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

MAXIMUM ALLOWABLE LANDING WEIGHT (1000 LBS)

TEMP	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	110.0	110.0	110.0	110.0	110.0	107.0	103.0	99.1	95.5
55	110.0	110.0	110.0	110.0	110.0	107.0	103.0	99.1	95.5
60	110.0	110.0	110.0	110.0	110.0	106.4	102.4	98.5	94.9
65	110.0	110.0	110.0	110.0	109.5	105.4	101.4	97.5	94.0
70	110.0	110.0	110.0	110.0	108.5	104.4	100.4	96.5	93.1
75					107.4	103.3	99.3	95.6	92.1
80	110.0	110.0	110.9	110.0	106.2	102.2	90.3	94.6	91.1
85	110.0	110.0	110.0	108.4	104.4	100.5	96.8	93.2	89.8
90					102.0	98.2	94.6	91.1	87.7
95	110.0	110.0	607.2	103.4	99.7	96.0	92.5	89.0	85.5
100	110.0	108.8	104.9	101.2	97.5	93.9	90.3	06.0	83.2
105	110.0	106.7	102.8	99.1	95.5	91.9	88.2	84.5	80.7
110	108.5	104.7	100.9	97.3	93.6	89.9	86.1	82.1	78.0

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
70	3.85	3.96	4.06	4.17	4.27	4.37	4.48	4.60	4.72
75	4.07	4.18	4.29	4.39	4.51	4.62	4.74	4.87	5.00
80	4.29	4.40	4.51	4.62	4.75	4.87	5.00	5.14	5.27
85	4.51	4.62	4.73	4.86	4.99	5.12	5.26	5.40	5.55
90	4.73	4.84	4.96	5.09	5.23	5.37	5.52	5.67	5.82
95	4.96	5.07	5.20	5.33	5.47	5.62	5.77	5.93	6.09
100	5.10	5.30	5.43	5.57	5.72	5.87	6.03	6.19	6.36
105	5.41	5.54	5.67	5.81	5.96	6.12	6.28	6.45	6.63
110	5.64	5.77	5.91	6.06	6.21	6.36	6.53	6.71	6.89

AIRPLANE CHARACTERISTICS	UNIT OF MEASURE	
MAXIMUM TAKEOFF WEIGHT	LBS.	121,000
MAXIMUM LANDING WEIGHT	LBS.	110,000
TYPICAL OPERATING EMPTY WEIGHT PLUS RESERVE FUEL	Las.	73,109 1/ 78,170 2/
AVERAGE FUEL CONSUMPTION	LBS./MILE	19
TYPICAL MAXIMUM PASSENGER LOAD @ 200 LBS./PASSENGER	LBS.	27,000
MAXIMUM STRUCTURAL PAYLOAD	LBS.	33.825

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

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

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	114.0	112.7	109.5	105.5	101.7	99.0	94.5	91.0	87.5
55	114.0	117.7	109.5	105.5	101.7	98.0	94.5	91.0	87.5
60	114.0	lll.7	109.5	105.5	101.7	98.0	94.5	91.0	87.5
65	114.0	111.7	109.5	105.5	101.7	98.0	94.5	91.0	87.5
70	114.0	l11.7	108.6	104.6	loo.9	97.3	93.7	90.3	86.8
75	l14.0	111.7	107.5	103.6	99.9	96.3	92.8	89.4	86.0
80	114.0	110.0	106.5	102.7	99.1	95.5	92.0	88.5	85.2
85	l12.4	108.9	105.3	101.7	98.0	94.5	90.9	87.5	84.2
90	l10.4	106.9	103.3	99.7	96.1	92.6	89.2	85.8	82.6
95	108.5	104.9	101.3	97.7	94.2	90.7	87.4	84.1	81.0
loo	106.6	102.9	99.3	95.7	92.2	80.9	85.6	82.5	79.4
105	104.7	100.9	97.2	93.7	90.3	87.0	83.9	80.8	77.8
110	102.7	98.9	95.2	91.7	88.4	85.2	82.1	79.1	76.2

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	40.5	42.6	45.0	47.0	50.9	54.5	58.5	63.2	68.5
55	40.8	43.0	45.4	48.2	51.5	55.1	59.2	63.9	69.1
60	41.1	43.3	45.8	48.7	52.0	55.7	59.9	64.6	69.7
65	41.4	43.6	46.2	49.2	52.6	56.4	60.6	65.3	70.4
70	41.8	44.1	46.8	49.9	53.4	57.3	61.7	66.4	71.6
75	42.3	44.6	47.4	50.6	54.3	58.3	62.8	67.7	73.0
80	42.7	45.1	48.0	51.3	55.1	59.4	64.0	69.0	74.4
85	43.2	45.7	48.7	52.2	56.2	60.6	65.4	70.5	76.1
90	b4.3	47.0	50.2	53.8	57.9	62.5	67.4	72.9	78.7
95	45.4	48.3	51.6	55.4	59.6	64.3	69.5	75.2	31.4
loo	46.5	49.6	53.1	57.0	61.4	66.2	71.6	77.6	84.1
105	47.5	50.9	54.6	58.6	63.1	68.1	73.7	79.9	86.8
110	48.6	52.2	56.0	60.2	64.9	70.0	75.8	82.3	89.5

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 40	50	60	70	80	90	loo
70	2.68	3.27	3.82	4.35	4.87	5.39	5.91
75	2.91)	3,66	4.29	4.92	5.54	6.19	6.88
80	3.30	4.07	4.81	5.54	6.28	7.05	7.87
85	3.64	4.52	5.37	6.23	7.09	7.98	8.90
90	4.00	5.00	6.00	7.00	8.00	9.00	9.99
95	4.39	5.52	6.68	7.85	9.00	10.12	11.17
100	4.81	6.08	7.43	8.79	10.12	il.36	12.46
105	5.26	6,69	8.25	9.83	11.36		
110	5.75	7.36	9.15	10.99			
115	6.28	8.08	10.13	12.25			
120	6.86	8.86	11.20				
125	7.49	9.71	12.37				

TABLE 59. AIRCRAFT PERFORMANCE, TAKEOFF (DC-α-50 SERIES)
JT8D-17 ENGINE, 15° FLAPS, 2% SPEED INCREASE'

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP	AIRPORT ELEVATION (FEET)								
I °	0	1000	2000	3000	4009	5000	6000	7000	8000
50	115.0	113.7	llo.5	106.5	102.7	99.0	95.5	92.0	88.4
55	115.0	112.7	110.5	106.5	102.7	99.0	95.5	92.0	88.4
60	115.0	112.7	110.5	106.5	102.7	99.0	95.5	92.0	88.4
65	115.0	112.7	110.5	106.5	102.7	99.0	95.5	92.0	88.4
70	115.0	112.7	109.6	105.6	101.9	98.3	94.7	91.2	87.7
75	115.0	112.7	108.5	104.6	100.9	97.3	93.8	90.3	86.8
80	115.0	111.0	107.5	103.7	100.1	96.5	92.9	89.4	85.9
85	114.6	110.5	106.5	102.7	99.0	95.4	91.9	88.4	84.9
90	112.4	108.4	104.4	100.7	97.0	93.5	90.1	86.7	83.3
95	110.3	106.2	102.4	98.7	95.1	91.6	88.2	04.9	81.7
100	108.1	lob.1	loo.3	96.7	93.1	89.7	86.4	83.2	80.1
105	105.9	102.0	98.3	94.7	91.2	87.8	84.6	81.5	78.4
110	103.7	99.9	96.2	92.7	89.3	06.0	82.8	79.7	76.8

REFERENCE FACTOR "R"

TEMP	AIRPORT ELEVATION (FEET)								
I °	0	1000	2000	3000	4000	5000	6000	7000	8000
[illegible]	42.0	44.3	46.8	49.7	53.0	56.8	61.2	66.4	72.5
55	42.3	44.8	47.4	50.3	53.6	57.4	61.8	66.9	72.8
60	42.6	45.2	48.0	51.0	54.3	58.1	62.4	67.4	73.1
65	42.9	45.7	48.6	51.6	55.0	58.0	63.0	67.9	73.4
70	43.3	46.1	49.1	52.3	55.8	59.7	64.1	69.0	74.5
75	43.7	46.5	49.6	53.0	56.7	60.8	65.3	70.3	75.8
80	44.2	47.0	50.1	53.7	57.6	61.9	66.5	71.6	77.0
85	44.7	47.6	50.8	54.5	58.6	63.1	67.9	73.1	78.6
90	45.9	49.0	52.4	56.2	60.4	65.0	70.1	75.6	81.7
95	47.1	50.3	53.9	57.8	62.1	66.9	72.2	78.2	W.8
100	48.3	51.7	55.4	59.4	63.9	68.8	74.4	80.7	07.9
105	49.4	53.1	56.9	61.1	65.6	70.7	76.5	83.2	90.9
110	50.6	54.5	58.5	62.7	67.3	72.6	78.7	85.8	94.0

RUNWAYLENGTH (1000 FEET)

WEIGHT	REFERENCE FACTOR "R"						
1000 LBS	40	50	60	70	80	90	100
70	2.80	3.26	3.81	4.40	4.96	5.44	5.78
75	3.04	3.65	4.29	4.95	5.58	6.14	6.61
80	3.33	4.06	4.81	5.57	6.30	6.99	7.61
85	3.66	4.51	5.38	6.26	7.12	7.96	8.74
90	4.02	4.99	6.00	7.02	8.04	9.03	9.95
95	4.43	5.51	6.67	7.86	9.04	10.17	11.21
100	4.87	6.08	7.41	8.78	10.12	11.38	12.47
105	5.34	6.69	8.20	9.77	11.27		
110	5.84	7.36	9.07	10.83	12.48		
115	6.36	8.08	10.02	11.98			
120	6.91	8.86	11.05				
125	7.49	9.70	12.16				

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

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
[illegible]	121.0	120.2	117.0	112.8	108.8	104.8	100.9	97.2	93.5
55	121.0	119.5	117.0	112.8	108.8	104.8	100.9	97.2	93.5
60	121.0	119.5	117.3	112.8	108.8	104.8	100.9	97.2	93.5
65	121.0	119.5	117.0	112.8	108.8	104.8	100.9	97.2	93.5
70	121.0	119.5	116.2	112.0	108.0	104.0	100.2	96.4	92.8
75	121.0	119.5	115.2	111.0	106.9	103.0	99.2	95.5	92.0
80	121.0	118.3	114.0	109.9	105.9	102.0	98.3	94.6	91.1
85	121.0	116.9	112.7	108.6	104.7	100.9	97.2	93.6	90.1
90	119.0	114.7	110.6	106.7	102.8	99.1	95.4	91.8	88.3
95	116.5	112.4	108.4	104.6	100.3	97.2	93.6	90.0	86.5
100	114.0	110.0	106.1	102.3	98.7	95.1	91.6	88.1	84.6
105	111.3	107.4	103.6	100.0	96.4	92.9	89.5	86.1	82.7
110	108.6	104.7	101.0	97.4	94.0	90.6	87.2	04.0	80.7

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8009
50	45.5	48.1	51.0	54.3	58.0	62.0	66.5	71.5	77.0
55	46.1	48.6	51.4	54.7	58.4	62.6	67.2	72.2	77.8
60	46.7	49.1	51.9	55.1	58.9	63.1	67.8	72.9	78.6
65	47.4	49.5	52.3	55.6	59.4	63.7	68.4	73.7	79.3
70	47.7	50.1	53.0	56.4	60.3	64.7	69.6	74.9	80.6
75	48.0	50.6	53.7	57.3	61.3	65.8	70.8	76.2	82.0
80	48.3	50.4	53.7	57.5	61.7	66.3	71.3	76.6	82.2
85	48.8	51.8	55.3	59.2	63.6	68.3	73.5	79.1	85.1
90	50.1	53.3	56.9	61.0	65.4	70.4	75.8	81.6	87.9
95	51.5	54.8	58.5	62.7	67.3	72.4	78.0	84.1	90.8
loo	52.8	56.2	60.1	64.4	69.1	74.4	80.2	86.6	93.6
105	54.1	57.7	61.7	66.1	71.0	76.5	82.5	89.1	96.4
110	55.5	59.1	63.2	67.8	72.9	78.5	84.7	91.6	99.3

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 40	50	60'	70	'80	90	190
70	2.64	3.27	3.57	4.44	5.00	5.54	6.08
75	2.93	3.65	4.34	5.00	5.65	6.29	4.93
80	3.26	4.07	4.35	5.62	h.36	7.11	7.95
85	3.61	4.52	5.41	6.28	7.15	8.01	8.37
90	3.99	5.00	6.00	7.00	8.00	9.00	10.00
95	4.40	5.51	6.64	7.78	8.93	10.09	11.26
100	4.84	6.06	7.32	8.62	9.95	11.30	
105	5.32	6.63	8.04	9.52	11.36		
110	5.32	7.24	8.81	10.49	12.26		
115	6.36	7.98	9.62	11.53			
120	4.92	8.55	10.43				
125	7.52	9.26	11.38				

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

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	121.0	121.0	119.5	115.3	111.3	107.3	103.4	99.5	95.8
55	121.0	121.0	119.5	115.3	111.3	107.3	103.4	99.5	95.8
60	121.0	121.0	119.5	115.3	111.3	107.3	103.4	99.5	95.8
65	121.0	121.0	119.5	115.3	111.3	107.3	103.4	99.5	95.6
70	121.0	121.0	118.7	114.5	110.4	106.4	102.5	98.7	95.1
75	121.0	121.0	117.6	113.5	109.4	105.4	101.5	97.8	94.1
80	121.0	120.8	116.5	112.4	108.3	104.b	100.5	96.8	93.2
85	121.0	119.5	115.2	111.1	107.1	103.2	99.4	95.7	92.0
90	121.0	117.3	113.1	109.1	105.2	101.4	97.7	94.0	90.3
95	119.1	114.9	110.9	107.0	103.2	99.4	95.8	92.1	88.5
100	116.5	112.5	108.6	104.7	101.0	97.3	93.7	90.1	86.6
105	113.8	109.9	106.1	102.3	98.7	95.1	91.5	88.0	84.6
110	111.0	107.1	103.4	99.7	96.2	92.7	89.2	85.8	82.5

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) n	1000	2000	3000	4000	5000	6000	7000	8000
50	50.n	52.9	56.1	59.9	64.1	68.8	73.9	79.5	85.5
55	50.6	53.3	56.5	60.3	64.5	69.3	74.5	80.3	86.4
60	51.3	53.7	56.9	60.6	64.9	69.8	75.2	81.1	87.4
65	51.9	54.2	57.2	61.0	65.4	70.4	75.9	81.9	88.3
70	52.3	54.9	53.1	62.0	66.5	71.6	77.2	83.3	89.8
75	52.7	55.7	59.2	63.2	67.8	73.0	78.7	04.8	91.5
80	53.2	56.4	60.2	64.4	69.1	74.4	80.1	86.4	93.2
85	53.3	57.4	61.4	65.3	70.6	76.0	81.8	88.2	95.1
90	55.3	59.0	63.1	67.7	72.7	78.3	84.3	91.0	98.2
95	56.9	60.7	64.9	69.6	74.8	80.6	86.9	93.8	101.3
100	58.4	62.3	66.7	71.5	76.9	82.9	89.4	96.6	104.3
105	60.0	63.9	68.4	73.5	79.1	85.2	92.0	99.4	107.4
110	61.5	65.6	70.2	75.4	81.2	81.5	94.5	102.2	110.5

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 50	60	70	80	90	100	110	120
70	3.29	3.89	4.46	5.01	5.56	6.11	6.67	7.25
75	3.65	4.35	5.02	5.66	6.30	6.95	7.62	8.32
80	4.06	4.36	5.63	6.38	7.12	7.88	8.66	9.47
85	4.51	5.41	6.29	7.15	8.02	8.39	9.78	10.69
90	5.00	6.00	7.00	8.00	8.99	9.99	10.99	12.00
95	5.52	6.64	7.77	8.91	10.05	11.18	12.29	
100	6.08	7.31	8.59	9.90	11.19	12.46		
105	6.67	8104	9.48	10.96	12.42			
110	7.30	8.30	10.43	12.09				
115	7.96	9.62	11.44					
120	8.64	10.48						

