3	81.8	92.8	106.5
28	63.7	68.4	75.1	84.0	95.5	109.8
30	64.6	69.8	77.0	86.4	98.5	113.5
32	65.6	71.4	79.1	89.1	101.7	117.4
34	66.9	73.2	81.5	92.0	105.3	121.8
36	68.3	75.2	84.0	95.2	109.3	126.6
38	70.0	77.4	86.8	98.7	113.6	132.0
40	71.9	79.6	**89.7**	102.5	118.5	137.0
42	74.1	82.1	92.9	106.7	123.7	144.3
44	76.5	84.7	96.2	111.2	129.5	151.4

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 60	70	80	90	100	110	120	130	140
60	1051	1115	1210	1327	1452	1576	1685	1769	1817
65	1138	1276	1423	1575	1729	1882	2030	2169	2295
70	1255	1446	1636	1824	2008	2188	2363	2532	2693
75	1401	1632	1860	2083	2299	2508	2708	2896	3072
80	1575	1838	2102	2362	2615	2859	3088	3300	3491
85	**1774**	2069	2370	2671	2968	3254	**3527**	3780	4009
90	1996	2331	2673	3020	3367	3711	4048	4374	4685
95	2241	2628	3020	3418	3826	4244	4674	5119	
100	2506	2966	3418	3876	4355	4869			
105	2790	3349	3875	4403	4967				
110	3090	3783	4401	5010					

TABLE 51M. AIRCRAFT PERFORMANCE, LANDING (DC-g-30 SERIES)
JT8D-9 ENGINE, FULL FLAPS

MAXIMUM ALLOWABLE LANDING WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	44.9	44.9	44.9	43.4	40.8	38.4
12	44.9	44.9	44.9	42.9	40.3	37.9
14	44.9	44.9	44.9	42.3	39.8	37.4
16	44.9	44.9	44.9	42.3	39.3	37.4
18	44.9	44.9	44.9	42.3	39.9	37.4
20	44.9	44.9	44.9	42.3	39.a	37.4
22	44.9	44.9	44.9	42.3	39.8	37.4
24	44.9	44.9	44.9	42.3	39.8	37.4
26	44.9	44.9	44.9	42.3	39.8	37.4
28	44.9	44.9	44.9	42.3	39.8	37.4
30	44.9	44.9	44.2	41.6	39.1	36.7
32	44.9	44.9	43.5	41.0	38.5	36.2
34	44.9	44.9	42.9	40.3	37.9	35.6
36	44.9	44.8	42.2	39.7	37.3	35.0
38	44.9	44.1	41.5	39.0	36.7	34.4
40	44.9	43.3	40.8	3a.4	36.1	33.9
42	44.9	42.6	40.1	37.7	35.5	33.3
44	44.5	41.9	39.4	37.1	34.9	32.8

RUNWAY LENGTH (METERS)

WRIGHT 1000 KG	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
28	1115	1155	1200	1250	1300	1350
39	1175	1220	1265	1320	1375	1430
32	1235	1285	1335	1390	1450	1510
34	1295	1350	1405	1460	1520	1585
36	1355	1415	1470	1530	1595	1665
38	1415	1480	1540	1605	1670	1745
40	1490	1545	1610	1675	1745	1820
42	1540	1610	1675	1745	1820	1900
44	1605	1675	1745	1815	1895	1980
46	1665	1735	1810	1885	1970	2060

AIRPLANE CHARACTERISTICS	UNIT OF MEASURE	
MAXIMUM TAKEOFF WEIGHT	KG	48,989
MAXIMUM LANDING WEIGHT	KG	44,906
TYPICAL OPERATING EMPTY WEIGHT PLUS RESERVE FUEL	KG	29,414 1/ 31,589 2/
AVERAGE FUEL CONSUMPTION	KG/KM	4.79
TYPICAL MAXIMUM PASSENGER LOAD @ 90.7 KG/PASSENGER	KG	10,433
MAXIMUM STRUCTURAL PAYLOAD	KC	13,674

1/ Based on 1.25 hours of reserve Lwl.
2/ Based on 2.00 -s of reserve fwl.

TABLE 52M. AIRCRAFT PERFORMANCE, TAKEOFF (DC-g-30 SERIES)
JT8D-9 ENGINE, 15" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	390	low	1500	2ooo	2500
10	47.1	41.6	43.0	40.4	37.9	35.7
12	47.1	45.1	42.5	40.0	37.5	35.3
14	47.1	44.7	42.0	39.3	37.1	3b.9
16	47.1	44.4	41.6	39.3	36.9	34.7
18	47.1	44.4	41.6	39.3	36.9	34.7
20	47.1	44.4	41.6	39.3	36.9	34.7
22	47.1	44.4	41.6	39.3	36.9	34.7
24	47.1	44.4	41.6.	39.3	36.9	34.7
26	47.1	44.4	41.6	39.3	36.9	34.7
28	47.1	44.4	41.8	39.3	36.9	34.7
30	46.7	44.0	41.4	36.9	36.6	34.4
32	46.0	43.4	bOO.8	1.3	36.0	33.9
34	45.3	42.7	40.2	37.7	3S.S	33.4
36	44.6	42.0	39.5	37.2	34.9	32.6
38	43.9	41.4	39.9	36.6	34.4	32.3
40	43.2	40.7	38.3	36.0	33.6	31.6
42	42.S	40.1	37.7	35.4	33.3	31.3
44	41.8	39.4	37.1	34.9	32.6	30.8

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	low	1500	2ooo	2500
10	30.1	32.5	35.7	39.6	44.6	49.9
12	30.3	33.0	36.4	40.5	41.3	SO.7
14	30.4	33.4	37.0	41.2	46.0	51.b
16	30.6	33.7	37.4	41.7	b6.6	52.0
18	30.9	33.9	37.7	42.0	46.9	S2.2
20	32.1	34.1	37.9	42.3	41.2	52.4
22	31.3	34.3	36.1	42.6	47.5	52.7
24	31.5	34.5	38.4	42.9	47.6	13.0
26	31.6	34.7	38.6	43.1	46.1	53.5
28	31.7	31.0	38.8	43.3	48.4	54.0
30	32.0	3S.4	39.4	44.0	49.1	S4.9
32	32.5	36.1	40.1	44.6	SO.0	IS.9
34	33.1	36.7	40.9	41.6	SO.9	57.0
36	33.7	37.4	41.6	46.4	51.9	58.1
38	34.3	36.2	42.4	47.3	52.9	S9.4
40	3S.0	36.9	43.3	46.2	54.0	60.7
42	35.6	39.6	44.1	49.2	55.1	62.1
44	36.2	40.4	44.9	50.2	16.3	63.6

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 30	35	40	45	50	55	60	65
32	885	10%	1175	1320	1470	161S	1760	1905
34	975	1141	1315	1480	1650	1620	1990	2160
36	1075	1265	1460	1655	1850	2045	2243	
38	1180	1400	1620	1840	2060	2290		
40	1295	1540	1785	20%	2285			
42	1415	1690	1960	2235				
44	1545	1845	2140	2445				
46	1660	2005	2330					
48	1820	2170						

TABLE 53M. AIRCRAFT PERFORMANCE, TAKEOFF (DC-g-30 SERIES)
JT8D-9 ENGINE, 15" FLAPS, 2% SPEED INCREASE

MAXIMUM ALLOWABLE .AKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	47.4	45.8	43.2	b0.6	38.1	35.9
12	47.4	45.4	42.7	b0.2	37.1	3S.5
14	41.4	44.9	42.3	39.1	31.3	35.1
16	47.4	b4.6	42.0	39.5	37.1	34.9
18	47.4	b4.6	42.0	39.5	37.1	34.9
20	47.4	44.6	42.0	39.5	37.1	34.9
22	47.4	4b.6	42.0	39.S	37.1	34.9
24	47.4	4b.6	42.0	39.5	37.1	34.9
26	47.4	44.6	12.0	39.5	37.1	34.9
28	47.4	b4.6	42.0	39.S	37.1	34.9
30	46.8	44.1	41.5	39.0	36.7	34.b
32	16.2	43.5	40.9	38.5	36.2	33.9
34	45.5	42.9	b0.4	37.9	3S.6	33.4
36	44.9	42.2	39.6	37.4	35.1	32.9
38	44.2	41.6	39.2	36.6	34.6	32.b
40	b3.5	41.0	38.6	36.3	34.1	31.9
42	42.6	40.3	38.0	35.7	33.5	31.5
44	42.1	39.7	37.3	35.1	33.0	31.0

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	32.0	34.6	38.3	b2.6	b1.7	53.9
12	32.2	35.1	38.9	13.3	40.6	54.8
14	32.5	35.6	39.5	44.1	49.4	55.7
16	32.6	35.9	39.9	bb.6	50.0	56.3
18	32.7	36.1	40.1	b4.8	SO.3	56.6
20	32.6	36.3	40.4	45.1	10.6	17.0
22	33.0	36.5	40.6	45.4	SO.9	57.3
24	33.2	36.8	40.9	45.7	51.2	57.7
26	33.4	37.0	Il.2	46.0	51.6	58.1
28	33.6	37.3	41.5	b6.3	51.9	58.4
30	34.1	37.8	42.0	47.0	S2.7	19.3
32	34.8	38.5	42.6	47.9	13.7	60.5
34	33.4	39.2	43.6	46.8	14.8	61.6
36	36.1	40.0	44.1	49.8	S5.9	63.1
38	36.7	40.7	45.4	10.1	S1.l	64.4
40	37.4	41.S	46.3	51.8	58.3	6S.9
42	1.1	42.4	47.2	12.9	S9.6	67.5
44	38.8	13.3	48.3	54.1	61.0	69.3

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 30	35	40	45	50	55	60	65	70
32	865	1005	1145	1265	1425	1565	1700	1835	1970
34	955	1120	1280	1445	1610	1770	1930	2090	2250
36	1050	1235	1425	1610	1795	1960	2170	23%	2540
38	1155	1365	1575	1785	1995	2205	2420		
40	1265	1500	1735	1965	2200	2440			
42	1385	1645	1906	2160	242S				
44	1510	1795	2090	2370					
46	1640	19%	2270	2590					
48	1760	2130	2475						

TABLE 54M. AIRCRAFT PERFORMANCE, TAKEOFF (DC-g-30 SERIES)
JT8D-9 ENGINE, 5' FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP	AIRPORT ELEVATION (METERS)					
	0	500	1000	1500	2000	2500
10	49.0	46.9	46.1	43.3	40.7	31.2
12	49.0	48.4	45.6	42.9	40.3	37.8
14	49.0	47.9	45.1	b2.4	39.8	31.3
16	49.0	47.6	b4.8	42.2	39.6	37.1
18	49.0	47.6	bb.8	42.1	39.6	37.1
20	49.0	47.6	44.8	42.1	39.6	37.1
22	49.0	41.6	44.8	42.1	39.6	31.1
24	49.0	47.6	44.8	42.1	39.6	37.1
26	49.0	47.6	44.8	42.1	39.6	37.1
28	49.0	47.6	b4.8	12.1	39.6	31.1
30	49.0	17.0	44.3	41.6	39.1	36.7
32	49.0	46.4	43.6	41.0	38.5	36.2
34	48.5	45.7	43.0	40.4	38.0	35.7
36	47.8	41.1	42.4	39.9	31.4	35.1
38	47.1	44.4	bl.8	39.2	36.9	34.6
40	46.4	43.1	41.1	38.6	36.3	34.1
42	15.6	43.0	40.4	38.0	35.7	33.1
44	44.9	42.3	39.8	37.4	35.1	33.0

REFERENCE FACTOR "R"

TEMP	AIRPORT ELEVATION (METERS)					
°C	0	500	1000	1500	2ooo	2500
10	37.5	40.4	44.5	49.6	55.6	62.2
12	37.8	41.0	45.2	50.4	56.b	63.2
14	38.0	41.6	46.0	51.2	57.3	64.2
16	38.2	42.0	46.5	51.8	57.9	64.9
18	38.4	42.2	46.7	52.1	58.3	65.3
20	38.6	42.5	47.0	52.5	58.7	65.8
22	38.7	42.7	b7.4	S2.8	59.1	66.2
24	38.9	42.9	47.7	53.2	59.5	66.6
26	39.0	43.2	48.0	53.5	59.8	67.1
28	39.1	43.6	48.4	13.9	60.2	67.5
30	39.8	44.2	49.1	14.7	61.2	68.8
32	40.6	b4.9	49.9	55.7	62.4	70.1
34	41.3	45.7	SO.8	56.7	63.6	73.6
36	42.0	46.1	51.7	5'1.9	64.9	73.0
38	b2.1	47.3	52.7	59.0	66.3	74.5
40	43.5	b8.2	53.8	60.3	67.7	76.1
42	44.3	19.1	54.9	61.1	69.1	77.8
44	41.2	50.1	16.0	62.8	10.7	79.6

RUNWAY LENGTH (METERS)

WEIGHT	REFERENCE FACTOR "R"									
1000 KG	35	40	45	50	55	60	65	70	75	80
32	925	1045	1170	1295	1425	1550	1680	1805	1936	2050
34	1020	1160	1305	1445	1590	1735	1880	2025	2170	2310
36	1125	1285	1445	1610	1775	1940	2110	2270	2435	2595
38	1235	1415	1600	1785	1975	2165	2355	2545	2730	2915
40	1350	1555	1760	1975	2190	2405	2620	2840		
42	1475	1700	1935	2170	2415	2660	2910			
44	1600	1850	2110	2380	2655	2930				
46	1735	2010	2295	2595	2905					
48	1875	2175	2490	2820						
50	2025	2345	2685							

TABLE 55M. AIRCRAFT PERFORMANCE, TAKEOFF (DC-g-30 SERIES)
JT8D-9 ENGINE, 5" FLAPS, 5% SPEED INCREASE

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	300	1000	1500	2000	2500
10	49.0	49.0	b6.9	44.1	41.5	39.0
12	49.0	49.0	46.4	43.1	41.0	38.6
14	49.0	48.8	45.9	43.2	40.6	38.1
16	49.0	48.5	b5.6	42.9	40.3	37.9
18	49.0	48.5	45.6	h2.9	40.3	37.9
20	49.0	48.5	45.6	12.9	50.3	37.9
22	49.0	48.5	45.6	42.9	40.3	37.9
24	4910	b8.5	45.6	42.9	40.3	37.9
26	49.0	48.5	45.6	42.9	40.3	37.9
28	49.0	48.5	45.6	42.9	40.3	31.9
30	49.0	41.8	45.1	42.4	39.8	37.5
32	49.0	47.1	44.4	41.8	39.3	36.9
34	49.0	46.5	43.8	41.2	38.7	36.4
36	18.6	45.8	43.1	40.6	38.1	35.8
38	47.9	45.1	42.5	40.0	31.6	35.3
40	41.2	44.4	41.8	39.3	37.0	34.7
42	46.4	43.7	41.1	38.7	36.4	34.1
44	45.7	43.0	40.5	38.1	35.8	33.6