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

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	121.0	121.0	121.0	117.0	112.7	108.5	104.5	100.7	97.0
55	121.0	121.0	121.0	117.0	112.7	108.5	104.5	100.7	97.0
60	121.0	121.0	121.0	117.0	112.7	108.5	104.5	100.7	97.0
65	121.0	121.0	121.0	117.0	112.7	108.5	104.5	100.7	97.0
70	121.0	121.0	120.1	116.0	111.8	107.6	103.6	99.8	96.2
75	121.0	121.0	119.0	114.8	110.7	106.6	102.6	90.8	95.2
80	121.0	121.0	118.0	113.8	109.5	105.5	100.7	98.0	94.3
85								96.9	93.1
90	121.0	118.5	114.2	110.2	106.4	102.5	98.6	94.6	90.2
95	120.6	116.0	111.9	108.0	104.2	100.4	96.6	92.4	87.9
100	118.2	113.7	109.6	105.7	102.0	98.4	94.6	90.5	86.2
105	115.7	111.4	107.4	103.5	99.9	96.2	92.6	88.8	84.9
110	113.2	109.2	105.2	101.4	97.7	94.1	90.7	87.4	B4.2

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	51.0	53.1	56.0	59.7	64.0	68.8	74.2	79.9	86.0
55	51.3	53.7	56.7	60.4	64.1	69.5	74.9	80.7	86.9
60	51.6	54.2	57.4	61.1	65.4	70.3	75.6	81.5	87.9
65	51.9	54.8	58.1	61.9	66.2	71.0	76.4	82.3	88.8
70	52.5	55.5	58.9	62.8	67.2	72.1	77.6	03.7	90.3
75	53.0	56.2	59.8	63.8	68.3	73.4	79.0	85.2	92.0
80	53.6	56.9	60.6	64.8	69.5	74.7	80.4	86.7	93.7
85	54.3	57.0	61.7	66.0	70.8	76.1	82.0	88.5	95.6
90	55.9	59.4	63.4	67.9	72.9	78.5	84.6	91.4	98.9
95	57.4	61.1	65.2	69.8	75.0	80.8	07.2	94.3	102.2
100	58.9	62.7	67.0	71.8	77.1	03.1	89.8	97.2	105.4
105	60.5	64.4	68.8	73.7	79.2	85.5	92.4	100.1	108.7
110	62.0	66.0	70.5	75.6	81.4	87.6	95.0	103.0	112.0

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LB8	REFERENCE FACTOR "R" 50	GO	70	80	90	100	110	120
70	3.23	3.85	4.45	5.02	s.57	6.11	6.65	7.13
75	3.65	4.32	4.99	5.65	6.31	6.95	7.58	8.19
80	4.08	4.03	5.60	6.36	7.12	7.87	8.60	9.30
85	4.53	5.39	4.27	7.15	8.02	8.89	9.73	IO.56
90	5.00	6.00	7.00	8.00	9.00	10.01	11.00	12.00
95	5.50	6.65	7.70	8.92	10.07	11.24	12.43	13.65
100	6.03	7.33	8.62	9.91	11.22	12.59	14.02	
105	6.60	8.06	9.50	10.95	12.46	14.07		
110	7.21	8.82	10.41	12.04	13.78			
115	7.87	9.62	11.37	13.19				
120	8.58	10.46	12.36	14.39				
125	9.34	11.33	13.37					

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

M'XIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP I F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	121.0	121.0	121.0	119.4	115.0	110.7	106.7	102.8	99.0
55	121.0	121.0	121.0	119.4	115.0	110.7	106.7	102.8	99.0
	121.0	121.0	121.0	119.4	115.0	110.7	106.7	102.8	99.0
[illegible]	121.0	121.0	121.0	119.4	115.0	110.7	106.7	102.8	99.0
70	121.0	121.0	121.0	118.4	114.1	109.8	105.7	101.8	98.2
75	121.0	121.0	121.0	117.2	113.0	108.8	104.7	100.8	97.2
80	121.0	121.0	120.4	116.2	112.0	107.9	103.8	100.0	96.3
85	121.0	121.0	119.1	114.9	110.8	106.8	102.8	98.9	95.0
90	121.0	120.9	116.6	112.5	108.6	104.7	100.7	96.6	92.2
95	121.0	118.5	114.2	110.2	106.4	102.6	98.6	94.4	89.8
100	120.6	116.0	111.9	107.9	104.2	100.4	96.6	92.5	00.0
105	118.1	113.7	109.6	105.7	102.0	98.3	94.6	90.7	86.7
110	115.6	111.4	107.4	103.5	99.8	96.2	92.6	89.2	85.9

REFERENCE FACTOR "R"

TEMP I F	AIRPORT ELEVATION (FEET) 0	1000	2ow	3000	4000	5000	6000	7000	8000
50	57.5	60.0	63.4	67.5	72.4	77.9	84.2	91.0	98.5
55	57.8	60.5	64.0	68.3	73.2	78.8	85.1	91.9	99.4
60	58.1	61.1	64.7	69.0	74.0	79.7	86.0	92.9	100.4
65	58.4	61.6	65.4	69.8	74.8	80.5	84.8	93.8	101.3
70	59.0	42.3	66.3	70.9	74.1	81.9	88.3	95.4	103.1
75	59.5	63.2	67.4	72.2	77.5	83.4	90.0	97.2	105.0
80	60.1	64.0	68.5	73.4	78.9	85.0	91.7	99.0	107.0
85	60.9	65.1	69.7	74.9	80.5	86.8	93.6	101.1	109.3
90	42.7	67.1	71.9	77.2	83.1	89.5	96.6	104.4	113.0
95	64.5	69.1	74.0	79.5	35.6	92.3	99.7	107.8	116.8
100	66.3	71.0	76.2	31.9	88.1	95.1	102.7	111.2	120.5
105	68.2	73.0	78.3	84.2	90.7	97.8	105.8	114.5	124.2
110	70.0	75.0	80.5	86.5	93.2	100.6	108.8	117.9	128.0

RUNWAY LENGTH (1000 FRET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 50	60	70	80	90	100	110	120	130
70	3.31	3.90	4.47	5.03	5.58	6.13	6.67	7.22	7.77
75	3.71	4.37	5.01	5.66	6.30	6.94	7.59	8.24	8.90
80	4.12	4.87	5.62	6.36	7.11	7.86	8.62	9.38	10.15
a5	4.55	5.41	6.28	7.14	8.01	8.88	9.76	19.64	11.52
90	5.00	6.30	7.90	8.00	9.00	10.00	11.00	12.91	13.01
95	5.48	6.63	7.73	6.92	10.07	11.21	12.35	13.49	14.63
100	5.99	7.30	8.61	9.91	11.21	12.51	13.81		
105	6.55	8.02	9.50	10.97	12.43	13.39			
110	7.15	a.79	10.44	12.98	13.72				
115	7.80	9.61	11.43	13.24					
120	8.52	10.49	12.46	14.46					
125	9.30	11.41	13.55						

TABLE 64. AIRCRAFT PERFORMANCE, LANDING (DC-10-10)
CF6-6D ENGINE, 50" FLAPS

MAXIMUM ALLOWABLE LANDINGWRIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
SO	363.S	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5
55	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5
60	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5
65	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5
70	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.S	359.8
75	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	350.9
80	363.5	363.S	363.5	363.5	363.5	363.5	363.5	355.6	342.3
85	363.5	363.5	363.5	363.5	363.5	363.5	359.8	346.6	333.9
90	363.S	363.5	363.5	363.5	363.5	363.5	350.6	337.8	325.5
95	363.5	363.5	363.5	363.5	363.5	354.6	341.7	329.2	317.0
100	363.5	363.5	363.5	363.5	358.4	345.5	332.8	320.5	3oa.s
105	363.S	363.5	363.5	362.1	349.1	336.4	324.0	312.0	
110	363.5	363.5	363.S	352.7	339.9	327.5			

RUNWAY LENGTH (1000 WET)

WEIGHT 1000 LBS	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
240	4.81	4.93	5.04	5.16	5.29	5.42	5.56	5.70	5.85
2so	4.97	5.09	5.21	5.34	5.47	5.61	5.75	5.89	6.04
260	5.13	5.25	5.38	5.51	5.65	5.79	5.94	6.09	6.24
270	5.28	5.41	5.54	5.68	5.82	5.37	6.12	6.28	6.43
280	5.44	5.57	5.71	5.85	6.00	6.15	6.91	6.47	6.63
290	5.59	5.73	5.87	6.02	6.17	6.33	6.49	6.66	6.83
300				6.19	6.35	6.51	6.60	6.85	7.03
310	5.75 5.90	5.89 6.05	6.04 6.20	6.36	6.52	6.69	6.86	7.04	7.22
320	6.06	6.21	6.37	6.53	6.70	6.87	7.05	7.23	7.42
330	6.21	6.37	6.54	6.70	6.87	7.05	7.23	7.42	7.62
340	6.37	6.53	6.69	6.06	7.03	7.21	7.40	7.59	7.79
350	6.51	6.66	6.83	7.00	7.19	7.37	7.57	7.70	7.99
360	6.64	6.81	6.98	7.16	7.35	7.54	7.75	7.96	8.18
370	6.77	6.96	7.14	7.33	7.52	7.71	7.92	8.13	8.37

AIRPLANE CHARACTERISTICS	UNIT OF MEASURE	
TYPICAL OPERATING EMPTY WEIGHT PLUS RESERVE FURL	LBS.	263,300
AVERAGE FUEL CONSUMPTION	LBS./MILE	30
TYPICAL MAXIMUM PASSENGER LOAD @200 LBS./PASSENGER	LBS.	54,000
MAXIMUM STRUCTURAL PAYLOAD	LBS.	99,660

TABLE 65. AIRCRAFT PERFORMANCE, LANDING (DC-10-10)
CF6-6D ENGINE, 35" FLAPS

MAXIMUM ALLOWABLE LANDING WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5
[illegible]	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5
60	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5
65	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5
70	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5
75	363.5	363.5	363.5	363.S	363.5	363.5	363.5	363.5	363.5
80	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	358.0
85	363.5	363.5	363.5	363.5	363.5	363.5	363.5	362.4	348.8
90	363.5	363.5	363.5	363.5	363.5	363.5	363.5	353.0	339.9
95	363.5	363.5	363.5	363.5	363.5	363.5	357.0	343.9	331.3
100	363.5	363.5	363.5	363.5	363.5	361.0	347.8	335.2	323.0
105	363.5	363.5	363.5	363.5	363.5	351.7	339.0	326.8	
110	363.5	363.5	363.5	363.5	355.7	342.8			

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
240	5.44	5.56	5.69	5.82	5.96	6.10	6.25	6.40	6.56
250	5.61	5.73	5.86	6.00	6.14	6.29	6.45	6.61	6.78
260	5.78	5.90	6.04	6.18	6.33	6.49	6.65	6.82	7.00
270	5.95	6.08	6.22	6.37	6.52	6.69	6.86	7.04	7.22
280	6.12	6.26	6.40	6.55	6.72	6.89	7.06	7.25	7.43
290	6.30	6.43	6.58	6.74	6.91	7.09	7.27	7.46	7.65
300	6.47	6.61	6.76	6.93	7.10	7.28	7.47	7.66	7.86
310	6.64	6.78	6.94	7.11	7.29	7.48	7.68	7.87	8.07
320	6.81	6.96	7.12	7.30	7.49	7.68	7.88	8.08	8.28
330	6.97	7.13	7.30	7.48	7.67	7.87	8.08	8.29	8.49
340	7.11	7.30	7.48	7.67	7.86	8.05	8.26	8.47	8.70
350	7.29	7.47	7.65	7.83	8.02	8.22	8.44	8.67	8.92
360	7.45	7.62	7.80	7.99	8.19	8.40	8.63	8.86	9.11
370	7.57	7.76	7.96	8.17	8.38	8.60	8.82	9.05	9.29

TABLE 66. AIRCRAFT PERFORMANCE, TAKEOFF (DC-10-10)
CF6-6D ENGINE, 25" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	378.0	370.5	363.5	356.6	349.6	342.5	335.1	327.5	319.5
55	378.1	370.5	363.4	356.6	349.5	342.5	335.2	327.5	319.5
60	378.3	370.5	363.3	356.5	349.4	342.5	335.3	327.5	319.5
65	378.4	370.5	363.2	356.4	349.3	342.5	335.4	327.5	314.2
70	378.6	370.5	363.2	356.3	349.2	342.5	332.9	320.1	307.7
75	378.8	370.5	363.1	356.3	349.1	337.0	324.6	312.7	301.1
80	378.9	370.5	363.0	353.5	340.4	328.1	316.5	305.3	294.4
85	379.0	370.5	356.4	343.3	331.0	319.5	308.5	297.9	287.6
90	373.3	359.0	345.8	333.5	322.0	311.1	300.7	290.5	280.5
95	361.5	348.1	335.7	324.1	313.3	302.9	292.8	283.0	
100	350.6	337.9	326.1	315.2	304.8	294.8	285.0	275.2	
105	340.7	328.5	317.2	306.6	296.5	286.7	277.0		
110	332.0	320.0	3on.9	290.5	288.5	278.7			

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
[illegible]	41.5	43.4	45.5	47.8	50.2	53.0	56.0	59.3	63.0
55	41.8	43.8	45.9	48.1	50.7	53.4	56.5	59.9	63.6
60	42.2	44.1	46.2	48.5	51.1	53.9	57.0	60.4	64.2
65	42.4	44.4	46.6	48.9	51.5	54.3	57.4	60.9	65.4
70	42.7	44.7	46.9	49.3	51.6	54.7	58.2	62.5	67.2
75	43.0	4511	47.3	49.7	52.3	55.9	60.0	64.5	69.5
80	43.3	45.4	47.7	50.4	53.9	57.0	62.1	66.8	72.2
85	43.6	45.8	48.8	52.2	55.8	59.9	64.4	69.4	75.1
90	44.4	47.4	50.6	54.0	57.9	62.1	66.9	72.4	78.5
95	46.0	49.1	52.4	56.1	60.1	64.b	69.7	75.5	
100	47.6	50.9	54.4	58.2	62.4	67.3	72.0	79.0	
105	49.4	52.7	56.4	60.4	64.9	70.1	76.0		
110	51.1	54.7	58.5	62.7	67.6	73.1			

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 40	45	50	55	60	65	70	75	80
280	4.00	4.00	4.19	4.59	4.98	5.36	5.74	6.11	6.46
290	4.00	4.02	4.45	4.88	5.31	5.73	6.14	6.55	6.96
300	4.00	4.26	4.72	5.18	5.65	6.11	6.56	7.02	7.46
310	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.51	8.03
320	4.21	4.75	5.29	5.63	6.36	6.91	7.46	8.02	6.61
330	4.43	5.01	5.59	6.16	6.74	7.33	1.93	8.55	
340	4.66	5.29	5.90	6.52	7.13	7.76	8.41		
350	4.89	5.57	6.23	6.88	7.53	8.21			
360	5.14	5.87	6.57	7.26	7.95	8.66			
370	5.41	6.19	6.93	7.65	6.38				
380	5.69	6.52	7.30	8.06	8.82				
390	5.98	6.87	7.69	8.48					
400	6.30	7.24	8.10	8.92					
410	6.63	7.63	8.53						
420	6.99	8.04	8.98						
430	7.36	8.47							

TABLE 67. AIRCRAFT PERFORMANCE, TAKEOFF (DC-10-10)
CF6-6D ENGINE, 20" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	393.0	386.0	379.0	371.9	364.8	357.3	349.5	341.5	333.0
55	393.2	366.0	378.9	371.8	3b4.7	357.3	349.7	341.5	333.0
60	393.3	386.0	378.8	371.7	364.6	357.3	349.0	341.5	333.0
65	393.5	386.0	378.7	371.5	364.5	357.3	349.9	341.5	328.1
70	393.6	366.0	378.7	371.2	364.4	357.3	346.9	334.1	321.6
75	393.8	366.0	378.6	371.0	364.4	351.4	338.7	326.6	314.9
80	393.9	386.0	378.5	368.4	355.1	342.5	330.5	319.0	307.8
85	394.0	386.0	371.7	358.3	345.7	333.7	322.3	311.3	300.5
90	389.0	374.5	360.9	348.3	336.4	325.0	314.1	303.5	293.0
95	376.9	363.2	350.5	338.6	327.3	316.5	305.9	295.6	285.2
100	365.5	352.6	340.6	329.3	318.5	308.0	297.8	207.6	277.3
105	355.3	342.9	331.4	320.4	310.0	299.0	289.7	279.6	
110	346.5	334.4	323.0	312.2	301.8	291.7			