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	44.1	47.5	52.7	58.8	66.1	74.8
12	44.3	48.2	53.5	59.8	6'1.3	76.2
14	44.6	48.9	54.3	60.8	68.5	77.6
16	44.9	49.4	54.9	61.5	69.4	78.6
18	45.1	C9.8	55.3	62.0	69.8	79.1
20	45.3	50.1	55.7	62.5	70.3	79.6
22	45.6	50.4	56.1	62.8	70.8	80.1
24	45.9	50.7	56.5	63.3	71.2	80.6
26	46.2	51.0	56.8	63.7	71.7	81.1
28	46.5	51.3	57.2	64.1	72.3	81.6
30	47.0	51.9	57.9	65.0	73.3	02.8
32	47.6	52.0	59.0	66.3	74.0	04.5
34	58.4	53.8	60.2	67.7	76.3	66.4
36	49.3	54.9	61.5	69.1	78.0	88.3
38	50.2	56.0	62.0	70.6	79.7	90.3
40	51.3	57.2	64.1	12.2	81.5	92.3
42	52.3	58.4	65.6	73.8	83.4	94.4
44	53.4	59.7	67.1	75.6	85.4	96.6

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 40	50	60	70	80	90	100
32	985	1220	1450	1600	1905	2125	2345
34	1095	1355	1620	1880	2140	2400	2660
36	1205	1505	1800	2100	2400	2700	3000
38	1320	1660	1995	2335	2675	3020	3370
40	1435	1625	2205	2590	2970	3360	
42	1555	2000	2430	2855	3275		
44	1665	2165	2665	3130	3595		
46	1825	2365	2915	3420			
48	1975	2600	3175				
50	2140	2830	3450				

TABLE 56M. AIRCRAFT PERFORMANCE, TAKEOFF (DC-g-30 SERIES)
JT8D-9 ENGINE, O° FLAPS, 6% SPEED INCREASE

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP	AIRPORT ELEVATION (METERS)					
	0	500	1000	1500	2000	2500
10	49.0	49.0	47.7	45.0	42.3	39.7
12	49.0	49.0	47.2	44.5	41.8	39.2
14	4910	49.0	46.7	44.0	41.3	38.8
16	49.0	49.0	46.5	43.7	41.1	38.6
18	49.0	49.0	46.5	43.7	41.1	38.6
20	49.0	49.0	46.4	43.1	41.0	38.5
22	49.0	49.0	46.4	43.7	41.0	38.5
24	49.0	49.0	46.4	43.7	41.0	38.5
26	49.0	49.0	46.4	43.7	41.0	38.5
28	49.0	49.0	46.4	43.6	41.0	38.5
30	49.0	48.7	45.9	43.1	40.5	38.0
32	49.0	48.0	45.2	42.5	40.0	31.5
34	49.0	47.3	44.5	41.9	39.4	37.0
36	48.6	46.6	43.9	41.3	38.8	36.b
38	48.0	15.9	43.2	40.6	38.2	35.9
40	47.3	45.2	42.5	40.0	37.6	35.3
42	46.7	44.5	41.8	39.4	37.0	34.1
44	46.0	43.7	41.2	38.7	36.4	34.2

REFERENCE FACTOR "R"

TEMP	AIRPORT ELEVATION (METERS)					
	0	500	1000	1500	2000	2500
10	47.8	51.8	57.5	64.6	73.0	82.1
12	48.2	52.6	58.5	65.7	75.2	83.7
14	48.5	53.3	59.5	66.8	75.4	85.2
16	40.8	53.9	60.1	67.6	16.3	86.2
18	49.0	54.2	60.5	68.1	76.8	86.8
20	49.2	54.5	60.9	68.5	77.4	87.4
22	49.5	54.8	61.3	69.0	77.9	88.0
24	49.8	55.2	61.7	69.4	78.b	88.6
26	50.2	55.6	62.2	69.9	78.9	89.2
28	50.5	56.0	62.6	70.4	79.4	89.8
30	51.2	56.8	63.5	71.4	80.6	91.2
32	52.1	57.0	64.7	72.9	82.4	93.3
34	53.0	58.9	66.0	Ih.b	84.2	95.3
36	54.0	60.1	67.4	76.0	86.0	9713
38	55.0	61.3	68.9	77.7	87.9	99.5
40	56.0	62.6	70.4	79.5	89.9	101.7
42	57.1	64.0	72.0	81.3	92.0	104.1
44	50.3	65.4	73.6	83.2	94.2	106.7

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R"							
	40	50	60	70	80	90	100	110
32	980	1215	1450	1675	1900	2125	2345	2560
34	1090	1355	1620	1880	2140	2400	2660	2923
36	1205	1505	1805	2100	2395	2690	2990	3295
38	1330	1665	1995	2330	2665	3000	3335	3675
40	1460	1830	22w	2575	2955	3330	3705	
42	1600	2005	2420	2045	3270	3690		
44	1745	2185	2650	3130	3610			
46	1900	2380	2900	3435	3980			
48	2060	2505	3160	3770				
50	2230	2800	3440					

TABLE 57M. AIRCRAFT PERFORMANCE, LANDING (DC-g-50 SERIES)
JT8D-17 ENGINE, FULL FLAPS

MAXIMUM ALLOWABLE LANDING WEIGHT (1000 KG)

TEMP	AIRPORT ELEVATION (METERS)					
	0	500	1000	1500	2000	2500
10	49.9	49.9	49.9	48.7	45.7	43.0
12	49.9	49.9	49.9	48.7	45.7	43.0
14	49.9	49.9	49.9	48.7	45.7	43.0
16	49.9	49.9	49.9	48.4	45.4	42.1
18	49.9	49.9	49.9	40.0	45.1	42.4
20	49.9	49.9	49.9	47.7	44.7	42.1
22	49.9	49.9	49.9	47.4	44.4	41.8
24	49.9	49.9	49.9	47.0	44.1	41.5
26	49.9	49.9	49.6	46.6	43.7	41.2
28	49.9	49.9	49.2	46.2	43.4	40.8
30	49.9	49.9	48.4	45.5	42.8	40.2
32	49.9	49.9	47.6	44.8	42.1	39.6
34	49.9	49.1	46.8	44.0	41.4	38.8
36	49.9	48.9	46.1	43.3	40.7	38.1
38	49.9	48.2	45.3	42.6	40.0	37.3
40	49.9	47.5	44.7	42.0	39.3	36.5
42	49.7	46.8	44.0	41.3	38.5	35.6
hb	49.0	46.2	43.5	40.1	37.8	34.7

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	AIRPORT ELEVATION (METERS)					
	0	500	1000	1500	2000	2500
30	1125	1175	1225	1270	1320	1380
32	1180	1235	1285	1340	1395	1455
34	1240	1295	1350	1405	1465	1530
36	1300	1355	1410	1410	1535	1605
38	1360	1415	1475	1540	1610	1680
40	1420	1475	1535	1605	1680	1755
42	1480	1535	1600	1670	1750	1825
44	1540	1600	1665	1749	1820	1900
46	1600	1660	1730	1805	1885	1970
48	1660	1725	1795	1875	1955	2045
50	1720	1790	1860	1940	2025	2115

AIRPLANE CHARACTERISTICS	UNIT OF MEASURE	
MAXIMUM TAKEOFF WEIGHT	KG	54 886
MAXIMUM LANDING WEIGHT	KG	49 896
TYPICAL OPERATING EMPTY WEIGHT PLUS RESERVE FUEL	KG	33 162 1/ 35 458 2/
AVERAGE FUEL CONSUMPTION	KG/KM	5.36
TYPICAL MAXIMUM PASSENGER LOAD 90.7 KG/PASSENGER	KG	12 247
MAXIMUM STRUCTURAL PAYLOAD	KG	15 343

1/ Based on 1.25 hours of reserve fuel.
2/ Based on 2.00 hours of reserve fuel.