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	low	2000	3000	4000	5000	6000	7000	8000
50	42.3	44.2	46.3	48.5	50.9	53.7	56.6	60.0	63.7
55	42.6	44.5	46.6	48.9	51.4	54.2	57.2	60.6	64.3
60	43.0	44.9	47.0	49.3	51.8	54.6	57.7	61.1	64.8
65	43.3	45.2	47.4	49.7	52.3	55.1	58.2	61.5	65.9
70	43.6	45.6	47.8	50.1	52.7	55.5	50.9	63.1	67.7
75	43.9	45.9	48.1	50.5	53.0	56.6	60.7	65.1	70.0
80	44.1	46.3	48.5	51.1	54.6	56.5	62.7	67.4	72.5
85	44.5	46.6	49.6	52.9	56.5	60.5	65.0	69.9	75.4
90	45.2	48.1	51.3	54.7	58.5	62.8	67.5	72.8	70.7
95	46.7	49.8	53.1	5b.7	60.7	65.2	70.2	75.9	82.3
loo	48.4	51.6	55.0	58.8	63.0	67.0	73.1	79.2	86.2
105	50.1	53.4	57.0	61.0	65.5	70.5	76.3	82.9	
110	51.0	55.4	59.2	63.4	68.1	73.5			

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 40	45	50.	55	60	65	70	75	80	85
280	4.00	4.00	4.21	4.62	5.02	5.40	5.77	6.13	6.48	6.82
290	4.00	4.02	4.46	4.90	5.33	5.75	6.16	6.56	6.95	7.33
300	4.00	4.26	4.72	5.19	5.65	6.11	6.57	7.02	7.46	7.88
310	4.03	4.50	4.99	5.49	s.99	6.50	7.01	7.51	A.0	8.48
320	4.26	4.75	5.27	5.00	6.35	6.91	7.47	A.03	8.59	9.13
330	4.49	5.01	5.56	6.14	6.74	7.35	7.97	8.59	9.21	
340	4.72	5.27	5.07	6.49	7.15	7.02	8.50	9.19		
350	4.95	5.55	6.19	6.07	7.50	0.32	9.07			
360	5.18	5.83	6.53	7.27	8.05	0.85				
370	5.43	6.13	6.90	7.71	8.55	9.43				
380	5.67	6.45	7.29	8.17	9.09					
390	5.93	6.79	7.71	8.67	9.67					
400	6.19	7.14	8.15	9.21						
410	6.46	7.52	8.63	9.76						
420	6.74	7.92	9.15							
430	7.03	0.35	9.70							

TABLE 68. AIRCRAFT PERFORMANCE, TAKEOFF (DC-10-10)
CF6-6D ENGINE, 15" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	408.0	400.6	393.6	386.2	378.7	371.1	363.1	355.0	346.5
55	408.1	400.6	393.5	386.2	378.7	371.1	363.2	355.0	346.5
60	408.3	400.6	393.4	386.1	378.7	371.1	363.3	355.0	346.5
65	408.5	400.6	393.2	385.9	378.6	371.1	363.3	355.0	341.2
70	408.6	400.6	393.1	385.8	378.6	371.1	3b0.8	347.6	334.5
75	408.6	400.6	393.0	305.7	378.5	365.4	352.4	339.9	327.6
80	408.9	400.6	392.9	382.8	369.1	356.2	343.9	332.1	320.5
85	409.0	400.6	386.0	372.3	359.4	347.1	335.4	324.1	313.1
90	403.6	388.8	374.9	362.0	349.7	338.1	326.9	316.1	305.5
95	391.1	377.3	364.2	352.0	340.3	329.2	318.4	307.9	297.6
100	379.6	366.4	354.1	342.4	331.2	320.4	309.9	299.6	289.4
105	369.1	356.5	344.7	333.3	322.4	311.8	301.5	291.2	
110	360.0	347.7	336.1	324.9	314.1	303.5			

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	44.1	46.0	48.2	50.6	53.2	56.1	59.3	62.7	66.3
55	44.5	46.4	48.6	51.0	53.7	56.6	59.8	63.3	67.1
60	44.8	46.0	49.0	51.5	54.1	57.0	60.2	63.8	67.6
65	45.0	47.2	49.4	51.9	54.5	57.4	60.6	64.2	68.8
70	45.3	47.5	49.8	52.2	5b.9	57.8	61.4	65.9	70.8
75	45.6	47.8	50.2	52.6	55.3	59.1	63.3	67.9	73.1
80	46.0	48.2	50.5	53.4	57.0	61.0	65.4	70.3	75.7
85	46.3	48.5	51.8	55.2	59.0	63.1	67.8	73.0	70.8
90	47.2	50.3	53.6	57.2	61.1	65.5	70.4	75.9	82.2
95	48.8	52.0	55.4	59.2	63.3	68.0	73.2	79.2	R5.9
100	50.5	53.0	57.4	61.4	65.8	70.7	76.3	82.7	90.0
105	52.3	55.7	59.5	63.7	68.3	73.6	79.7	06.5	
110	54.1	57.8	61.7	66.1	71.1	76.8			

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 40	50	60	70	80	90
280	4.00	4.22	4.99	5.76	6.54	7.35
290	4.00	4.47	5.32	6.17	7.02	7.87
300	4.00	4.72	5.66	6.60	7.52	8.41
310	4.02	5.00	6.02	7.04	8.04	8.96
320	4.23	5.28	6.39	7.50	8.56	9.51
330	4.44	5.58	6.78	7.98	9.09	10.05
340	4.67	5.89	7.18	8.46	9.63	10.59
350	4.90	6.21	7.60	8.95	10.16	
360	5.13	6.55	8.03	9.45	10.68	
370	5.38	6.89	8.46	9.94		
380	5.63	7.25	8.91	10.44		
390	5.89	7.63	9.36	10.92		
400	6.17	8.01	9.82			
410	6.45	0.40	10.29			
420	6.74	0.81	10.75			
430	7.04	9.23	11.23			

TABLE 69. AIRCRAFT PERFORMANCE, TAKEOFF (DC-10-10)
CF6-6D ENGINE, 10" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	424.5	416.9	409.0	401.5	393.7	385.6	377.2	368.8	359.5
55	424.7	416.9	408.9	401.4	393.6	385.6	377.3	368.8	359.5
60	424.9	416.9	408.8	401.2	393.5	385.6	377.4	368.8	359.5
65	425.0	416.9	408.8	401.0	393.4	385.6	377.5	368.8	354.4
70	425.1	416.9	409.7	400.7	393.3	385.6	375.0	361.2	347.5
75	425.2	416.9	408.6	400.5	393.2	379.6	366.2	353.2	340.2
80	425.4	416.9	408.5	397.8	383.4	370.0	357.3	344.9	332.5
85	425.5	416.9	401.1	386.6	373.2	360.5	348.3	336.4	324.5
90	419.8	404.0	389.4	375.9	363.2	351.1	339.4	327.8	316.3
95	406.5	391.9	378.4	365.6	353.5	341.8	330.5	319.2	307.9
100	394.4	380.8	368.0	355.7	344.0	332.7	321.6	310.5	299.4
105	383.6	370.6	358.2	346.3	334.8	323.7	312.8	301.9	
110	374.0	361.2	349.0	337.2	325.9	314.8			

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	46.4	48.6	51.0	53.6	56.4	59.5	62.9	66.6	70.7
55	46.8	49.0	51.3	54.0	56.8	60.0	63.4	67.3	71.5
60	47.1	49.4	51.8	54.4	57.3	60.4	63.9	67.8	72.1
65	47.5	49.8	52.3	54.9	57.8	60.9	64.4	68.2	73.3
70	47.9	50.2	52.7	55.4	58.3	61.4	65.3	70.2	75.4
75	48.3	50.7	53.2	55.8	58.8	62.8	67.4	72.4	77.8
80	48.6	51.0	53.5	56.6	60.5	64.9	69.7	74.9	80.7
83	49.0	51.3	54.8	58.6	62.7	67.2	72.2	77.7	83.9
90	49.7	53.2	56.8	60.7	65.0	69.7	75.0	80.9	87.5
95	51.6	55.1	58.9	62.9	67.4	72.4	78.0	84.4	91.5
100	53.5	57.1	61.1	65.3	70.0	75.3	81.3	88.2	95.9
105	55.4	59.2	63.3	67.8	72.8	78.5	84.9	92.3	
110	57.2	61.3	65.7	70.4	75.7	81.8			

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 40	50	60	70	80	90	100
280	4.00	4.21	4.99	5.78	6.56	7.32	8.05
290	4.00	4.46	5.31	6.17	7.02	7.85	8.63
300	4.00						
310	4.07	4.73 5.00	6.00 5.65	6.58 7.02	8.03 7.51	9.00 8.41	9.25 9.90
320	4.29	5.29	6.36	7.47	8.57	9.62	10.58
330	4.51	5.59	6.75	7.94	9.13	10.26	11.30
340	4.75	5.90	7.15	8.43	9.71	10.94	12.05
350	4.99	6.22	7.56	8.94	10.32	11.64	
360	5.23	6.55	7.99	9.47	10.95	12.37	
370	5.49	6.90	8.43	10.02	11.61		
380	5.75	7.26	6.69	10.59	12.29		
390	6.03	7.62	9.37	11.18	12.99		
400	6.31	8.01	9.86	11.78			
410	6.60	8.40	10.36	12.41			
420	6.90	8.80	10.88	13.05			
430	7.22	9.22	11.42				

TABLE 70. AIRCRAFT PERFORMANCE, TAKEOFF (DC-10-10)
CF6-6D ENGINE, 5" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	430.0	430.0	425.7	417.8	409.7	401.0	392.2	383.3	374.0
55	430.0	430.0	425.6	417.7	409.6	401.0	392.3	383.3	374.0
60	430.0	430.0	425.5	417.7	409.5	401.0	392.4	383.3	374.0
65	430.0	430.0	425.4	417.4	409.3	401.0	392.4	383.3	368.9
70	430.0	430.0	425.3	417.2	409.2	401.0	389.8	375.5	362.0
75	430.0	430.0	425.2	417.1	409.1	394.6	380.5	367.1	354.5
80	430.0	430.0	425.1	413.9	398.7	384.6	371.2	358.6	346.4
85	430.0	430.0	417.4	402.3	388.1	374.7	362.0	349.8	338.0
90	430.0	420.2	405.3	391.2	377.8	365.1	352.8	341.0	329.4
95	422.5	407.8	393.8	380.5	367.9	35S.6	343.7	332.0	320.5
100	410.1	396.2	383.0	370.3	358.1	346.2	334.6	323.1	311.6
105	398.9	385.5	372.7	360.4	348.5	336.9	325.4	314.1	
110	389.0	375.6	362.9	350.7	339.0	327.5			

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	50.4	52.7	55.4	58.2	61.4	64.9	68.7	72.9	77.3
55	50.8	53.2	55.9	58.8	61.9	65.4	69.2	73.4	78.0
60	51.2	53.7	56.4	59.3	62.5	66.0	69.9	74.1	78.9
65	51.6	54.2	56.9	59.9	63.1	66.7	70.5	74.8	80.3
70	52.0	54.6	57.4	60.4	63.7	67.1	71.4	76.8	82.5
75	52.4	55.0	57.9	60.9	64.0	68.6	73.7	79.3	85.3
80	52.7	55.4	58.2	61.6	66.1	71.0	76.3	82.1	88.5
85	53.1	55.7	59.7	63.9	68.5	73.6	79.1	85.3	92.1
90	54.1	57.9	61.9	66.3	71.1	76.4	82.2	88.8	96.2
95	56.2	60.1	64.2	68.8	73.8	79.3	85.6	92.7	100.6
100	58.2	62.3	66.6	71.4	76.6	82.6	89.3	96.8	105.3
105	60.3	64.6	69.1	74.1	79.7	86.0	93.2	101.3	
110	62.5	66.9	71.8	77.1	83.0	89.8			

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 50	60	70	80	90	100	110
280	4.21	5.00	5.79	6.57	7.34	8.11	8.89
290	4.46	5.33	6.18	7.03	7.07	8.72	9.58
300	4.72	5.66	6.59	7.51	8.43	9.36	10.31
310	4.99	6.01	7.02	8.02	9.02	10.04	11.07
320	5.26	6.37	7.46	R.55	9.64	10.74	11.86
330	5.55	6.74	7.92	9.10	10.29	11.48	12.69
340	5.85	7.13	n.40	9.68	10,96	12.25	13.55
350	6.16	7.53	8.90	10.28	11.66	13105	14.44
360	6.48	7.94	9.42	10.90	12.39	13.88	15.37
370	6.82	8.37	9.95	11.54	13.14	14.74	16.33
380	7.18	8.82	10.50	12.21	13.92	15.64	17.33
390	7.55	9.28	11.07	12.89	14.73	16.56	
400	7.94	9.76	11.66	13.61)	15.56	17.51	
410	8.35	14.25	12.26	14.33	16.42		
420	A.77	10.76	12.88	15.08	17.31		
430	9.23	11.29	13.52	15.85			

TABLE 71. AIRCRAFT PERFORMANCE, TAKEOFF (DC-10-10)
CF6-6D ENGINE, 0" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	430.0	430.0	430.0	130.0	429.5	420.3	411.0	401.5	391.9
55	430.0	430.0	530.0	430.0	429.4	420.3	411.2	401.5	391.9
60	530.0	430.0	430.0	430.0	429.3	420.3	411.3	401.5	391.9
65	530.0	430.0	430.0	430.0	429.2	420.3	411.5	401.5	386.5
70	430.0	430.0	430.0	430.0	429.1	420.3	408.6	393.5	379.1
75	430.0	430.0	430.0	430.0	429.0	413.9	399.1	384.9	371.1
80	530.0	430.0	430.0	430.0	418.1	403.4	389.4	375.9	362.7
85	530.0	430.0	430.0	421.6	406.9	393.0	379.7	366.7	353.9
90	430.0	430.0	424.6	409.9	396.0	382.8	369.9	357.3	344.7
95	430.0	427.5	412.7	390.8	385.5	372.6	360.1	347.7	335.3
100	430.0	415.6	401.5	388.0	375.1	362.6	350.3	338.0	325.7
105	418.7	404.3	390.7	377.6	365.0	352.7	340.5	328.3	
110	407.5	393.6	380.3	367.5	355.1	342.9			

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	58.1	61.0	64.1	67.5	71.3	75.4	79.8	84.8	90.1
55	5n.7	61.5	65.7	68.1	71.8	76.0	80.5	85.5	91.1
60	59.1	62.1	65.3	66.7	72.5	76.7	81.2	86.3	91.9
65	59.6	G2.6	65.9	69.4	73.2	77.3	81.9	87.0	93.5
70	60.0	63.2	66.5	70.0	73.8	77.9	83.0	89.4	96.2
75	60.4	63.7	67.0	70.6	74.3	79.7	85.7	92.3	99.5
80	60.9	64.1	67.5	71.5	76.8	82.5	88.8	95.7	103.3
85	61.3	64.6	69.2	74.1	79.6	85.5	92.1	99.4	107.5
90	62.5	67.0	71.8	77.0	82.6	88.8	95.8	103.6	112.3
95	64.9	69.6	74.5	79.9	85.8	92.4	99.8	108.1	117.5
100	67.4	72.2	77.4	83.1	89.3	96.3	104.1	113.1	123.2
105	69.9	75.0	80.4	86.3	92.9	100.3	108.8	118.4	
110	72.5	77.8	83.5	89.8	96.8	104.7			

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 50	60	70	80	90	100	110	120	130
280	4.23	5.00	5.78	6.58	7.38	8.17	8.95	9.70	10.42
290	4.49	5.32	6.17	7.03	7.90	8.76	9.60	10.42	11.21
300	4.76	5.65	6.57	7.51	8.55	9.38	10.30	11.19	12.06
310	5.03	6.00	6.99	8.00	9.02	10.03	11.03	12.01	12.96
320	5.31	6.36	7.43	8.52	9.62	10.71	11.80	12.87	13.92
330	5.60	6.74	7.89	9.06	10.24	11.42	12.61	13.79	14.96
340	5.90	7.12	8.37	9.62	10.69	12.17	13.46	14.76	16.06
350	6.21	7.53	8.86	10.20	11.56	12.95	14.35	15.78	17.24
360	6.53	7.94	9.36	10.80	12.27	13.76	15.29	16.67	
370	6.86	6.37	9.89	11.42	12.99	14.60	16.28		
380	7.21	0.81	10.43	12.06	13.74	15.48	17.31		
390	7.57	9.27	10.98	12.72	lb.52	16.40			
400	7.94	9.74	11.55	13.40	15.32	17.35			
410	8.33	10.23	12.14	14.09	16.15				
420	8.74	10.73	12.74	14.81	17.00				
430	9.16	11.24	13.35	15.54	17.87				

TABLE 72. AIRCRAFT PERFORMANCE, LANDING (L-1011-385-1)
RB.211-22B ENGINE, 42" FLAPS

MAXIMUM ALLOWABLE LANDINGWEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	358.0	358.0	358.0	358.0	358.0	358.0	358.0	358.0	358.0
55	358.0	358.0	358.0	358.0	358.0	358.0	358.0	358.0	358.0
60	358.0	358.0	358.0	358.0	358.0	358.0	358.0	358.0	358.0
65	358.0	358.0	358.0	358.0	358.0	358.0	358.0	358.0	358.0
70	350.0	358.0	358.0	358.0	358.0	358.0	358.0	358.0	358.0
75	358.0	358.0	358.0	358.0	358.0	358.0	358.0	358.0	357.4
80	358.0	358.0	358.0	358.0	358.0	358.0	358.0	358.0	349.5
85	358.0	358.0	358.0	358.0	358.0	358.0	358.0	355.3	341.6
90	358.0	358.0	350.0	358.0	358.0	358.0	358.0	347.1	333.8
95	358.0	358.0	358.0	358.0	358.0	358.0	352.8	339.0	326.0
100	358.0	358.0	358.0	358.0	358.0	358.0	345.0	331.2	318.4
105	358.0	358.0	358.0	358.0	358.0	351.2	336.8	323.4	310.8
110	358.0	358.0	358.0	358.0	355.6	341.8	328.7	315.9	303.4

RUNWAY LENGTH (1000 FRET)

WEIGHT 1000 LBS	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
260	5.20	5.31	5.44	5.57	5.70	5.84	5.98	6.12	6.25
270	5.37	5.48	5.60	5.73	5.86	6.00	6.15	6.30	6.44
280	5.52	5.63	5.76	5.89	6.03	6.17	6.32	6.47	6.63
290	5.67	5.79	5.91	6.05	6.19	6.34	6.49	6.65	6.81
300	5.81	5.93	6.07	6.21	6.35	6.50	6.66	6.82	6.99
310	5.94	6.08	6.22	6.36	6.51	6.67	6.83	6.99	7.17
320	6.07	6.22	6.37	6.52	6.67	6.83	6.99	7.16	7.34
330	6.21)	6.35	6.51	6.66	6.82	6.08	7.15	7.32	7.50
340	6.33	6.49	6.65	6.81	6.97	7.13	7.30	7.48	7.66
350	6.45	6.62	6.78	6.94	7.10	7.27	7.44	7.62	7.82
360	6.58	6.75	6.90	7.06	7.23	7.40	7.57	7.77	7.97

AIRPLANE CHARACTERISTICS	UNIT OF MEASURE	
TYPICAL OPERATING EMPTY WEIGHT PLUS RESERVE FUEL	LBS.	270,300
AVERAGE PURL CONSUMPTION	LBS./MILE	34
TYPICAL MAXIMUM PASSENGER LOAD @200 LBS./PASSENGER	LBS.	51,200
MAXIMUM STRUCTURAL PAYLOAD	LBS.	86,183

TABLE 73. AIRCRAFT PERFORMANCE, TAKEOFF (L-1011-385-1)
RB.211-22B ENGINE, 27" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	422.3	412.3	402.4	392.7	383.0	373.4	363.9	354.3	344.8
55	422.3	412.3	402.4	392.7	383.0	373.4	363.9	35b.3	344.8
60	422.3	412.3	402.4	392.7	383.0	373.4	363.9	353.3	340.4
65	422.3	412.3	402.4	392.7	383.0	373.4	361.0	347.5	334.6
70	422.3	412.3	402.4	392.7	382.8	368.4	35b.5	3b1.2	328.4
75	422.3	412.3	402.4	390.3	375.6	361.4	347.7	334.5	321.8
80	422.3	412.3	397.5	382.5	368.0	354.0	340.5	327.5	315.0
85	420.5	404.6	389.2	374.4	360.1	346.4	333.1	320.3	308.0
90	411.5	395.8	380.7	366.1	352.1	338.6	325.6	313.0	300.9
95	402.3	306.9	372.1	357.8	344.1	330.8	318.1	305.7	293.8
100	393.1	378.0	363.6	349.6	336.1	323.1	310.6	298.5	286.8
105	384.0	369.4	355.2	341.6	328.4	315.6	303.4	291.5	280.1
110	375.2	361.0	347.2	333.9	320.9	308.5	296.4	284.8	

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	49.3	52.2	55.5	59.1	63.0	67.2	71.9	77.1	82.7
55	49.8	52.8	56.1	59.7	63.6	67.9	72.7	77.9	83.6
60	50.1	53.2	56.6	60.2	64.2	68.6	73.3	78.3	85.3
65	50.5	53.6	56.9	60.6	6b.7	69.1	74.4	81.0	88.2
70	50.8	53.9	57.3	61.1	64.9	70.7	77.0	n3.9	91.3
75	51.1	54.3	57.7	61.8	67.1	73.1	79.7	86.9	94.7
80	51.6	54.8	58.9	63.9	69.6	75.8	82.7	90.1	98.2
85	52.5	56.4	61.0	66.2	72.1	78.6	85.8	93.6	101.9
90	54.3	58.4	63.3	68.7	74.8	81.6	89.1	97.2	106.0
95	56.2	60.6	65.6	71.3	77.7	84.8	92.6	101.0	110.2
100	58.2	62.9	68.2	74.1	80.8	88.2	96.3	105.1	11b.8
105	60.4	65.3	70.9	77.1	84.0	91.7	100.2	109.5	119.6
110	62.7	67.9	73.7	80.2	R7.4	95.4	104.3	114.0	

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 40	50	60	70	80	90	100	110	120
260	4.00	4.00	4.00	4.00	4.27	4.74	5.22	5.70	6.16
270	4.00	4.00	4.00	4.11	4.61	5.14	5.66	6.18	6.69
280	4.00	4.00	4.00	4.41	4.97	5.55	6.12	6.69	7.25
290	4.00	4.00	b.12	4.72	5.35	5.98	6.61	7.23	7.83
300	4.00	4.00	4.39	5.06	5.74	6.43	7.11	7.78	8.44
310	4.00	4.00	b.68	5.41	6.15	6.90	7.64	8.37	9.09
320	4.00	4.19	4.98	5.78	6.58	7.39	8.19	8.98	9.76
330	4.00	4.45	5.31	6.17	7.04	7.90	8.76	9.62	10.47
340	4.00	4.72	5.65	6.58	7.51	8.44	9.36	10.29	11.21
350	4.w	5.00	6.00	7.00	8.00	9.00	9.99	10.99	11.99
360	4.21	5.30	6.38	7.45	8.51	9.58	10.65	11.73	12.82
370	4.44	5.61	6.77	7.91	9.05	10.19	11.34	12.50	13.68
380	4.M	5.93	7.17	n.39	9.61	10.83	12.06	13.31	14.59
390	4.92	6.27	7.59	8.89	10.19	11.49	12.81	14.16	
400	5.10	6.62	8.02	9.41	10.79	12.18	13.59		
410	5.44	6.98	8.47	9.95	11.42	12.90	14.41		
420	5.71	7.35	8.94	10.50	12.07	13.65			
430	5.98	7.73	9.42	11.06	12.74	14.43			

TABLE 76. AIRCRAFT PERFORMANCE, TAKEOFF (L-1011-385-1)
RB.211-22B ENGINE, 10' FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	430.0	430.0	43n.0	430.0	423.7	413.2	402.5	392.0	381.8
55	430.0	430.0	430.0	430.0	423.7	413.2	402.3	392.0	381.8
60	430.0	430.0	430.n	430.0	423.7	413.2	402.5	390.4	375.8
65	430.0	430.0	430.0	430.0	423.7	413.2	399.2	384.0	369.3
70	430.0	430.0	430.0	430.0	423.7	407.6	392.1	376.9	362.3
75	430.0	430.0	430.0	430.0	415.6	399.9	384.4	369.4	355.0
80	430.0	430.6	430.0	423.3	407.3	391.6	376.4	361.6	347.4
85	430.0	430.0	430.0	414.3	398.4	383.0	368.1	353.6	339.7
90	430.0	430.0	421.0	404.9	389.3	374.2	359.6	345.5	332.0
95	430.0	427.6	411.3	395.5	380.2	365.4	351.2	337.5	324.2
100	430.6	417.6	401.6	386.1	371.2	356.8	342.9	329.5	316.6
105	42b.2	407.9	392.2	377.1	362.5	348.5	334.9	321.9	309.2
110	414.8	398.8	383.4	368.6	334.4	340.6	327.4	314.6	

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	53.2	S6.3	59.8	63.5	67.6	72.2	77.2	82.7	88.7
55	53.7	56.9	60.4	44.2	68.3	72.9	77.9	83.4	89.1
60	54.1	57.4	60.9	64.7	66.9	73.6	78.6	84.2	91.6
65	54.5	57.8	61.4	65.2	69.5	74.2	79.7	86.7	94.6
75	54.9	5n.2	61.8	65.8	69.7	75.7	82.3	89.6	97.8
80	55.7 55.3	58.7 59.2	62.3 63.6	66.5	72.1 74.6	81.0 78.2	85.1	92.7	101.2
							88.2	96.1	lob.9
85	16.7	61.0	65.9	71.3	77.3	64.1	91.5	99.8	108.9
90	58.6	63.2	68.2	73.9	80.3	87.3	95.1	103.7	113.1
95	60.6	65.4	70.8	74.7	03.4	90.7	98.8	107.8	117.6
100	62.8	67.11	73.5	79.7	86.7	94.3	102.8	112.1	122.4
105	65.1	70.s	76.4	82.9	90.1	98.1	106.9	116.7	127.4
110	67.4	73.3	79.5	86.3	93.7	162.0	111.2	121.4	

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 50	60	70	80	90	100	110	120	130
260	4.50	4.50	4.50	4.66	s.17	5.67	6.17	6.67	7.16
270	4.50	4.50	4.50	5.00	S.56	6.11	6.67	7.21	7.76
280	4.50	4.50	4.75	5.37	5.98	6.59	7.19	7.80	8.39
290	4.50	4.50	5.08	5.75	6.42	7.09	7.75	8.41	9.07
300	4.50	4.69	5.42	6.16	6.89	7.61	8.34	9.06	9.78
310	4.50	4.99	5.79	6.58	7.38	8.17	8.96	9.75	10.53
320	4.50	S.31	6.17	7.03	7.89	8.75	9.61	10.47	11.32
330	4.71	5.64	6.58	7.51	8.44	9.37	10.30	11.23	12.16
340	4.99	5.99	7.00	8.00	9.00	10.01	11.01	12.02	13.03
350	5.28	6.36	7.44	8.52	9.60	10.68	11.76	12.85	13.94
360	5.58	6.75	7.90	9.06	10.22	11.38	12.54	13.71	lb.89
370	5.90	7.15	8.39	9.62	10.86	12.10	13.35	lb.61	15.89
380	6.23	7.56	8.89	10.21	11.53	12.86	lb.20	15.55	16.93
390	6.57	8.00	9.41	10.82	12.23	13.65	15.08	16.53	
400	6.93	8.45	9.95	11.45	12.96	14.47	16.00		
410	7.30	8.91	10.52	12.11	13.71	15.32	16.95		
420	7.68	9.40	11.10	12.79	14.49	16.20			
430	8.07	9.90	11.70	13.50	15.30	17.11			

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

MAXIMUM ALLOWABLE LANDING WEIGHT (1 000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
55	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
60	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
65	320.0	320.0	3.20.0	320.0	320.0	320.0	320.0	320.0	320.0
70	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
75	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
80	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
85	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
90	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
95	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
100	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
105	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	313.0
110	320.0	320.0	320.0	320.0	320.0	320.0	320.0		

RUNWAY LENGTH (1 000 FEET)

WEIGHT 1000 LBS	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
220	4.69	4.80	4.92	5.04	5.17	5.30	5.43	5.56	5.69
225	4.77	4.88	5.00	5.13	5.26	5.39	5.53	5.66	5.79
230	4.85	4.96	5.09	5.21	5.35	5.48	5.62	5.76	5.90
235	4.93	5.05	5.17	5.30	5.43	5.57	5.71	5.86	6.00
240	5.01	5.13	5.26	5.39	5.52	5.66	5.80	5.95	6.10
245	5.09	5.21	5.34	5.47	5.61	5.75	5.90	6.05	6.20
250	5.17	5.30	5.43	5.56	5.70	5.84	5.99	6.14	6.30
255	5.25	5.38	5.51	5.65	5.79	5.93	6.08	6.24	6.40
260	5.33	5.46	5.60	5.74	5.88	6.02	6.18	6.34	6.50
265	5.41	5.55	5.68	5.82	5.97	6.12	6.27	6.43	6.60
270	5.49	5.63	5.77	5.91	6.06	6.21	6.36	6.53	6.70
275	5.57	5.71	5.86	6.00	6.15	6.30	6.46	6.62	6.80
280	5.65	5.80	5.94	6.09	6.24	6.39	6.55	6.72	6.89
285	5.73	5.88	6.03	6.17	6.33	6.48	6.64	6.81	6.99
290	5.81	5.96	6.11	6.26	6.42	6.57	6.74	6.91	7.09
295	5.89	6.04	6.20	6.35	6.51	6.67	6.83	7.01	7.19
300	5.97	6.12	6.28	6.43	6.59	6.76	6.93	7.11	7.29
305	6.05	6.20	6.36	6.52	6.68	6.85	7.02	7.20	7.39
310	6.12	6.28	6.44	6.61	6.77	6.94	7.12	7.30	7.50
315	6.20	6.36	6.53	6.69	6.86	7.03	7.21	7.40	7.60
320	6.27	6.44	6.61	6.77	6.95	7.12	7.31	7.50	7.71

AIRPLANE CHARACTERISTICS	UNIT OF MEASURE	MODEL 767-300 ER TYPICAL ENGINE/WEIGHT CONFIGURATIONS			
MAXIMUM DESIGN TAKEOFF WEIGHT	POUNDS	380,000	387,000	400,000	407,000
MAXIMUM DESIGN LANDING WEIGHT	POUNDS	300,000	300,000	320.000	320.000
TYPICAL OPERATING EMPTY WEIGHT PLUS RESERVE PUEL 1/	POUNDS	205,038	205,038	206.236	209.638
AVERAGE FUEL CONSUMPTION 2/	POUNDS/MILES	19.2	19.2	19.2	19.2
TYPICAL MAXIMUM PASSENGER LOAD @ 200 POUNDS/PASSENGER	POUNDS	4LA.000 NIXED (24 FC + 46 BUS + 150 TOURIST) 58,000 ALL-ECONOMY (290 TOURIST)			
MAXIMUM STRUCTURAL PAYLOAD	POUNDS	84,157	84,057	92.957	96.557

1/ Bared 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. XIX. September 1985.