TABLE 58M. AIRCRAFT PERFORMANCE, TAKEOFF (DC-g-50 SERIES)
JT8D-17 ENGINE, 15" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP	AIRPORT ELEVATION (METERS)					
	0	500	1000	1500	2000	2500
10	51.7	50.1	47.4	44.6	42.0	39.4
12	51.7	50.1	47.4	44.6	42.0	39.4
14	51.7	50.1	47.4	44.6	42.0	39.4
16	51.7	50.1	47.4	44.6	42.0	39.4
18	51.7	50.1	47.4	44.6	42.0	39.4
20	51.7	50.1	47.2	44.4	41.8	39.2
22	51.7	49.7	46.8	44.1	41.5	39.0
24	51.7	49.4	56.5	43.0	41.2	38.7
26	51.7	49.1	46.2	43.5	40.9	38.h
28	51.7	40.8	45.9	43.3	50.6	30.1
30	50.8	48.2	45.5	42.0	40.2	37.7
32	50.2	47.5	44.0	42.2	39.6	37.2
34	49.5	46.0	44.2	41.6	39.1	36.7
36	48.9	46.2	43.5	41.0	38.5	36.2
38	40.3	45.5	42.9	40.4	30.0	35.7
40	47.7	44.9	42.3	39.0	37.4	35.2
42	47.0	44.2	41.6	39.2	36.0	34.7
44	46.4	43.6	41.0	30.5	36.3	34.2

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS)					
	0	500	1000	1500	2000	2500
10	40.5	44.1	40.6	54.2	61.1	69.6
12	40.7	44.4	49.0	54.6	61.6	70.1
14	40.9	44.7	49.3	55.1	62.1	70.5
16	41.2	44.9	49.7	55.5	62.6	70.9
18	41.4	45.2	50.0	56.0	63.1	71.4
20	41.7	45.5	50.5	56.6	63.0	72.1
22	42.0	45.9	51.1	57.3	64.7	73.2
24	42.3	46.3	51.6	50.0	65.6	lb.2
26	42.b	46.7	52.2	53.0	66.5	75.2
28	42.9	47.1	52.7	59.5	67.4	76.2
30	43.4	47.9	53.6	60.6	63.7	77.0
32	44.2	43.9	54.0	61.9	70.3	79.7
34	45.0	49.9	56.0	63.3	71.9	91.7
36	45.3	50.9	57.1	64.6	73.5	33.7
38	46.5	51.9	50.3	66.0	75.1	95.7
40	47.3	52.9	59.5	67.3	76.7	07.7
42	4R.1	53.9	60.7	60.7	73.3	09.7
44	40.9	54.9	61.9	70.0	79.9	91.7

RUNWAY LENGTH (METERS)

WEIGHT 1000 Kc	REFERENCE FACTOR "R"						
	40	50	60	70	80	90	100
32	025	1010	1100	1345	1505	1670	1035
34	910	1115	1305	1495	1605	1835	2095
36	995	1225	1445	1665	1005	2115	2360
38	1005	1340	1595	1045	2100	2360	2635
40	1100	1470	1755	2045	2335	2625	2920
42	1280	1605	1935	2265	2595	2915	3230
44	1390	1750	2125	2505	2875	3230	3560
46	1505	1905	2330	2765	3185	3575	
48	1625	2070	2555	3055	3530		
30	1760	2255	2800	3365			
52	1905	2445	3065	3705			
54	2055	2653	3350				
56	2225	2000	3655				

TABLE 59M. AIRCRAFT PERFORMANCE, TAKEOFF (DC-g-50 SERIES)
JT8D-17 ENGINE, 15" FLAPS, 2% SPEED INCREASE

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP	AIRPORT ELEVATION (METERS)					
	0	500	1000	1500	2000	2500
10						
12	52.7 52.2	50.5 50.5	41.0 47.8	45.1 45.1	42.4 42.4	39.8 39.8
14	52.2	50.5	47.0	45.1	42.4	39.8
16	52.2	50.5	41.0	45.1	42.4	39.8
10	52.2	50.5	41.8	45.1	42.4	39.8
20	52.2	50.5	41.6	44.9	42.3	39.6
22	52.2	50.1	47.3	44.6	42.0	39.3
24	52.2	49.9	47.0	44.3	41.7	39.0
26	52.2	49.5	46.7	44.0	41.4	38.8
20	52.2	49.2	46.4	53.7	41.1	30.5
30	51.8	40.0	45.9	h3.2	40.6	38.1
32	51.1	40.1	45.3	h2.6	50.0	31.6
34	50.4	47.4	44.6	42.0	39.5	37.0
36	49.7	46.7	45.0	41.4	38.9	36.5
38	48.9	46.0	43.3	40.8	38.3	36.0
40	48.2	45.4	42.7	40.1	37.7	35.5
42	47.5	44.7	42.0	39.5	37.2	3b.9
44	46.8	44.0	41.4	38.9	36.6	34.4

REFERENCE FACTOR "R"

TEMP	AIRPORT ELEVATION (METERS)					
°C	0	500	1000	1590	2000	2500
10	42.9	45.9	50.6	56.5	64.0	73.3
12	42.2	46.3	51.0	56.9	66.4	74.0
lb	42.4	46.7	51.5	57.4	64.8	74.2
16	42.7	47.1	52.0	57.9	65.2	74.4
18	62.9	47.5	52.5	53.4	65.6	74.6
20	43.2	47.8	53.3	59.0	66.3	75.2
22	43.5	43.2	53.5	59.7	67.2	76.1
24						
26	43.0 44.1	43.85	54.40	61.3 60.5	66.1 69.9	77.8 77.8
20	44.4	49.2	55.1	62.0	69.9	70.7
30	45.0	49.9	56.0	63.1	71.3	80.4
32	45.8	51.0	57.2	64.5	72.9	82.7
34	46.7	52.0	53.4	65.3	74.6	95.3
36	47.5	53.1	59.6	67.2	76.3	37.3
38	48.4	54.2	60.7	68.5	78.0	09.7
40	49.2	55.2	61.9	69.9	79.7	92.9
42	50.0	56.3	63.1	71.3	31.4	94.3
44	50.9	57.4	64.3	72.6	33.1	96.6

RUNWAY LENGTH (METERS)