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

MAXIMUM ALLOWABLE LANDING WEIGHT (1 000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
55	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
60	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
65	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
70	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
75	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
80	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
85	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
90	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0
95	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	315.5
100	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	307.0
105	320.0	320.0	320.0	320.0	320.0	320.0	320.0	312.0	299.0
110	320.0	320.0	320.0	320.0	320.0	320.0	315.0		

RUNWAY LENGTH (1 000 FEET)

WEIGHT 1000 LBS	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
220	4.37	4.46	4.56	4.66	4.78	4.91	5.04	5.17	5.29
225	4.45	4.54	4.64	4.75	4.88	5.00	5.13	5.27	5.39
230	4.53	4.62	4.73	4.84	4.97	5.10	5.23	5.36	5.49
235	4.61	4.71	4.81	4.93	5.06	5.19	5.33	5.46	5.59
240	4.69	4.79	4.90	5.02	5.15	5.29	5.43	5.56	5.69
245	4.77	4.87	4.99	5.11	5.24	5.38	5.52	5.66	5.79
250	4.85	4.96	5.07	5.20	5.33	5.47	5.61	5.75	5.88
255	4.93	5.04	5.16	5.29	5.42	5.57	5.71	5.85	5.98
260	5.01	5.12	5.24	5.38	5.51	5.66	5.80	5.94	6.08
265	5.09	5.21	5.33	5.46	5.60	5.75	5.90	6.04	6.18
270	5.17	5.29	5.41	5.55	5.69	5.84	5.99	6.14	6.28
275	5.25	5.37	5.50	5.64	5.78	5.93	6.08	6.23	6.38
280	5.33	5.45	5.59	5.72	5.87	6.02	6.17	6.33	6.49
285	5.41	5.54	5.67	5.81	5.96	6.11	6.27	6.43	6.59
290	5.49	5.62	5.76	5.90	6.05	6.20	6.36	6.53	6.70
295	5.57	5.70	5.84	5.98	6.13	6.29	6.46	6.63	6.81
300	5.65	5.79	5.93	6.07	6.22	6.38	6.55	6.73	6.92
305	5.73	5.87	6.01	6.16	6.31	6.47	6.65	6.84	7.04
310	5.82	5.95	6.10	6.24	6.40	6.56	6.74	6.94	7.16
315	5.90	6.04	6.18	6.33	6.49	6.66	6.84	7.05	7.28
320	5.98	6.12	6.26	6.41	6.57	6.75	6.94	7.16	7.41

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

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1 000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	408.0	408.0	408.0	398.5	388.0	378.0	367.5	357.5	347.0
55	408.0	408.0	408.0	398.5	388.0	378.0	367.5	357.5	347.0
60	408.0	408.0	408.0	398.5	388.0	378.0	367.5	357.5	344.0
65	408.0	408.0	408.0	398.5	388.0	378.0	366.7	353.1	339.5
70	408.0	408.0	408.0	398.5	388.0	375.0	360.9	347.4	334.4
75	408.0	408.0	408.0	398.5	383.4	368.8	354.7	341.4	328.8
80	408.0	408.0	406.8	391.6	376.6	362.1	348.1	334.9	322.6
85	408.0	408.0	398.9	384.2	369.5	355.1	341.2	328.1	316.0
90	408.0	405.3	391.0	376.5	361.9	347.7	334.0	321.1	309.1
95	408.0	397.1	382.9	368.5	354.1	340.1	326.6	313.7	301.8
100	402.6	388.6	374.5	360.2	346.1	332.2	318.9	306.2	294.4
105	393.8	379.8	365.7	351.6	337.8	324.2	311.0	298.5	286.7
110	384.1	370.4	356.6	342.8	329.2	316.0	303.1	290.7	279.0

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	53.1	56.1	59.2	62.6	66.2	70.2	74.7	79.7	85.4
55	53.5	56.2	59.3	62.8	66.7	71.1	75.8	80.9	86.3
60	53.8	56.4	59.5	63.3	67.5	72.1	77.0	82.3	87.7
65	54.1	56.7	60.0	64.0	68.4	73.3	78.5	83.9	89.4
70	54.5	57.2	60.8	64.9	69.6	74.7	80.2	85.8	91.6
75	55.0	58.0	61.7	66.1	71.0	76.3	82.1	88.0	94.2
80	55.6	58.9	62.9	67.5	72.6	78.2	84.2	90.5	97.2
85	56.4	60.1	64.3	69.1	74.4	80.3	86.6	93.3	100.5
90	57.4	61.5	66.0	71.0	76.5	82.6	89.2	96.4	104.2
95	58.8	63.2	67.9	73.1	78.8	85.1	92.1	99.7	108.2
100	60.5	65.2	70.2	75.5	81.4	87.9	95.2	103.4	112.6
105	62.6	67.5	72.7	78.2	84.2	91.0	98.7	107.4	117.3
110	65.1	70.2	75.4	81.1	87.3	94.3	102.4	111.7	122.3

RUNWAY LENGTH (1 000 FEET.)

WEIGHT 1000 LB8	REFERENCE FACTOR "R" 50	60	70	80	90	100	110	120	130
220	2.8	3.3	3.8	4.3	4.8	5.2	5.6	6.0	6.4
230	3.0	3.5	4.1	4.6	5.1	5.6	6.1	6.5	7.0
240	3.2	3.8	4.4	4.9	5.5	6.1	6.6	7.1	7.6
250	3.4	4.1	4.7	5.3	5.9	6.5	7.1	7.7	8.3
260	3.7	4.4	5.0	5.7	6.4	7.0	7.7	8.3	9.0
270	3.9	4.7	5.4	6.1	6.8	7.6	8.3	9.0	9.7
280	4.2	5.0	5.8	6.5	7.3	8.1	8.9	9.7	10.5
290	4.5	5.3	6.2	7.0	7.9	8.7	9.6	10.4	11.3
300	4.7	5.6	6.6	7.5	8.4	9.4	10.3	11.2	12.1
310	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
320	5.3	6.4	7.5	8.6	9.7	10.7	11.8	12.9	13.9
330	5.6	6.8	8.0	9.2	10.3	11.5	12.6	13.8	14.8
340	6.0	7.2	8.5	9.8	11.0	12.3	13.5	14.7	
350	6.3	7.7	9.1	10.4	11.8	13.1	14.4		
360	6.7	8.2	9.6	11.1	12.6	14.0	15.3		
370	7.1	8.7	10.2	11.8	13.4	14.9			
380	7.5	9.2	10.9	12.6	14.2				
390	8.0	9.8	11.6	13.4	15.1				
400	8.5	10.3	12.3	14.2					
410	9.0	11.0	13.0	15.0					

*

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

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1 000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	408.0	398.5	390.0	380.0	370.0	360.0	350.5	341.0	331.0
55	408.0	398.5	390.0	380.0	370.0	360.0	350.5	341.0	331.0
60	408.0	398.5	390.0	380.0	370.0	360.0	350.5	341.0	329.0
65	408.0	398.5	390.0	380.0	370.0	360.0	350.1	337.1	324.9
70	408.0	398.5	390.0	380.0	370.0	358.0	344.3	331.6	320.1
75	408.0	398.5	390.0	380.0	366.2	351.9	338.4	325.9	314.8
80	408.0	398.5	388.5	373.9	359.5	345.5	332.2	319.9	308.9
85	408.0	394.9	380.8	366.5	352.4	338.8	325.7	313.6	302.7
90	400.9	387.0	372.9	358.9	345.2	331.8	319.1	307.1	296.0
95	393.1	379.0	365.0	351.2	337.7	324.6	312.1	300.2	289.1
100	385.0	370.9	357.0	343.4	330.1	317.3	304.9	293.1	281.9
105	376.4	362.6	349.0	335.5	322.4	309.7	297.4	285.7	274.5
110	367.0	354.1	341.0	327.8	314.7	301.9	289.6	277.9	267.0

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	50.1	53.0	55.9	58.9	62.0	65.5	69.4	73.9	79.2
55	50.3	53.0	55.8	58.8	62.1	65.9	70.1	74.9	80.5
60	so.5	53.1	55.9	59.0	62.6	66.5	71.0	76.1	81.9
65	50.7	53.3	56.2	59.5	63.3	67.5	72.3	77.6	83.5
70	51.1	53.7	56.8	60.3	64.3	68.8	73.8	79.3	85.3
7s	51.5	54.3	57.6	61.3	65.6	70.3	75.5	81.3	87.5
80	52.1	55.1	58.6	62.6	67.1	72.1	77.6	83.5	89.9
85	52.9	56.2	59.9	64.2	68.9	74.1	79.9	86.1	92.8
90	53.9	57.5	61.5	65.9	70.9	76.4	82.4	89.0	96.2
95	55.2	59.0	63.3	67.9	73.1	78.8	85.2	92.3	100.1
100	56.8	60.9	65.3	70.1	75.5	81.5	88.3	95.9	104.6
105	58.6	63.1	67.6	72.6	78.1	84.3	91.5	100.0	109.8
110	60.9	65.6	70.3	75.2	80.8	87.3	95.1	104.4	115.7

RUNWAY LENGTH (1 000 FEET)

WEIGHT 1000 LB8	REFERENCE FACTOR "R" so	60	70	80	90	100	110	120
220	2.9	3.4	3.8	4.3	4.7	5.2	5.6	6.0
230	3.1	3.6	4.1	4.5	5.1	5.6	6.1	6.6
240	3.3	3.8	4.4	4.9	5.5	6.1	6.6	7.1
250	3.5	4.1	4.7	5.3	5.9	6.5	7.1	7.7
260	3.7	4.4	5.0	5.7	6.4	7.0	7.7	8.3
270	3.9	4.7	5.4	6.1	6.8	7.5	8.3	9.0
280	4.2	5.0	5.8	6.5	7.3	8.1	8.9	9.7
290	4.4	5.3	6.2	7.0	7.8	8.7	9.5	10.4
300	4.7	5.7	6.6	7.5	8.4	9.3	10.2	11.2
310	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0
320	5.3	6.4	7.5	8.6	9.7	10.7	11.8	12.8
330	5.6	6.8	8.0	9.2	10.3	11.4	12.5	
340	5.9	7.3	8.6	9.8	11.0	12.2	13.3	
350	6.3	7.7	9.1	10.5	11.8	13.0		
360	6.7	8.2	9.7	11.1	12.5			
370	7.1	8.7	10.3	11.8	13.3			
380	7.5	9.2	10.9	12.6				
390	7.9	9.8	11.6	13.3				
400	8.4	10.3	12.2					
410	8.9	10.9	12.9					

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

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1 000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
SO	387.0	379.0	370.0	361.0	351.0	342.0	332.5	323.0	314.0
55	387.0	379.0	370.0	361.0	351.0	342.0	332.5	323.0	314.0
60	387.0	379.0	370.0	361.0	351.0	342.0	332.5	323.0	311.9
65	387.0	379.0	370.0	361.0	351.0	342.0	332.0	319.8	308.1
70	387.0	379.0	370.0	361.0	351.0	339.9	327.1	315.1	303.6
75	387.0	379.0	370.0	361.0	347.6	334.3	321.7	309.8	298.5
80	387.0	379.0	369.5	355.0	341.3	328.2	315.9	304.1	292.9
85	387.0	376.1	361.8	348.0	334.7	321.9	309.6	298.0	286.9
90	381.7	367.9	354.3	340.9	327.9	315.2	303.1	291.5	280.6
95	373.2	360.0	346.8	333.7	320.9	308.4	296.3	284.8	273.9
100	365.0	352.2	339.3	326.4	313.8	301.4	289.4	277.9	267.1
105	357.0	344.3	331.6	319.0	306.5	294.2	282.3	270.9	260.1
110	348.9	336.3	323.8	311.4	299.1	287.0	275.2	263.9	253.0

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50	45.0	47.1	49.7	52.6	56.0	59.6	63.5	67.7	72.0
55	45.2	47.3	49.9	52.8	56.1	59.9	64.0	68.4	73.2
60	45.5	47.6	50.2	53.2	56.6	60.5	64.7	69.4	74.6
65	45.7	48.0	50.6	53.8	s7.4	61.4	65.8	70.8	76.2
70	46.0	48.4	51.3	54.6	58.4	62.6	67.3	72.4	77.9
75	46.4	49.0	52.0	55.6	59.6	64.1	68.9	74.2	79.9
80	46.9	49.7	53.0	56.8	61.1	65.8	70.9	76.3	82.2
85	47.6	SO.6	54.1	S8.2	62.7	67.7	73.0	78.7	84.6
90	48.4	51.7	55.5	59.8	64.6	69.8	75.4	81.3	87.4
9s	49.5	53.0	57.0	61.6	66.6	72.1	77.9	84.0	90.4
100	50.9	54.5	SO.8	63.5	68.8	74.5	80.5	87.0	93.7
105	52.5	56.4	60.8	65.7	71.1	77.0	83.3	90.1	97.4
110	54.5	58.5	63.0	68.0	73.5	79.5	86.2	93.4	101.4

RUNWAY LENGTH (1 000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 40	50	60	70	80	90	100
220	2.1	2.7	3.2	3.7	4.2	4.7	5.2
230	2.3	2.9	3.5	4.0	4.5	5.0	5.5
240	2.5	3.1	3.8	4.3	4.9	5.4	5.9
250	2.7	3.4	4.0	4.7	5.2	5.8	6.4
260	2.9	3.6	4.3	5.0	5.6	6.3	6.9
270	3.1	3.9	4.6	5.4	6.0	6.8	7.5
280	3.3	4.2	5.0	5.7	6.5	7.3	8.1
290	3.6	4.4	5.3	6.1	7.0	7.9	8.8
300	3.8	4.7	5.6	6.6	7.5	8.5	9.5
310	4.0	5.0	6.0	7.0	8.0	9.1	10.2
320	4.2	5.3	6.4	7.5	8.6	9.7	10.8
330	4.5	5.6	6.8	8.0	9.2	10.3	
340	4.7	6.0	7.2	8.5	9.8	11.0	
350	5.0	6.3	7.7	9.1	10.4		
360	5.3	6.7	8.2	9.7	11.1		
370	5.6	7.1	8.7	10.3			
380	6.0	7.6	9.3	11.0			
390	6.4	8.0	9.9				
400	6.8	8.6	10.5				

TABLE 74. AIRCRAFT PERFORMANCE, TAKEOFF (L-1011-385-1)
RB.211-22B ENGINE, 22" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4oo0	5000	6000	7000	8000
so	430.0	420.0	418.0	407.9	397.8	307.7	377.7	367.9	3s8.3
55	430.0	428.0	418.0	407.9	397.8	307.7	377.7	367.9	358.3
60	430.0	428.0	416.0	407.9	39710	387.7	377.7	36617	353.0
70	430.0	428.0	418.0	407.9	397.8	387.7	374.6	360.s	346.8
75	430.0	428.0 42a.o	41a.0 4ao	40s.2 4079	397.4 389.9	375.2 3825	368.9 3680	347.0	333.6 3403
80									
85	430.0 430.0	419.5	412 4053	397.0 38A.S	382.0 373.8	367.5 3S9.6	3S3.S 345.8	339.9 332.6	326.7 319.8
90	426.S	410.4	394.9	379.9	365.4	351.S	338.1	325.2	312.8
95									
100	417.1 407.7	401.2 392.1	38S.9 377.0	371.2 362.6	357.0	343.4 33S.S	330.4 322.8	317.8 310.S	3oS.7 298.8
10s	398.5	3R3.1	368.3	3S4.2	340.7	327.8	315.3	303.4	291.a
110	389.6	374.4	360.0	346.2	333.1	320.4	300.3	296.5	285.1

R R - FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	SO00	6000	7000	aooo
50	so.7	s3.7	57.0	60.6	64.S	68.8	73.6	78.7	84.4
55	51.0	s4.1	S7.S	61.2	65.1	69.5	74.2	79.4	as.0
60	51.5	54.6	18.0	61.7	6S.7	70.1	74.9	80.2	87.4
65							76.2	82.9	90.4
70	11.9 S2.2	15.0 SS.4	58.8	62.1 62.6	66.2 66.7	70.7 72.4	70.8	85.8	93.6
7s	S2.6	55.8	S9.2	63.6	69.0	74.9	81.6	88.9	96.9
80	53.0	56.2	60.0	6S.8	71.4	77.6	84.5	92.1	100.1
85	S4.1	M.3	62.9	68.2	74.0	80.5	07.7	95.6	104.3
90	56.0	60.3	65.2	70.7	76.6	03.s	91.0	99.2	108.3
9s	S7.9	62.S	67.7	73.4	79.7	86.8	94.s	103.1	112.5
100	60.0	64.9	70.2	76.2	02.8	90.2	90.2	107.2	117.0
105	62.2	67.3	73.0	79.2	86.1	93.7	102.2	lll.s	121.7
110	b4.S	69.9	75.9	82.4	89.6	97.S	106.3	116.0	126.7

RUNWAY LENGTH (loo0 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" SO	60	70	80	90	100	110	120	130
260	4.50	4.50	4.50	4.50	4.85	1.31	5.70	6.24	6.71
270	4.10	4.50	4.50	4.70	s.21	s.73	6.24	6.75	7.27
280	4.10	4.50	4.50	5.04	5.60	6.17	6.73	7.30	7.87
290	4.50	4.50	4.78	5.40	6.01	6.63	7.25	7.88	a.so
300	4.50	4.50	5.10	5.78	6.45	7.13	7.81	a.49	9.17
310	4.50	4.71	5.45	6.18	6.92	7.65	A.39	9.13	9.87
320	4.50	5.01	5.81	6.60	7.40	0.20	9.00	9.80	10.60
330	4.50	5.32	6.19	7.0s	7.91	8.78	9.64	10.51	11.37
340	4.72	5.65	6.59	7.52	0.4s	9.36	10.31	11.24	12.17
3so	5.00	6.00	7 . 0 0	8.01	9.01	10.01	11.01	12.01	13.00
360	S.29	6.36	7.44	8.52	9.59	10.66	11.73	12.80	13.86
370	5.59	6.74	7.89	9.0s	10.20	11.34	12.49	13.62	14.7s
380	5.90	7.13	a.37	9.60	10.82	12.0s	13.27	14.48	
390	6.23	7.55	8.86	10.17	11.48	12.78	14.07		
400	6.17	7.97	9.37	10.76	12.15	13.53	14.90		
410	6.93	0.41	9.89	11.37	12.84	14.31			
420	7.30	8.87	10.44	12.00	13.56				
430	7.68	9.34	11.00	12.66	14.30				

TABLE 75. AIRCRAFT PERFORMANCE, TAKEOFF (L-1011-385-1)
RB.211-22B ENGINE, 18" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) 0	low	2000	3000	4000	SOW	6000	7000	8000
50	430.0	430.0	427.3	417.0	406.7	396.4	386.2	376.0	366.0
55	430.0	430.0	427.3	417.0	406.7	396.4	306.2	376.0	366.0
60	430.0	430.0	427.3	417.0	406.7	396.4	386.2	375.0	360.6
65	430.0	430.0	427.3	417.0	406.7	396.4	383.3	360.5	3S4.4
70	430.0	430.0	427.3	417.0	406.7	391.1	376.1	361.7	347.7
7s	430.0	430.0	427.3	414.4	390.7	303.4	360.7	354.5	340.8
80	430.0	430.0	421.0	405.9	390.4	37s.s	361.0	347.0	333.6
85	430.0	429.0	412.9	397.2	382.0	367.3	353.1	339.4	326.2
90	430.0	419.7	403.8	30A.4	373.5	359.1	345.2	331.7	31R.7
95	426.4	410.2	394.6	379.5	365.0	350.9	337.3	324.0	311.2
100	416.7	400.0	385.5	370.0	356.5	342.0	329.4	316.4	303.8
10s	407.1	391.5	376.6	362.2	340.3	334.8	321.7	309.0	296.5
110	397.7	302.s	367.9	3s3.9	340.3	327.1	314.3	30i.a	

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) 0	1000	2000	3000	4000	5000	6000	7000	8000
50									
55	49.2 49.6	s2.2 S2.6	55.8	S0.8 s9.4	62.6 63.2	66.7 67.4	71.3 72.0	76.2 77.0	82.5
60	50.0	53.0	S6.3	S9.9	63.7	68.0	72.6	77.0	04.9
65	so.4	s3.4	56.7	60.3	64.3	60.6	73.9	86.4	07.7
70	so17	53.8	57.2	60.8	65.0	70.5	76.S	83.2	90.8
7s	51.2	S44.3	57.7	62.1	67.2	72.9	79.1	86.1	94.0
80	SI.7	S4.9	59.2	64.1	69.5	7s.4	01.9	89.2	97.3
85	S2.4	S6.6	61.2	66.3	71.0	70.0	84.8	92.4	100.8
90									
95	54.2 S6.1	58.5 60.S	63.3 65.4	68.5 70.9	74.3 76.9	00.7 03.6	87.9 91.1	95.0 99.3	108.4
100	58.0	62.6	67.7	73.4	79.7	06.7	94.5	103.0	112.5
105	60.0	64.0	70.1	76.0	82.6	89.9	90.0	107.0	116.8
110	62.0	67.1	72.7	78.9	85.7	93.4	101.8	111.1	

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 40	SO	60	70	80	90	loo	110	120
260	4.50	4.50	4.50	4.50	4.65	5.16	5.65	6.13	6.63
270	4.50	4.50	4.50	4.50	4.90	5.53	6.07	6.62	7.18
280	4.50	4.50	4.50	4.72	5.34	5.94	6.54	7.14	7.77
290	4.50	4.50	4.10	5.05	5.72	6.38	7.03	7.70	a.40
300				5.40	6.13	6.85	7.57	8.31	9.07
310	4.50	4.50 4.50	4.66 4.97	5.77	6.56	7.34	0.13	8.94	9.70
320	4.50	4.50	5.30	6.16	7.01	7.07	0.73	9.61	10.51
330	4.50	4.70	5.64	6.57	7.49	0.42	9.3s	10.30	11.20
340	4.50	4.99	5.99	6.99	7.99	0.99	10.01	11.03	12.06
3so	4.50	5.29	6.36	7.43	8.51	9.60	10.60	11.77	12.86
360	4.50	5.60	6.74	7.90	9.06	10.22	11.39	12.54	13.60
370	4.73	5.92	7.14	0.30	9.63	10.07	12.11	13.33	14.51
380	4.99	6.26	7.56	0.09	10.22	11.5s	12.86	14.13	
390	5.26	6.61	0.00	9.41	10.03	12.24	13.62	14.94	
400				9.96	11.47	12.96	14.40		
410	S.84 5.54	6.97 7.35	8.45 0.92	10.53	12.13	13.70			
420	6.14	7.74	9.41	11.11	12.81	14.45			
430	6.46	0.16	9.93	11.73	13.51				

TABLE 76. AIRCRAFT PERFORMANCE, TAKEOFF (L-1011-385-1)
RB.211-22B ENGINE, 10' FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 LBS)

TEMP °F	AIRPORT ELEVATION (FEET) n	1000	2000	3000	4000	5000	6000	7000	8000
50	430.n	430.0	430.0	430.0	423.7	b13.2	402.S	392.0	301.8
55	430.6	430.0	430.0	430.0	423.7	423.2	402.5	392.0	301.0
60	430.n	410.0	430.0	436.0	423.7	413.2	402.5	390.6	37S.8
65	430.0	430.0	430.0	430.0	423.7	613.2	S99.2	384.0	369.3
70	430.n	430.0	430.0	430.0	423.7	407.6	392.1	376.9	362.S
75	43n.n	430.0	430.0	430.0	415.6	399.9	384.4	369.4	3SS.0
80		430.0	430.0	423.3	407.3	391.b	S74.4	Ml.6	347.4
90	430.0	430.0	430.0	414.3	398.4	383.0	368.1	353.4	339.7
95	430.0	430.0	421.0	401.9	309.3	374.2	359.6	MS.3	332.0
	430.0	427.6	411.3	39S.S	380.2	36S.4	351.2	337.S	324.2
100		417.6	401.6	366.1	371.2	3M.9	362.9	329.5	316.b
105	430.0	407.9	392.2	377.1	362.5	348.5	334.9	321.9	309.2
110	414.8	398.8	383.4	368.6	354.4	340.6	327.4	314.6	

REFERENCE FACTOR "R"

TEMP °F	AIRPORT ELEVATION (FEET) n	1000	2000	3noo	4000	5000	6000	7000	8000
so	S3.2	56.3	59.8	63.5	67.6	72.2	77.2	02.7	88.7
55	s3.7	S6.9	60.4	64.2	60.3	72.9	77.9	03.4	89.5
60	54.1	57.4	60.9	64.7	60.9	73.6	78.6	04.2	91.6
65	54.5	57.8	61.4	6S.2	69.5	74.2	79.7	06.7	94.6
70	54.9	58.2	61.0	65.8	69.7	7s.7	82.3	09.6	97.0
75	SS.3	58.7	62.3	66.S	72.1	70.2	85.1	92.7	101.2
85	55.7	S9.2	63.6	68.8	74.6	81.0	00.2	96.1	104.9
90	56.7	61.0	65.9	71.3	77.3	84.1	91.s	99.1	108.9
		63.2	60.2	73.9	mn.3	17.3	91.1	103.7	113.1
100	60.6	65.4	70.a	76.7	83.4	90.7	9m.a	107.8	117.6
105	62.8	67.8	73.S	79.7	06.7	94.3	102.0	112.1	122.4
	6S.l	70.5	76.b	02.9	90.1	90.1	106.9	116.7	127.4
110	67.6	73.3	79.s	86.3	93.7	102.0	111.2	121.4	

RUNWAY LENGTH (1000 FEET)

WEIGHT 1000 LBS	REFERENCE FACTOR "R" 50	60	70	80	90	loo	110	120	130
260	4.50	4.50	4.50	4.66	5.17	5.67	6.17	6.67	7.16
270	4.10	4.50	4.50	5.00	5.56	6.11	6.67	7.21	7.76
200	4.50	4.50	4.75	S.37	S.90	6.59	7.19	7.00	0.39
290	4.50	4.50	5.08	5.75	6.42	7.09	7.75	8.41	9.07
300	4.50	4.69	S.42	6.16	6.09	7.61	8.34	9.06	9.70
310	4.50	4.99	S.79	6.W	7.30	0.17	0.96	9.75	10.13
320	4.50	s.31	6.17	7.03	7.09	8.75	9.61	10.47	11.32
330	4.71	5.64	6.58	7.51	8.44	9.37	10.30	11.23	12.16
340	4.99	s.99	7.00	8.00	9.00	10.01	11.01	12.02	13.03
350	s.20	6.36	7.44	8.52	9.60	10.60	11.76	12.85	13.94
360	5.58	6.75	7.90	9.06	10.22	11.30	12.54	13.71	14.09
370	5.90	7.15	0.39	9.62	10.06	12.10	13.35	14.61	15.89
380	6.23	7.36	8.89	10.21	11.53	12.06	14.20	15.55	16.93
390	6.57	8.00	9.41	10.02	12.23	13.65	15.08	16.53	
400	6.93	a.49	9.95	11.45	12.96	14.47	16.00		
410	7.30	0.91	10.52	12.11	13.71	lS.32	16.95		
420	7.611	9.40	11.10	12.79	14.49	16.20			
430	0.07	9.90	11.70	13.50	15.30	17.11			

SECTION 2. METRIC TABLES

* 4. GENERAL NOTES. The airplane performance tables in this section support the United States endeavor towards metrication. The ultimate goal of this activity is the unification of measurements used in both domestic and international aviation. These tables have the same format as previous tables but substitute degrees Celsius ("C) for Fahrenheit ("F), kilograms (kg) for pounds, and meters (m) for feet.

5. CONVERSION FACTORS. Corresponding tables between the two systems have the same table numbers to facilitate general table usage and flexibility. To facilitate conversion data elements of length, temperature, and weight, the basic conversion factors are listed below:

Kilometers: 1.6093 x Statute miles
Kilograms: 0.4536 x Pounds
Meters: 0.3048 x Feet

Degree F to Degrees C

Degress Celsius

°F	0	1	2	3	4	5	6	7	8	9
50	10.0	10.6	11.1	11.7	12.2	12.8	13.3	13.9	14.4	15.0
60	15.6	16.1	16.7	17.2	17.8	18.3	18.9	19.4	20.0	20.6
70	21.1	21.7	22.2	22.8	23.3	23.9	24.4	25.0	25.6	26.1
80	26.7	27.2	27.8	28.3	28.9	29.4	30.0	30.6	31.1	31.7
90	32.2	32.8	33.3	33.9	34.4	35.0	35.6	36.1	36.7	37.2
L00	37.8	38.3	38.9	39.4	40.0	40.6	41.1	41.7	42.2	42.8
L10	43.3	43.9	44.4	45.0	45.6	46.1	46.7	47.2	47.8	48.3

*

TABLE 3M. AIRCRAFT PERFORMANCE, LANDING (BOEING 727-100 SERIES)
JT8D-7 ENGINE, 40' FLAPS

MAXIMUM ALLOWABLE LANDING WEIGHT (1000 KG)

TEMP	AIRPORT ELEVATION (METERS)					
	0	500	1000	1500	2000	2500
10	b2.4	62.b	62.4	62.b	60.6	56.9
12	62.4	62.4	62.4	62.4	60.5	36.8
16	b2.4	62.4	62.4	62.4	60.4	16.7
18	62.4 62.4	62.4 62.4	62.4 62.b	62.4 62.4	60.3 60.2	56.6 56.7
20						
22	62.4	62.4	62.4 62.4	62.4 62.1	60.1 59.8	56.2 56.5
24	62.4	62.4	62.4	62.4	59.4	55.9
26	62.4	62.4	62.4	62.4	58.9	55.5
28	62.4	62.4				
30	[illegible]	[illegible]	62.4	62.2 61.5	58.4	55.0 54.4
34	62.4	62.4	62.4	60.7	57.1	S3.7
36	62.4	62.4	62.4 62.3	59.0	55.4	52.2 53.0
38						
40	62.4 62.4	62.4 62.4	61.3 60.3	57.9 56.8	53.4	50.3
42						
44	62.4 62.4	62.4	59.1 57.9	55.6 54.3	12.2 51.0	48.0

RUNWAY LENGTH (METERS)

WEIGHT	AIRPORT ELEVATION (METERS)					
1000 KG	0	500	1000	1500	2000	2500
46	1190	1225	1270	1320	1370	1413
48	1225	1265	1310	1360	1415	1460
50	1265	1305	1350	1400	1455	1510
52	1305	1345	1395	1445	1500	1555
54	1340	1385	1435	1490	1545	1605
56	1380	1430	1480	1535	1595	1655
58	1425	147s	1530	1585	1645	1705
60	1465	1520	1575	1635	1695	1760
62	1505	1565	1625	1685	1750	1810
64	1550	1610	16711	1740	1805	1865

AIRPLANE CHARACTERISTICS	UNIT OF MEASURE	ADVANCED PASSENGERS	OPTIONS QUICK CHANGE
MAXIMUM TAKEOFF WEIGHT	KG	72 600	76 700
MAXIMUM LANDING WEIGHT			
FLAPS 30°	KG	64 637	64 637
FLAPS 40°	KG	62 369	62 369
TYPICAL OPERATING EMPTY WEIGHT PLUS RESERVE FUEL	KG	45 964 48 748	45 964 1/ 48 748 2/
AVERAGE FUEL CONSUMPTION	KG/KM	5.35	5.35
TYPICAL MAXIMUM PASSENGER LOAD AT 90.7 KG/PASSENGER	KG	11 338	8 526
MAXIMUM STRUCTURAL PAYLOAD	KG	14 700	18 600

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

TABLE 4M. AIRCRAFT PERFORMANCE, LANDING (BOEING 727-100 SERIES)
JT8D-7 ENGINE, 30" FLAPS

MAXIMUM ALLOWABLE LANDING WEIGHT (1000 KG)

TEMP	AIRPORT ELEVATION (METERS)					
°C	0	500	1000	1500	200b	2500
10	64.6	64.6	64.6	64.6	64.6	64.6
12	64.6	64.6	64.6	64.6	64.6	64.6
14	64.6	64.6	64.6	64.6	64.6	64.6
16	64.6	64.6	64.6	64.6	64.6	64.6
18	64.6	64.6	64.6	64.6	64.6	64.6
20	64.6	64.6	64.6	64.6	64.6	64.6
22	64.6	64.6	64.6	64.6	64.6	64.6
24	64.6	64.6	64.6	64.6	64.6	64.6
26	64.6	64.6	64.6	64.6	64.6	64.6
28	64.6	64.6	64.6	64.6	64.6	63.7
30	64.6	64.6	64.6	64.6	64.6	62.6
32	64.6	64.6	64.6	64.6	64.5	61.5
34	64.6	64.6	64.6	64.6	63.9	60.4
36	64.6	64.6	64.6	64.6	63.2	59.4
38	64.6	64.6	64.6	64.6	62.4	58.4
40	64.6	64.6	64.6	64.6	61.6	57.4
42	64.6	64.6	64.6	64.6	60.7	56.5
44	64.6	64.6	64.6	63.8	59.7	55.7

RUNWAY LENGTH (METERS)

WEIGHT	AIRPORT ELEVATION (METERS)					
1000 KG	0	500	1000	1500	2000	2500
46	1310	1365	1405	1440	1480	1535
48	1345	1395	1440	1485	1535	1585
50	1385	1430	1480	1530	1585	1640
52	1425	1465	1520	1580	1640	1695
54	1465	1505	1560	1625	1690	1745
56	1510	1550	1605	1675	1740	1800
58	1550	1590	1655	1720	1795	1855
60	1590	1640	1700	1770	1845	1910
62	1635	1685	1750	1820	1895	1960
64	1675	1735	1805	1875	1945	2015
66	1720	1790	1855	1925	1995	2028

TABLE 5M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 727-100 SERIES)
JT8D-7 ENGINE, 25" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP	AIRPORT ELEVATION (METERS)					
	0	500	low	1500	2000	2500
10	lb.2	70.0	65.9	61.9	5R.2	54.5
12	73.7	69.5	65.4	61.5	57.7	54.2
14	72.6	68.1	64.1	60.4	57.1	54.0
16	72.6	68.1	64.1	60.4	57.1	54.0
18	72.6	68.1	64.1	60.4	57.1	54.0
20	72.6	68.1	64.1	60.4	57.1	54.0
22	72.6	68.1	64.1	60.4	57.1	54.0
24	72.6	68.1	64.1	60.4	57.1	54.0
26	12.6	68.1	64.1	60.b	57.1	54.0
28	72.6	68.1	64.1	60.4	57.1	53.4
30	71.9	61.5	63.5	59.6	56.2	52.6
32	70.7	66.5	62.5	56.0	55.3	51.8
34	69.6	65.4	61.6	57.9	54.4	51.0
36	68.4	64.4	60.6	56.9	53.5	50.2
38	67.2	63.3	59.6	56.0	52.6	49.3
40	66.1	62.3	50.6	55.1	51.7	46.5
42	64.9	61.2	57.6	54.1	50.8	b7.6
44	63.1	60.2	56.6	53.2	49.9	b6.7