WEIGHT	REFERENCE FACTOR "R"						
1000 Kc	40	50	60	70	80	90	100
32	060	1005	1175	1360	1530	1680	1785
34	925	1110	1305	1505	1700	1070	2010
36	1005	1220	1445	1670	1890	2095	2200
30	1090	1.340	1595	1855	2105	2350	2575
40	1185	1465	1760	2055	2345	2630	2895
42	1290	1600	1935	2270	2605	2930	3230
44	1400	1750	2120	2505	2885	3245	3570
46	1520	1905	2325	2760	3180	3575	
48	1650	2070	2545	3030	3495		
50	1705	2250	2780	3315	3020		
52	1925	2445	3035	3625			
54	2075	2655	3305				
56	2230	2875	3600				

TABLE 60M. AIRCRAFT PERFORMANCE, TAKEOFF (DC-g-50 SERIES)
JT8D-17 ENGINE, 5" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	34.9	53.6	50.7	47.7	b4.0	42.1
12						
14	54.9 34.9	53.6 53.6	50.7 50.7	47.7 47.7	44.8 44.8	42.1
16	54.9	53.6	50.7	41.7	44.8	42.1
18						
20	54.9 54.9	53.6 53.6	50.7 50.5	47.7 47.5	44.0 44.7	42.1 41.9
22	54.9	53.3	50.2	47.2	44.3	41.7
24						
26	54.9	52.9 52.5	49.8 49.4	46.8 46.5	44.0 43.7	41.4 41.1
3	54.9	51.6	49.1 48.6	46.2 45.7	43.4 43.0	40.8 40.4
32						
34	54.0 53.3	50.2 50.9	48.0 47.3	45.1 44.5	42.4 41.8	39.0 39.2
36						
38	52.5 51.6	48.7 49.5	46.6 45.9	43.9 43.2	41.2 40.6	38.6 38.0
40	50.8	47.9	45.1	42.5	39.9	31.4
42	49.9	47.0	44.3	41.7	39.2	36.7
44	48.9	46.1	43.5	40.9	38.5	36.1

REFERENCE FACTOR "R"

n w	AIRPORT ELEVATION (METERS)	500	1000	1500	2000	2500
10	45.5	49.9	55.3	61.7	69.2	10.2
12	45.9	50.2	55.6	62.1	69.7	70.7
14	46.4	50.6	55.9	62.4	70.2	79.3
16	46.0	50.9	56.2	62.0	70.7	79.9
18	41.3	51.2	56.5	63.2	71.2	00.4
20	47.6	51.6	57.0	63.9	72.0	81.2
22	47.0	52.1	57.7	64.7	72.9	02.3
24	40.0	52.5	50.4	65.5	73.0	83.3
26	48.2	53.0	59.1	66.3	74.0	04.3
28	40.4	53.5	59.9	67.2	75.7	05.3
30						
32	49.1 50.0	54.3 55.4	60.0 62.0	68.3 69.9	77.1 70.8	86.9 89.0
34	51.0	56.5	63.3	71.2	80.5	91.1
36	51.9	57.1	64.5	12.7	82.2	93.2
38						
40	52.9 53.9	58.0 59.9	67.1 65.0	74.1 75.6	03.9 05.1	95.3 91.4
42	54.0	61.0	60.3	77.0	07.4	99.5
44	55.8	62.1	69.6	70.5	89.1	101.6

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 40	50	60	70	80	90	100
32	815	1010	1195	1370	1545	1715	1880
34	995	1115	1320	1525	1720	1915	2110
36	980	1225	lb60	1685	1910	2135	2355
38	1075	1345	1605	1065	2120	2370	2625
40	1175	1470	1760	2050	2340	2630	2920
42	1280	1605	1930	2255	2500	2910	3240
44	1395	1745	2105	2470	2845	3220	3595
46	1515	1895	2290	2700	3125	3555	
48	1645	2050	2490	2950	3430		
50	1780	2215	2695	3210	3755		
52	1925	2390	2915	3490			
54	2075	2570	3145	3705			
56	2235	2755	3385				

TABLE 61M. AIRCRAFT PERFORMANCE, TAKEOFF (DC-g-50 SERIES)
JT8D-17 ENGINE, 5' FLAPS, 5% SPEED INCREASE

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10						
12	54.9 54.9	54.9 54.9	51.0 51.0	46.6 46.6	45.9 45.9	43.1 43.1
14	54.9	54.9	51.0	46.6	45.9	43.1
16						
20	54.9 54.9	54.9 54.9	51.8	46.6 46.6	45.9 45.9	43.1 43.1
22	34.9 54.9	54.6 54.4	51.6 51.3	46.6 46.3	45.7 45.4	42.7 43.0
24						
26	34.9 54.9	54.1 53.6	50.9 50.6	47.9 47.6	45.1 44.8	42.4 42.0
26	34.9	53.3	50.2	47.3	44.4	41.7
30						
32	34.9 34.9	52.7 52.1	49.7 49.1	46.8 46.2	44.0 43.4	41.3 41.3
36	34.4	51.3	46.4	45.6	42.8	40.1
38	52.7 53.6	50.6 49.8	47.7 47.0	44.9 44.2	42.2	39.5
40					41.5	38.9
42	51.9 51.0	49.0 46.1	46.2 45.4	42.7 43.5	40.8	38.2
					40.1	37.6
44	50.0	47.2	44.5	41.9	39.4	36.9

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	50.0	54.9	61.0	66.4	77.0	86.8
12	50.5	55.2	61.3	66.7	77.5	87.5
14						66.2
16	50.9 51.4	55.5 55.7	61.6 61.6	68.1 68.5	78.0 76.6	88.8
18						69.5
20	51.6 52.2	56.0 56.5	62.7 62.1	69.9 70.6	79.1 79.9	90.5
22						91.7
24	52.8 52.5	57.2 57.9	63.6 64.5	71.6 72.6	61.0 62.1	92.9
26						94.2
28	53.1 53.3	58.5 59.2	65.4 66.3	73.6 74.6	83.2 64.3	93.4
30						97.2
34	54.1 55.2	66.2 61.5	67.5 66.9	76.0 77.6	85.8	99.4
36	57.4 56.3	62.7 63.9	70.3 71.7	60.9 79.3	91.6 69.7	101.7
						104.9
38						106.2
40	56.5 59.6	65.2 66.4	73.2 74.6	62.6 64.2	93.6 95.5	108.5
42	60.6	67.7	76.0	65.9	97.4	110.8
44	61.9	66.9	77.4	67.5	99.4	113.0

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 50	60	70	80	90	100	110	120
32	1015	1200	1375	1550	1720	1690	2060	2243
34	ill5	1325	1530	1725	1920	2115	2320	2530
36	1220	1460	1690	1915	2140	2365	2393	2640
38	1343	1605	1665	2120	2375	2630	2895	3165
40	1470	1760	2055	2340	2630	2926	3215	3510
42	1605	1930	2255	2580	2905	3230	3550	
44	1750	2105	2465	2835	3200	3560		
46	1905	2296	2695	3105	3515			
48	2065	2465	2935	3395	3850			
50	2235	2695	3190	3705				
52	2410	2915	3465					
54	2595	3140	3750					

TABLE 62M. AIRCRAFT PERFORMANCE, TAKEOFF (DC-g-50 SERIES)
JT8D-17 ENGINE, 0° FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION(METERS) 0	500	1000	1500	2000	2500
10	54.9	54.9	52.5	49.4	46.4	43.7
12						
14	54.9 54.9	54.9 54.9	52.5	49.4 49.4	46.4 46.4	43.1 43.7
16	54.9	54.9	52.5	49.4	46.4	43.7
18	54.9	54.9	52.5	49.4	46.4	43.7
22	54.9	54.9	52.3	49.2	46.2	43.5
24	54.9	54.9 54.6	51.5 51.9	48.5 48.8	45.9 45.6	42.9 43.2
26						
28	54.9	54.3 54.0	51.2 50.9	48.2 47.9	45.3 45.0	42.6 42.3
30	54.9	53.4	50.3	47.4	44.5	41.6
32	54.9	52.6	49.6	46.7	43.0	40.6
34	54.9	51.8	48.9	46.0	43.1	39.8
36						
38	54.3 53.5	51.0 50.3	48.0	45.4 44.7	42.4 41.8	39.1 38.6
40	52.7	49.5	46.1	44.0	41.2	38.2
42	51.9	48.0	46.0	43.3	40.6	38.0
44	51.1	48.1	45.3	42.6	40.1	37.9

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	51.0	54.9	60.8	68.4	77.4	87.2
12	51.2	55.4	61.3	68.9	77.9	07.9
14	51.5	55.8	61.9	69.5	78.4	08.7
16	51.7	56.3	62.4	70.0	79.0	89.4
18	51.9	56.7	62.9	70.5	79.5	90.1
20	52.2	57.3	63.6	71.2	80.4	91.1
22	52.6	57.9	64.3	72.1	01.4	92.3
26	53.0	50.5	65.1	73.0	02.5	93.5
28	53.8 53.4	59.0 59.6	65.8 66.6	74.8	04.6 03.5	94.7
						95.0
30	54.6	60.6	67.7	76.2	06.1	97.8
32	55.7	61.0	69.1	77.8	80.1	100.2
36	56.0	63.1	70.5	79.5	90.1	102.4
38	59.0	65.5 64.3	73.4 72.0	02.0 01.1	94.1 92.1	105.0
						107.5
40						109.9
42	60.1 61.3	66.8 68.0	74.8 76.2	04.5 06.1	96.1 98.1	112.3
44	62.4	69.2	77.6	87.8	100.1	114.7

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 50	60	70	00	90	100	110	120
32	1000	1190	1370	1550	1720	1890	2055	2220
34	1110	1315	1520	1720	1920	2115	2305	2495
36	1225	1455	1680	1910	2140	2360	2580	2790
38		1600	1060	2120	2375	2630	2880	3120
42	1345	1760	2050	2340	2635	2920	3210	3490
44	1600	1930	2255	2580	2910	3240	3575	3910
		2110	2470	2835	3205	3505	3975	4385
46		2295	2700	3105	3525	3960	4420	
48	2040	2495	2940	3390	3060	4365		
50		2700	3185	3685	4220			
52	2265 2385	2915	3445	3995				
54		3140	3710	4315				
56	2570 2775	3370	3980					

TABLE 63M. AIRCRAFT PERFORMANCE, TAKEOFF (DC-g-50 SERIES)
JT8D-17 ENGINE, 0" FLAPS, 6% SPEED INCREASE

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
[illegible]	lb.9	54.9	53.6	50.4	47.4	44.6
12	34.9	54.9	53.6	50.4	47.4	44.6
14	54.9	54.9	33.6	50.4	47.4	44.6
16	54.9	54.9	53.6	50.4	47.4	44.6
18	54.9	54.9	53.6	50.4	47.4	44.6
20	54.9	54.9	53.4	50.2	47.2	44.4
22	54.9	54.9	53.0	49.6	46.8	44.1
24	54.9	54.9	52.6	49.5	46.1	43.8
26	54.9	54.9	52.3	49.2	46.2	43.4
20	54.9	54.9	52.0	48.9	46.0	43.2
30	w.9	54.5	51.4	48.4	45.4	42.4
32	54.9	53.7	50.6	47.7	44.7	41.5
34	54.9	S2.9	49.9	47.0	44.0	40.7
36	54.9	52.1	49.1	46.3	43.4	40.0
38	54.6	51.3	48.4	45.6	42.7	39.4
40	53.8	50.6	47.7	4h.9	42.1	39.0
42	53.0	49.8	47.0	44.2	41.5	38.8
44	52.2	49.1	46.2	43.5	41.0	38.6

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	57.5	62.1	60.8	77.5	87.9	100.0
12	57.7	42.5	69.4	78.1	88.6	100.7
14	57.9	63.0	69.9	78.7	89.2	101.4
16	50.2	63.4	70.5	79.3	89.9	102.1
18	50.4	63.8	71.0	79.9	90.5	102.8
20	58.7	44.4	71.8	80.8	91.5	103.9
22	59.1	65.1	72.7	81.9	92.8	105.3
24	59.5	65.9	73.7	83.0	9h.0	106.7
24	59.9	66.6	74.6	84.1	95.3	108.2
20	60.3	67.3	75.5	85.2	96.5	109.6
30	61.2	68.4	76.9	86.8	90.3	111.7
32	62.6	69.9	78.6	88.8	100.7	114.5
34	63.9	71.4	80.3	90.7	103.0	117.3
36	65.2	72.9	02.0	92.7	105.3	120.0
38	66.1	74.4	83.7	94.7	107.6	122.8
40	67.8	75.9	85.5	96.7	109.9	125.5
42	69.1	77.5	07.2	98.7	112.2	120.3
44	70.4	79.0	08.9	100.6	114.6	131.1

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 53	60	70	no	90	100	110	120	130
32	1025	1205	1380	1555	1725	1895	2065	2230	2405
34	1130	1330	1525	1725	1920	2115	2310	2510	2710
36	1240	1465	1690	1910	2135	2360	2585	2815	3045
38	1355	1610	1865	2115	2375	2630	2885	3145	3405
40	1475	1760	2050	2340	2630	2920	3210	3505	3795
42	1600	1925	2255	2580	2910	3235	3565	3890	4215
44	1730	2100	2470	2840	3205	3575	3940	4305	
46	1870	2285	2700	3110	3520	3930	4340		
48	2025	2485	2940	3395	3850	4305			
50	2190	2690	3195	3695	4200				
52	2365	2910	3460	4010					
54	2555	3145	3740	4335					
56	2760	3390	4025						

* TABLE 77M. AIRCRAFT PERFORMANCE, LANDING (BOEING 767-300 ER FLAPS 25)

MAXIMUM ALLOWABLE LANDING WEIGHT (1 000 KG)

TEMP	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	141.1	145.1	145.1	145.1	145.1	145.1
12	145.1	145.1	145.1	141.1	145.1	145.1
14	145.1	145.1	145.1	145.1	145.1	145.1
16	145.1	145.1	145.1	145.1	145.1	145.1
16	145.1	145.1	145.1	141.1	145.1	145.1
20	145.1	145.1	145.1	1421.1	145.1	145.1
22	145.1	145.1	145.1	145.1	141.1	145.1
24	145.1	145.1	145.1	145.1	145.1	145.1
26	145.1	145.1	145.1	145.1	145.1	145.1
28	145.1	145.1	145.1	14s. 1	145.1	145.1
30	145.1	141.1	145.1	145.1	145.1	145.1
32	145.1	145.1	145.1	145.1	145.1	145.1
34	145.1	145.1	145.1	145.1	145.1	145.1
36	145.1	145.1	145.1	145.1	145.1	145.1
38	145.1	145.1	145.1	145.1	145.1	144.7
40	145.1	145.1	145.1	145.1	145.1	
42	145.1	145.1	145.1	145.1	145.1	
44	145.1	145.1	145.1	145.1	145.1	