REFERENCE FACTOR "R"

TEMP	AIRPORT ELEVATION (METERS)					
	0	500	low	1500	2ono	2500
[illegible]	36.5	39.7	44.1	49.8	57.0	65.6
12	36.5	40.2	44.8	50.7	57.9	66.8
lb	36.5	40.7	45.6	51.5	56.9	67.9
16	36.5	41.1	b6.3	52.4	59.3	69.0
16	36.5	41.1	46.3	52.4	59.3	69.0
20	36.5	41.1	46.3	52.4	59.3	69.0
22	36.6	bl.2	b6.3	52.4	59.3	69.2
24	36.7	41.3	46.3	52.4	60.1	69.9
26	37.3	41.8	47.0	53.2	61.1	70.9
28	37.9	b2.5	47.0	5b.2	62.3	72.2
30	38.6	43.2	48.7	55.4	63.7	74.0
32	39.5	44.1	49.8	5b.R	65.4	76.0
34	46.3	45.1	51.0	58.3	67.3	76.5
36	41.3	46.2	52.3	60.0	69.5	81.3
38	42.3	47.4	53.8	61.8	11.9	84.4
40	b3.4	48.8	55.4	63.9	74.5	67.9
42	44.7	50.2	57.2	66.1	77.4	91.8
44	46.8	51.8	59.1	68.4	80.5	96.0

RUNWAY LENGTH (METERS)

WEIGHT	REFERENCE FACTOR "R"						
1000 KG	36	46	56	66	76	86	96
44	820	995	1155	1305	1445	1575	1700
46	860	1050	1235	1405	1565	1715	1650
48	910	1120	1325	1520	1710	1880	2040
50	960	1195	1430	1655	1875	2080	2270
52	1020	1280	1545	1805	2060	2310	2.540
54	1065	1375	1675	1973	2275	2565	2850
56	1155	1480	1820	2160	2510	2655	
58	1230	1595	1975	2365	2765		
60	1310	1720	2145	2585			
62	1400	1655	2330	2625			
64	1490	1995	2525				
66	1590	2150	2735				
68	1695	2310	2955				
70	1805	2465					
72	1920	2665					
74	2040	2055					
16	2170						

TABLE 6M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 727-100 SERIES)
JT8D-7 ENGINE, 15" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP	AIRPORT ELEVATION (METERS)					
°C	0	500	1000	1500	2000	2500
10	76.7	76.7	74.6	70.1	65.7	61.6
12	76.7	16.7	73.9	69.6	65.4	61.3
lb	76.7	76.7	72.3	64.3	64.6	61.1
16	76.7	76.1	72.3	66.3	64.6	61.1
18	76.7	76.7	72.3	66.3	64.6	61.1
20	76.7	16.7	72.3	66.3	64.6	61.1
22	76.7	lb.?	72.3	64.3	64.6	61.1
24	16.7	76.7	72.3	68.3	64.6	61.1
26	76.7	76.1	72.3	66.3	64.6	61.1
26	76.7	76.7	72.3	66.3	64.3	60.3
30	76.7	76.2	71.6	67.3	63.2	59.3
32	76.7	75.0	70.5	66.3	62.2	58.4
34	76.7	73.8	69.4	65.2	61.2	57.4
36	16.7	72.6	66.3	64.2	60.2	56.5
38	75.0	71.4	61.2	63.1	59.2	55.6
40	74.6	70.3	66.1	62.1	56.2	54.6
42	73.4	69.1	65.0	61.0	57.3	53.7
44	12.2	67.9	63.6	60.0	56.3	52.6

REFERENCE FACTOR "R"

TEMP	AIRPORT ELEVATION (METERS)					
°C	n	500	1000	1500	2000	250
10	43.1	47.5	52.9	59.7	61.9	77.4
12	44.0	48.4	54.1	61.1	69.4	79.2
14	44.3	49.3	55.3	62.4	70.9	81.0
16	44.6	50.2	56.5	63.7	72.3	s2.a
13	44.6	50.2	54.5	63.7	72.3	82.8
2n	44.6	50.2	56.5	63.1	12.3	82.8
22	44.6	5n.2	56.5	63.7	12.3	a2.a
24	h4.7	50.3	56.4	63.9	72.6	02.9
24	45.4	50.9	51.3	64.8	13.6	84.0
28	46.2	51.6	58.1	65.8	74.9	65.4
30	47.1	52.5	59.1	67.0	16.3	87.0
32	48.1	53.5	60.3	68.4	78.0	60.9
34	49.1	54.7	61.7	70.0	79.8	91.0
36	5n.2	56.0	63.2	71.6	61.9	93.4
38	51.4	57.5	64.9	73.8	84.1	96.1
40	52.1	59.1	66.8	75.9	86.6	99.0
42	54.1	60.8	68.8	76.2	89.3	102.2
44	55.5	62.7	71.0	80.1	92.1	105.6

RUNWAY LENGTH (METERS)

WEIGHT	REFERENCE FACTOR "R"							
1000 KG	42	52	62	72	02	92	102	112
44	645	995	1160	1335	1505	1670	1820	1950
46	900	1075	1260	1450	1635	1820	1990	2135
48	960	1155	1360	1570	1780	1980	2170	2340
50	1025	1245	1410	1700	1930	2150	2360	2566
52	1095	1340	1590	1840	2095	2330	2570	2795
54	1170	1440	1715	1965	2255	2525	2790	3045
56	1250	1545	1845	2140	2435	2730	3020	3310
58	1330	1655	1980	2300	2625	2945	3265	3595
60	1420	1775	2125	2470	2820	3170	3525	
62	1510	1895	2275	2650	3025	3410		
64	1610	2025	2430	2035	3245			
66	1710	2155	2595	3030	3470			
68	1615	2295	2765	3230				
70	1925	2440	2945	3445				
72	2040	2590	3225					
74	2160	2745	3315					
76	2205	2905	3515					
78	2410	3075						

TABLE 7M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 727-100 SERIES)
JT8D-7 ENGINE, 5" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) n	500	1000	1500	2000	2500
10	76.1	16.1	16.1	IS.0	10.2	66.2
12	76.7	16.1	76.1	74.5	10.0	66.1
lb	76.7	76.1	76.1	72.9	60.7	65.3
16	76.1	16.1	76.1	12.9	68.7	65.3
18	76.7	16.1	16.1	72.9	68.1	65.3
20	76.7	16.1	76.1	72.9	66.1	65.3
22	16.1	76.7	16.1	72.9	68.1	65.3
24	76.7	16.1	16.1	12.9	68.7	65.3
26	76.1	76.7	16.1	12.9	66.1	65.3
28	76.7	76.1	16.1	12.9	68.7	64.6
	75.6	76.7	15.6	12.1	61.1	63.6
3:	76.1	76.1	7b.R	11.0	66.1	62.6
34	76.1	76.1	74.n	49.9	65.1	61.6
36	76.7	76.1	13.1	60.8	64.6	60.6
38	16.7	76.5	12.0	61.1	43.6	59.6
40	76.7	75.5	70.9	66.6	62.5	511.6
42	76.7	74.1	69.1	65.5	41.5	57.1
44	76.5	72.5	68.4	64.4	60.4	56.1

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	56.3	61.1	69.A	19.9	91.1	104.6
12	56.5	62.8	71.1	81.4	93.3	106.7
14	56.8	b3.P	12.6	33.Q	95.0	100.7
16	57.1	64.9	73.9	34.5	96.1	110.8
18	57.1	64.9	73.9	M.5	96.1	110.0
20	57.1	64.9	73.9	04.5	96.7	110.8
22	57.1	64.9	73.9	84.5	96.1	110.8
24	51.5	65.2	14.x	84.5	96.9	111.5
26	58.4	66.1	15.2	n5.a	90.4	113.3
28	59.5	67.3	16.5	01.4	100.2	115.4
30	60.1	6R.I	78.1	89.2	102.4	117.8
32	62.1	70.2	19.9	91.3	llM.R	120.5
34	63.6	72.n	R2.0	93.7	101.5	121.6
36	65.3	74.0	84.3	96.4	110.5	126.9
38	61.2	76.2	86.8	99.3	113.8	130.6
40	64.2	18.6	89.6	102.5	117.4	134.5
42	71.5	81.2	92.7	106.0	121.3	138.3
44	73.8	84.0	96.0	109.8	125.5	143.3

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 60	10	80	90	100	110	120	130	149
46	315	1160	1335	1495	1655	1805	1960	2120	2285
48	1070	1210	1455	1635	1805	1980	2150	2325	2510
50	1115	1300	1585	1780	1970	2160	2350	2545	2740
52	1280	1500	1720	1930	2140	2350	2560	2770	2985
54	1390	1630	1360	2090	2320	2550	2700	3010	3240
56	1505	1760	2010	2260	2510	2760	3010	37hn	3510
58	1625	1900	2170	2440	2710	2980	3250	3520	3790
60	1750	2045	2335	2625	2915	3205	3500	3190	4080
62	1830	2195	2505	2820	3130	344s	3760	4070	4385
64	2015	2350	2685	3020	3355	3695	4030	4365	
66	2155	2515	2875	3235	3590	3950	4310		
68	2300	2685	3070	3450	3835	4215			
70	2450	2860	3210	3680	4085	4495			
72	2605	3045	3480	3915	4345				
74	2165	3235	3695	4155					
16	2930	3430	3920	4410					
18	3100	3630	4150						

TABLE 18M. AIRCRAFT PERFORMANCE, LANDING (BOEING 727-200 SERIES)
JT8D-15 ENGINE, 40" FLAPS

MAXIMUM ALLOWABLE LANDING WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	h4.6	64.6	64.6	64.6	64.6	64.6
12	64.6	64.6	64.6	64.6	64.6	64.6
14	64.6	64.6	64.6	64.6	64.6	64.6
16	64.6	64.6	64.6	64.6	64.6	64.6
18	64.6	64.6	64.6	64.6	64.6	64.6
20	64.6	64.6	64.6	64.6	64.6	64.6
22	64.6	64.6	64.6	64.6	64.6	64.6
24	64.6	64.6	64.6	64.6	64.6	64.6
26	64.6	64.6	64.6	64.6	64.6	64.6
23	64.6	64.6	64.6	64.6	64.6	64.3
30	64.6	64.6	64.6	64.6	64.6	63.6
32	64.6	64.6	64.6	64.6	64.6	62.8
34	64.6	64.6	64.6	64.6	64.6	62.0
36	64.6	64.6	64.6	64.6	64.6	61.0
38	64.6	64.6	64.6	64.6	63.8	60.0
40	64.6	64.6	64.6	64.6	62.6	58.8
42	64.6	64.6	64.6	64.6	61.3	57.6
44	64.6	64.6	64.6	63.8	59.9	56.2

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
50	1220	1270	1310	1355	1400	1465
52	1260	1310	1350	1400	1450	1510
54	1300	1350	1395	1445	1500	1560
56	1345	1390	1440	1490	1545	1610
58	1385	1435	1485	1540	1595	1660
60	1425	1475	1530	1590	1650	1715
62	1470	1.525	1580	1640	1700	1765
64	1510	1570	1630	1690	1755	1820
66	1555	1615	1680	1740	1805	1875

AIRPLANE CHARACTERISTICS	UNIT OF MEASURE		ADVANCED OPTIONS	
MAXIMUM TAKEOFF WEIGHT	KG	82 328	86 411	89 359
MAXIMUM LANDING WEIGHT	KG			
FLAPS 30°		70 081	72 576	72 576
FLAPS 40'		64 638	64 638	64 638
TYPICAL OPERATING EMPTY WEIGHT PLUS RESERVE FUEL	KG	49 538 52 682	49 784 52 927	51 182 1/ 54 325 2/
AVERAGE FUEL CO-ON	KG/KM	6.20	6.20	6.20
TYPICAL MAXIMUM PASSENGER LOAD AT 90.7 KG/PASSENGER	KG	14 697	15 876	17 146
MAXIMUM STRUCTURAL PAYLOAD	KG	18 298	18 959	19 376

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

TABLE 19M. AIRCRAFT PERFORMANCE, LANDING (BOEING 727-200 SERIES)
JT8D-15 ENGINE, 30" FLAPS

MAXIMUM ALLOWABLE LANDING WEIGHT (1000 KG)

TEMP	AIRPORT ELEVATION (METERS)					
°C	0	500	1000	1500	2000	2533
10	72.5	72.5	72.5	72.5	72.5	72.5
12	72.5	72.5	72.s	72.5	72.5	72.5
14	72.5	72.5	72.5	72.5	72.5	72.5
16	72.5	72.4	72.5	72.5	72.5	72.5
19	72.5	72.5	72.5	72.5	72.5	72.5
20	72.5	72.5	72.5	72.5	72.5	72.5
22	72.5	72.5	72.5	72.5	72.5	72.5
24	72.5	72.5	72.5	72.5	72.5	72.5
26	72.5	72.5	73.5	72.5	72.5	72.5
28	72.5	72.5	72.5	72.s	72.5	79.5
30	72.5	72.5	72.5	72.s	72.5	72.4
32	72.5	72.5	72.5	72.5	72.5	71.5
34	72.5	72.5	72.5	72.5	72.5	70.5
36	72.5	72.5	72.S	72.5	72.5	69.4
38	72.5	72.5	72.5	72.5	72.5	63.2
40	72.5	72.5	72.5	72.5	71.3	66.9
42	72.5	72.5	72.5	72.5	69.3	65.4
44	72.5	72.5	72.5	7 .5	68.2	64.1

RUNWAY LENGTH (METERS)

WEIGHT	AIRPORT ELEVATION (METERS)					
1000 KG	0	590	1000	1590	2000	2500
50	1265	1295	1330	1375	1420	1470
52	1290	1325	1365	1413	1455	1505
54	1320	1355	1395	1445	1490	1540
56	1350	1390	1430	1480	1.530	1580
58	1380	1425	1470	1515	1579	1620
60	1415	1460	1505	1555	1610	1665
62	1450	1495	1545	1595	1650	1710
64	1455	1535	1585	1640	1695	175.5
66	1520	1575	1630	1680	1740	1805
68	1560	1620	1675	172.5	1785	1555
70	1600	1665	1720	1775	1830	1905
72	1640	1710	1765	1820	1880	1960
74	1680	1755	1815	1870	1930	2015

TABLE 20M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 727-200 SERIES)
JT8D-15 ENGINE, 25" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP	AIRPORT ELEVATION (METERS)					
	0	500	1000	1500	2000	2500
10	36.2	31.0	76.5	72.2	67.3	63.7
12	03.7	31.0	76.5	72.2	67.3	63.7
14	83.7	31.9	76.5	72.2	67.3	43.7
16	93.7	81.0	76.5	72.2	67.8	53.7
15	A3.7	31.0	76.5	72.2	67.3	53.7
20	83.7	81.0	76.5	72.2	67.3	93.7
22	93.7	31.0	76.5	72.2	67.3	63.7
24	33.7	31.0	76.5	72.1.	67.3	51.7
26	63.7	73.9	75.0	70.3	h6.8	62.h
28	33.3	78.9	74.0	59.9	65.3	61.7
30	32.9	77.6	73.9	68.9	64.3	60.3
32	81.5	76.5	72.0	J7.T	63.9	60.0
34	80.2	75.4	71.0	66.3	62.9	s9.1
36	78.9	74.3	69.9	65.9	62.0	58.2
38	77.7	73.1	68.9	64.g	s1.9	57.3
40	76.5	72.0	67.8	63.9	60.1	56.4
42	75.3	70.9	6h.7	62.6	S9.1	55.5
44	74.3	69.9	65.7	61.8	53.2	54.6

REFERENCE FACTOR "R"