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
100	1429	1466	1548	1613	1678	1740
105	1453	1511	1574	1640	1708	1774
110	1477	1537	1600	1667	1737	1806
115	1502	1562	1627	1695	1765	1638
120	1526	1586	1653	1722	1794	1870
125	1551	1614	1680	1750	1823	1901
130	1575	1640	1707	1777	1852	1932
135	1600	1666	1734	1805	1881	1962
140	1625	1692	1761	1833	1909	1992
145	1650	1718	1787	1860	1936	2022

AIRPLANE CHARACTERISTICS	UNIT OF MEASURE	MODEL 767-300 ER TYPICAL ENGINE/WEIGHT CONFIGURATIONS			
MAXIMUM DESIGN TAKEOFF WEIGHT	KILOGRAM	172.350	175.550	181.450	184,600
MAXIMUM DESIGN LANDING WEIGHT	KILOGRAM	136,100	136,100	145.150	165.150
TYPICAL OPERATING EMPTY WEIGHT PLUS RESERVE FUEL 1/	KILOGRAM	93.028	93.028	93.520	95.078
AVERAGE FUEL CONSUMPTION 2/	KG/KM	2.4	2.4	2.4	2.4
TYPICAL MAXIMUM PASSENGER LOAD @ 90.7 KG/PASSENGER	KILOGRAM	19.951 MIXED (24 FC + 46 BCS + 150 TOURIST) 26.303 ALL-ECONOMY (290 TOURIST)			
MAXIMUM STRUCTURAL PAYLOAD	KILOGRAM	38.150	38,150	42,150	43.800

1/ Based on 1.25 hours of reserve fuel.
2/ Average of flight manual and U.S. Department of Transportation "Aircraft Operating Cost and Performance Report" Vol. SIX. September 1985.

* TABLE 78M. AIRCRAFT PERFORMANCE, LANDING (BOEING 767-300 ER FLAPS 30)

MAXIMUM ALLOWABLE LANDING WEIGHT (1 000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	145.1	145.1	145.1	145.1	145.1	145.1
12	145.1	145.1	145.1	145.1	145.1	145.1
14	145.1	145.1	145.1	145.1	145.1	145.1
16	145.1	145.1	145.1	145.1	145.1	145.1
18	145.1	145.1	145.1	145.1	145.1	145.1
20	145.1	145.1	145.1	145.1	145.1	145.1
22	145.1	145.1	145.1	145.1	145.1	145.1
24	145.1	145.1	145.1	145.1	145.1	145.1
26	145.1	145.1	145.1	145.1	145.1	145.1
28	145.1	145.1	145.1	145.1	145.1	145.1
30	145.1	145.1	145.1	145.1	145.1	145.1
32	145.1	145.1	145.1	145.1	145.1	145.1
34	145.1	145.1	145.1	145.1	145.1	142.9
36	145.1	145.1	145.1	145.1	145.1	138.8
38	145.1	145.1	145.1	145.1	145.1	137.4
40	145.1	145.1	145.1	145.1	144.7	134.7
42	145.1	145.1	145.1	145.1	141.5	
44	145.1	145.1	145.1	145.1		

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
100	1333	1377	1432	1493	1557	1621
105	1358	1403	1459	1522	1588	1652
110	1382	1429	1487	1551	1618	1682
115	1407	1455	1514	1580	1647	1711
120	1431	1481	1542	1609	1677	1741
125	1455	1507	1569	1637	1706	1771
130	1480	1533	1596	1665	1735	1801
135	1504	1559	1623	1693	1764	1831
140	1528	1585	1650	1721	1793	1861
145	1553	1610	1677	1749	1822	1892 *

* TABLE 79M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 767-300 ER FLAPS 5)

MAXIMUM ALLOWABLE TAKEOFF **WEIGHT (1 000** KG)

TEMP	AIRPORT ELEVATION (METERS)					
	0	500	1000	1500	2000	2500
10	185.1	185.1	179.4	171.7	164.1	156.6
12	185.1	185.1	179.4	171.7	164.1	156.6
14	185.1	185.1	179.4	171.7	164.1	155.6
16	185.1	185.1	179.4	171.7	164.1	154.4
18	185.1	185.1	179.4	171.7	163.1	153.0
20	185.1	185.1	179.4	171.7	161.3	151.4
22	165.1	185.1	179.4	169.7	159.4	149.7
24	185.1	185.1	178.8	167.7	157.3	147.9
26	185.1	185.1	176.5	165.5	155.2	145.9
28	185.1	185.1	174.1	163.2	153.0	143.9
30	185.1	182.6	171.7	160.9	150.8	141.7
32	185.1	180.0	169.2	158.5	148.4	139.4
34	185.1	177.3	166.6	156.0	146.0	137.1
36	185.1	174.6	164.0	153.5	143.6	134.7
38	182.3	171.9	161.3	150.9	141.1	132.2
40	179.4	169.0	158.5	148.3	138.6	129.7
42	176.4	166.0	155.7	145.6	136.0	127.2
44	173.1	162.9	152.8	142.9	133.4	124.7

REFERENCE FACTOR **"R"**

TEMP	AIRPORT ELEVATION (METERS)					
°C	0	500	1000	1500	2000	2500
10	53.1	58.1	63.6	69.9	77.5	86.6
12	53.4	58.1	63.8	70.5	78.3	87.1
14	53.6	58.2	64.1	71.1	79.2	88.0
16	53.9	58.4	64.5	71.9	80.2	89.0
18	54.1	58.7	65.1	72.8	81.3	90.3
20	54.3	59.1	65.7	73.7	82.6	91.9
22	54.6	59.7	66.5	74.8	84.0	93.6
24	55.0	60.3	67.4	76.0	85.5	95.6
26	55.4	61.1	68.5	77.3	87.1	97.7
28	55.9	62.0	69.6	78.7	88.9	100.1
30	56.6	63.0	70.9	80.2	90.8	102.7
32	57.3	64.2	72.3	81.9	92.9	105.5
34	58.3	65.5	73.9	83.7	95.1	108.5
36	59.4	66.9	75.5	85.6	97.5	111.6
38	60.6	68.5	77.3	87.6	100.0	115.0
40	62.1	70.3	79.3	89.8	102.6	118.5
42	63.8	72.2	81.3	92.1	105.5	122.2
44	65.8	74.2	83.5	94.6	108.4	126.0

RUNWAY LENGTH (METERS)

WEIGHT	REFERENCE FACTOR **"R"**								
1000 KG	50	60	70	80	90	100	110	120	130
100	860	1010	1161	1310	1454	1591	1720	1837	1948
105	928	1092	1255	1417	1577	1730	1877	2016	2151
110	1000	1178	1356	1535	1710	1881	2048	2210	2369
115	1074	1269	1466	1661	1853	2043	2230	2415	2599
120	1154	1369	1582	1794	2005	2215	2424	2632	2841
124	1241	1473	1705	1936	2168	2399	2631	2862	3094
130	1330	1581	1833	2087	2341	2596	2850	3105	3361
135	1422	1695	1972	2250	2528	2806	3084	3361	3639
140	1517	1816	2120	2424	2728	3031	3332	3631	3929
145	1616	1946	2277	2609	2940	3268	3593	3914	4229
150	1724	2083	2444	2806	3165	3520	3870	4211	
155	1840	2229	2621	3014	3403	3786	4160		
160	1963	2384	2809	3234	3654	4067	4466		
165	2093	2547	3006	3466	3920	4362			
170	2231	2720	3215	3711	4200				
160	2532	3094	3668	4241					
185	2696	3297	3912						

*

* TABLE 80M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 767-300 ER FLAPS 15)

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1 000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	185.1	178.3	170.9	163.6	156.5	149.3
12	185.1	178.3	170.9	163.6	156.5	149.3
14	185.1	176.3	170.9	163.6	156.5	148.8
16	185.1	178.3	170.9	163.6	156.5	147.8
18	185.1	178.3	170.9	163.6	155.7	146.5
20	185.1	178.3	170.9	163.6	153.9	145.1
22	185.1	178.3	170.9	162.0	152.1	143.5
24	185.1	178.3	170.8	160.0	150.1	141.7
26	185.1	178.3	168.5	157.9	148.2	139.9
28	185.1	176.9	166.2	155.7	146.1	137.9
30	184.7	174.3	163.8	153.5	144.0	135.8
32	182.1	171.7	161.3	151.2	141.9	133.6
34	179.6	169.1	158.8	146.9	139.6	131.3
36	177.0	166.5	156.3	146.5	137.4	129.0
38	174.3	163.9	153.8	144.1	135.0	126.6
40	171.5	161.2	151.2	141.6	132.6	124.2
42	168.6	158.6	148.7	139.1	130.1	121.8
44	165.4	155.9	146.2	136.6	127.5	119.4

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	50.1	54.9	59.7	65.2	71.9	80.3
12	50.2	54.8	59.7	65.4	72.5	81.3
14	50.4	54.8	59.8	65.8	73.2	82.3
16	50.5	54.9	60.1	66.3	74.0	83.4
18	50.7	55.1	60.5	67.0	75.0	84.6
20	50.9	55.4	61.0	67.9	76.1	85.9
22	51.2	55.8	61.7	68.9	77.4	87.3
24	51.5	56.4	62.5	70.0	78.8	88.9
26	52.0	57.1	63.5	71.2	60.3	90.7
28	52.5	57.8	64.6	72.6	82.0	92.7
30	53.1	58.8	65.8	74.1	83.8	94.9
32	53.8	59.8	67.1	75.7	85.8	97.4
34	54.7	61.0	68.6	77.5	88.0	100.3
36	55.7	62.4	70.1	79.3	90.3	103.4
38	56.9	63.9	71.8	81.2	92.7	106.9
40	58.2	65.5	73.5	83.2	95.4	110.8
42	59.7	67.3	75.4	85.3	98.1	115.1
44	61.5	69.2	77.4	87.5	101.1	119.8

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 50	60	70	80	90	100	110	120
100	876	1035	1174	1300	1439	1581	1714	1837
105	942	1109	1259	1410	1570	1727	1880	2027
110	1011	1190	1354	1532	1707	1880	2051	2221
115	1083	1278	1467	1660	1811	2041	2231	2421
120	1158	1372	1584	1795	2004	2211	2420	2632
125	1238	1474	1708	1937	2164	2391	2620	2855
130	1321	1582	1837	2087	2334	2583	2835	3094
135	1411	1698	1974	2244	2414	2787	3064	3356
140	1507	1822	2127	2425	2720	3015	3316	3629
145	1607	1952	2288	2616	2937	3256	3577	3931
150	1712	2091	2459	2817	3165	3504	3863	
155	1826	2237	2639	3028	3402	3759		
160	1948	2392	2827	3248	3647	4035		
165	2078	2554	3024	3477	3899			
170	2216	2724	3230	3714				
175	2364	2903	3444	3960				
180	2521	3091	3667					
185	2688	3287	3898					

* TABLE 81M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 767-300 ER FLAPS 20)

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1 000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	175.5	169.3	162.5	155.5	148.4	141.6
12	175.5	169.3	162.5	155.5	148.4	141.6
14	175.5	169.3	162.5	155.5	148.4	141.3
16	175.5	169.3	162.5	155.5	148.4	140.2
18	175.5	169.3	162.5	155.5	147.7	138.9
20	175.5	169.3	162.5	155.5	146.2	137.5
22	175.5	169.3	162.5	153.9	144.5	136.0
24	175.5	169.3	162.2	152.0	142.8	134.3
26	175.5	169.3	160.0	150.0	140.9	132.5
28	175.5	168.3	157.8	148.0	138.9	130.6
30	175.5	165.7	155.5	145.9	136.9	128.6
32	173.5	163.2	153.2	143.7	134.7	126.5
34	170.6	160.7	150.9	141.5	132.6	124.4
36	167.9	158.2	148.6	139.2	130.3	122.2
38	165.3	155.7	146.2	136.9	128.1	119.9
40	162.6	153.2	143.8	134.5	125.8	117.7
42	160.0	150.7	141.3	132.2	123.5	115.3
44	157.3	148.0	138.8	129.8	121.2	113.0

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	45.0	48.7	53.5	59.3	65.8	72.9
12	45.1	48.8	53.6	59.5	66.2	73.8
14	45.3	49.0	53.8	59.8	66.8	74.8
16	45.5	49.3	54.2	60.3	67.5	75.9
18	45.7	49.6	54.6	60.9	68.4	77.1
20	45.9	49.9	55.2	61.7	69.4	78.4
22	46.1	50.4	55.9	62.7	70.6	79.7
24	46.4	50.9	56.7	63.8	71.9	81.2
26	46.8	51.5	57.6	65.0	73.4	82.8
28	47.2	52.2	58.6	66.3	75.0	84.5
30	47.7	53.0	59.7	67.7	76.7	86.4
32	40.4	53.9	61.0	69.2	78.4	88.4
34	49.1	54.9	62.3	70.8	80.3	90.6
36	50.0	56.1	63.6	72.5	82.3	92.9
38	51.0	57.3	65.1	74.2	04.4	95.4
40	52.2	50.7	66.7	76.0	86.5	98.1
42	53.5	60.2	68.3	77.8	88.7	101.0
44	55.0	61.9	70.0	79.6	90.9	104.1

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 40	50	60	70	80	90	100
too	658	820	979	1137	1284	1432	1577
105	724	896	1071	1238	1390	1543	1693
110	790	979	1165	1343	1508	1672	1837
115	857	1063	1262	1453	1635	1819	2005
120	926	1147	1362	1570	1771	1980	2193
125	994	1233	1467	1695	1919	2154	2398
130	1062	1321	1576	1826	2077	2340	2614
135	1134	1414	1692	1967	2244	2534	2839
140	1209	1514	1814	2117	2420	2736	3067
145	1288	1619	1946	2276	2605	2943	3295
150	1370	1728	2064	2446	2805	3153	
155	1456	1843	2231	2628	3016	3385	
160	1550	1964	2390	2822	3240		
165	1650	2092	2560	3029			
170	1765	2235	2742	3250			
175	1891	2389	2937				
180	2029	2556	3146				
185	2181	2736	3370				

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*U.S. G.P.O.:1993-343-273:80139