TEMP	AIRPORT ELEVATION (METERS)					
	0	500	1000	1500	2000	2500
in	53.6	58.2	65.5	75.3	86.5	98.2
12	53.7	58.3	65.7	75.4	86.6	98.3
14	53.7	50.6	66.6	7s.5	86.6	98.7
16	53.8	59.0	66.5	75.q	86.9	og.4
18	53.9	50.5	67.0	76.4	R7.S	103.2
20	54.2	60.1	67.1	77.1	88.2	101.3
22	S4.3	60.3	61.6	7s.n	09.3	102.6
24	54.8	61.7	69.6	7g.1	90.5	104.2
26	55.5	62.6	70.1)	80.4	92.n	105.9
28	56.3	63.7	72.0	81.9	93.7	108.3
30	57.3	64.9	73.5	83.5	95.h	110.2
32	50.4	hh.2	75.n	85.4	97.7	112.7
34	59.7	67.6	76.7	87.4	100.1	115.4
36	61.1	69.2	78.5	89.6	102.7	118.3
38	62.6	70.8	80.5	92.0	105.5	121.5
40	64.3	72.6	82.6	94.6	109.6	124.0
42	66.2	74.5	84.9	97.3	111.9	126.6
44	68.2	76.5	87.3	loo.3	115.4	132.5

RUNWAY LENGTH (METERS)

WEIGHT	REFERENCE FACTOR "R"								
1000 KG	55	65	75	3s	95	105	115	125	135
58	1065	1275	1465	1640	1810	197s	2135	2300	2465
60	1140	135s	1560	1750	1935	2115	2290	2475	2655
62	121s	1445	1660	1865	2065	2260	2460	2650	2870
64	1295	1535	1765	1985	220s	2420	2635	2955	3085
66	1380	1630	1875	2115	2350	2585	2820	3065	3310
68	1465	173s	199s	225n	2505	2760	3020	3230	3545
70	1555	1840	2120	2395	2670	2945	3225	3505	3785
72	7.645	1950	2250	254s	2845	3140	3440	3740	4040
74	1740	2065	2385	2705	3025	3345	3665	3985	
76	1840	2180	2525	2870	3215	3560	3900		
78	1940	2375	2675	3045	3415	3780			
80	2045	2435	2525	3225	3620	4010			
82	2150	2565	2985	3410	3835				
84	2260	2700	3150	3605	4055				
86	2370	2845	332n	3805					
88	2490	2990	3500	4015					
90	2605	3140	3680						

TABLE 21M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 727-200 SERIES)
JT8D-15 ENGINE, 20" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	89.4	86.8	81.8	77.4	72.8	68.1
12	89.4	116.8	81.8	77.4	12.8	68.1
14	89.4	86.8	81.8	77.4	72.8	68.1
16	39.4	86.8	81.8	77.4	72.8	68.1
13	39.4	86.8	81.8	77.4	12.8	68.1
20	89.4	86.8	81.8	77.4	72.8	63.1
22	89.4	86.6	81.A	77.4	72.3	63.1
24	39.4	86.8	81.8	77.4	72.8	63.1
26	39.4	85.4	30.3	75.7	71.4	66.9
23	39.4	84.2	79.2	74.7	70.4	66.0
30	33.5	83.0	78.1	73.7	69.4	65.1
32	87.1	81.9	77.1	72.6	68.3	64.1
34	35.1	30.7	76.0	71.5	67.3	63.2
36	84.4	79.5	74.8	10.4	66.3	62.3
33	33.1	18.3	73.7	69.4	65.2	61.4
40	31.8	77.1	72.6	68.2	64.2	60.5
42	30.6	75.9	71.4	67.1	63.2	59.6
44	79.4	74.7	70.2	66.0	62.1	58.7

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	55.4	60.7	68.6	78.5	89.8	101.9
12	55.4	60.8	68.7	78.6	39.9	102.0
14	55.5	61.1	63.9	78.6	89.9	102.3
16	55.h	61.4	69.3	79.0	90.2	102.9
18	55.6	G1.9	69.9	19.5	90.8	103.7
20	56.0	62.6	70.6	80.2	91.6	104.8
22	56.4	63.3	71.5	81.1	92.6	106.2
24	57.1	64.2	72.5	82.2	93.9	107.8
26	57.3	65.2	73.6	83.6	95.4	109.6
28	58.7	66.3	74.9	85.1	97.2	111.8
30	59.7	67.6	76.4	36.8	99.2	114.1
32	60.9	68.9	78.0	83.7	101.4	116.7
34	62.2	70.4	19.8	90.8	103.9	119.6
36	63.6	72.0	81.7	93.1	106.6	122.7
38						
40	65.2 G6.9	73.8 75.6	86.0 83.8	95.6 98.2	109.5 112.7	126.1 129.7
42	GA.7	77.6	88.4	101.1	116.1	133.6
44	70.7	79.7	90.9	104.2	119.8	137.7

RUNWAY LENGTH (METER..)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 55	65	75	85	95	105	115	125	135
58	1100	1300	1485	1665	1830	1995	2155	2315	2475
60	13.65	1380	1575	1770	1950	2130	2305	2480	2660
62	1240	1460	1675	1880	2980	2275	2470	2660	2855
64	1315	1550	1775	2000	2215	2430	2645	2855	3065
66	1395	1649	1835	23.25	2360	2595	2825	3060	3290
68	1475	1740	2000	2260	2515	2770	3020	3275	3525
70	1560	1840	2120	2400	2675	2950	3225	3500	3775
72	1650	1950	2250	2545	2845	3145	3440	3740	4035
74	1740	2060	2380	2700	3025	3345	3665	3990	
76	1835	21A0	2520	2865	3210	3555	3900		
78	1935	2300	2665	3035	3405	3775	4150		
80	2035	2425	2815	3210	3605	4005			
82	2140	2555	2975	3395	3820				
84	225n	2690	3140	3585	4040				
86	2360	2835	3310	3785					
88	2475	2980	3485	3990					
90	2595	3130	3665	4205					

TABLE 22M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 727-200 SERIES) JT8D-15 ENGINE, 15' FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	89.4	s9.4	86.9	82.0	77.5	72.2
12	89.4	89.4	84.9	82.0	77.0	72.2
14	89.4	89.4	M.9	82.0	77.0	72.2
16	n9.4	09.4	06.9	82.9	77.0	72.2
18	89.4	89.4	84.9	82.0	77.0	72.2
20	89.4	89.4	86.9	82.0	77.4	72.2
22	99.4	89.4	86.9	82.0	77.n	72.2
24	89.4	89.4	36.9	82.0	77.0	72.2
26	8[illegible]	89.4	85.2	80.3	75.7	71.1
28	89.4	89.4	84.1	79.2	74.6	70.1
30	89.4	98.1	81.0	78.1	73.5	69.1
32	89.4	94.9	81.8	77.3	72.5	68.0
34	89.4	85.6	80.6	75.9	71.4	67.0
36	89.4	84.3	79.4	74.7	70.3	66.n
38	88.1	83.0	n.2	73.6	69.2	64.9
40	86.7	81.8	77.0	72.4	68.0	63.9
42	85.4	80.5	75.7	71.2	66.9	62.8
44	84.2	79.2	74.4	70.0	65.8	61.7

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	58.4	64.1	72.2	02.4	94.4	107.9
12	53.4	64.2	12.3	32.5	94.5	107.9
14	58.5	64.4	72.5	32.6	94.5	108.2
16	5A.6	64.a	73.0	33.0	94.9	103.8
18	53.7	65.3	73.5	03.6	95.6	109.7
20	59.1	G5.9	74.3	84.3	96.4	110.7
22	59.6	bh.?	75.1	85.3	97.5	112.1
24	60.3	67.6	lb.2	06.5	93.9	113.7
26	61.1	68.6	77.4	87.9	100.5	115.6
28	62.1	h9.R	73.3	99.4	102.3	117.8
30	63.2	71.1	80.3	91.2	104.4	120.2
32	64.4	72.5	82.0	93.2	106.7	122.8
34	65.8	74.1	n3.n	95.4	109.2	125.8
36	67.3	75.3	n5.3	97.8	112.0	129.0
38	68.9	77.7	88.0	100.4	115.0	132.4
40	70.7	79.6	sn.3	103.1	118.3	136.1
42	72.6	81.7	92.n	106.1	121.8	140.1
44	74.7	34.0	95.5	109.3	125.6	144.3

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 58	68	78	88	98	108	118	128	138
59									
61	1200	1385	1590	1800	2015	2220	2405	2560	2670
		1480	1690	1905	2120	2325	2510	2675	2805
63	1355	1575	1800	2020	2235	2445	2640	2820	2980
65	1435	1675	1910	2140	2365	2585	2795	2995	3190
67	1520	1780	2030	2275	2510	2740	2970	3205	3435
69	1605	1890	2155	2415	2665	2920	3175	3440	3720
71		2000	2285	2560	2835	3110	3400	3710	4040
73	1700 1795	2115	2425	2720	3020	3325	3650	4005	4400
75	1895	2235	2565	2885	3215	3555	3925	4335	
77		2360	2710	3060	3420	3805	4225		
79	1995 2105	2490	2865	3245	3645	4075			
81	2215	2620	3025	3435	3800	4360			
83	2330	2755	3185	3640	4125				
85	2450	2395	3355	3850	4385				
		3040	3530	4065					
xx	2575 2705	3190	3715	4295					

TABLE 23M. AIRCRAFT PERFORMANCE, TAKEOFF (BOEING 727-200 SERIES)
JT8D-15 ENGINE, 5" FLAPS

MAXIMUM ALLOWABLE TAKEOFF WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2009	2500
10	89.4	89.4	39.4	85.1	80.0	75.2
12	89.4	89.4	89.4	85.1	80.0	75.2
14	89.4	89.4	89.4	85.1	90.0	75.2
16	89.4	R9.4	89.4	85.1	80.0	75.2
18	89.4	89.4	39.4	85.1	80.0	75.2
20	89.4	89.4	89.4	35.1	30.0	75.2
22	89.4	39.4	39.4	85.1	80.0	75.2
24	89.4	89.4	89.4	85.1	80.0	75.2
26	69.4	89.4	0R.5	83.5	78.7	13.6
28	89.4	89.4	37.3	82.4	77.5	72.6
30	89.4	89.4	86.1	81.2	16.4	71.6
32	39.4	89.4	84.9	80.0	75.2	70.5
34	89.4	88.9	33.7	18.8	74.1	69.5
36	A9.4	87.6	32.5	77.6	73.0	68.4
38	R9.4	86.2	31.2	76.4	71.8	67.4
40	89.4	84.9	30.0	75.2	70.7	66.3
42	88.7	03.6	7R.7	74.n	h9.6	65.3
44	87.3	82.3	77.5	72.3	63.4	64.2

REFERENCE FACTOR "R"

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	65.9	12.3	k2.n	94.2	108.1	122.9
12	66.0	72.5	62.1	94.3	108.2	123.3
14	h6.n	72.9	R2.4	94.3	inR.3	i24.n
16	66.2	73.4	82.9	04.7	108.7	125.n
18	66.3	74.0	83.6	95.3	109.5	126.3
20	66.7	74.8	84.5	96.2	110.5	127.A
22	67.4	75.7	R5.5	97.3	111.8	121.5
24	68.1	76.3	8b.7	98.7	113.3	131.6
26	69.1	78.0	38.1	inn.3	115.2	133.9
28	70.1	79.4	03.7	102.1	117.4	13h.4
30	71.4	80.9	91.5	1n4.2	119.8	139.2
32	72.8	nz.5	93.5	106.5	122.5	142.3
34	74.4	n4.3	95.6	ins.1	125.5	145.7
36	76.2	86.3	97.9	111.9	12A.8	149.3
38	78.1	88.3	inn.4	114.9	132.3	153.2
40	n0.2	99.6	103.1	118.2	136.2	157.3
42	R2.6	92.9	106.0	121.8	140.3	161.7
44	34.R	95.4	109.1	125.6	144.7	166.4

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	REFERENCE FACTOR "R" 70	80	90	100	110	120	130	140	150
58	1380	1575	1760	1940	2115	2285	2450	2610	2770
60	1470	1675	1870	2065	2250	2435	2615	2195	2970
62	1565	1780	1990	2195	2395	2595	2795	2990	3185
64	1660	1890	2115	2335	2555	2770	2935	3200	3415
66	1765	2nlo	2250	2405	2720	2955	3190	3425	3660
68	1870	2130	2390	2645	2900	3155	3410	3665	3920
70	1980	2260	2540	2815	3090	3365	3645	3920	4195
72	2100	2395	2695	2995	3295	3590	3890	4190	
74	2220	254n	2860	3135	3.505	3830	4150		
76	2345	2690	3035	3380	3730	4080			
78	2475	2840	3215	3590	3965	4340			
80	2610	3005	3405	3805	4210				
82	2745	3170	3600	4035					
84	2890	3349	3805	4270					
86	3040	3.520	4015						
83	3190	3705	4235						

TABLE 32M. AIRCRAFT PERFORMANCE, LANDING (BOEING 737-200 SERIES)
JT8D-15 ENGINE, 40" FLAPS

MAXIMUM ALLOWABLE LANDING WEIGHT (1000 KG)

TEMP (°C)	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
13	46.R	46.8	46.R	46.3	45.6	42.7
12	46.5	46.8	46.3	46.0	45.6	42.7
14	46.8	46.3	46.3	46.3	45.6	h2.7
16	46.8	46.R	46.3	46.3	45.6	42.7
18	h6.3	46.8	46.0	46.8	45.6	42.7
20	46.R	46.3	46.8	46.8	45.4	42.4
22	46.3	46.3	46.3	4G.3	45.1	42.2
24	h6.3	46.3	46.3	46.7	46.3	41.9
26	46.8	46.3	46.3	46.9	44.4	42.6
2:	46.3	46.3	46.3	46.7	43.9	41.2
30	46.3	46.3	46.8	46.2	43.5	40.3
32	46.3	46.3	46.3	45.6	42.9	40.4
34	46.1	46.7	46.3	45.9	42.4	39.3
36	46.R	46.8	46.8	44.4	41.7	39.3
38	46.8	46.3	h6.4	43.7	41.1	39.6
40	46.3	46.9	45.6	42.9	40.4	37.9
42	46.9	46.3	44.8	42.2	39.6	37.2
44	46.R	46.6	hf.9	41.3	3n.n	36.4

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
32	1210	1260	1305	1350	1395	1450
34	1265	1315	136"	1410	1465	1525
36	1320	1370	1420	1475	1535	1600
38	137s	1430	1485	1540	1605	1675
40	1430	1485	1545	1610	1675	1745
42	1485	1545	1610	1575	1745	1320
44	1545	1610	1675	1745	1815	1395
46	1605	1670	1740	1810	1885	1965
48	1665	1735	1805	1880	195s	2035
50	1725	1800	1875	1950	2025	2110

AIRPLANE CHARACTERISTICS	UNIT OF MEASURE	ADVANCED 200	OPTIONS 200C
MAXIMUM TAKEOFF WEIGHT	KG	49 480	52 440
MAXIMUM LANDING WEIGHT			
FLAPS 30°	KG	44 490	46 760
FLAPS 40°	KG	40 690	46 760
TYPICAL OPERATING EMPTY	KG	30 499	31 815 1/
WEIGHT PLUS RESERVE FUEL	KG	32 423	33 740 2/
AVERAGE FUEL CONSUMPTION	KG/KM	4.23	4.23
TYPICAL MAXIMUM PASSENGER LOAD AT 90.7 KG./PASSENGER	KG	11 791	11 791
MAXIMUM STRUCTURAL PAYLOAD	KG	15 810	14 500

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

TABLE 33M. AIRCRAFT PERFORMANCE, LANDING (BOEING 737-200 SERIES)
JT8D-15 ENGINE, 30" FLAPS

MAXIMUM ALLOWABLE LANDING WEIGHT (1000 KG)

TEMP °C	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
10	46.8	46.8	46.8	46.8	45.6	42.7
12	46.8	46.8	46.8	46.8	45.6	42.7
14	46.8	46.8	46.8	46.8	45.6	42.7
16	46.8	46.8	46.8	46.8	45.6	42.7
18	46.8	46.8	46.8	46.8	45.6	42.7
20	46.8	46.8	46.8	46.8	45.4	42.4
22	46.8	46.8	46.8	46.8	45.1	42.2
24	46.8	46.8	46.8	46.8	44.8	41.9
26	46.8	46.8	46.8	46.8	44.4	41.6
28	46.8	46.8	46.8	46.7	43.9	41.2
30	46.8	46.8	46.8	46.2	43.5	40.8
32	46.R	46.8	46.8	45.6	42.9	40.4
34	46.8	46.8	46.8	45.0	43.4	39.8
36	46.8	46.8	46.8	44.4	41.7	39.3
38	46.8	46.8	46.4	43.7	41.1	38.6
46	46.8	46.8	45.6	42.9	40.4	37.9
42	46.8	46.8	44.8	42.2	39.6	37.2
44	46.8	46.6	43.9	41.3	38.R	36.4

RUNWAY LENGTH (METERS)

WEIGHT 1000 KG	AIRPORT ELEVATION (METERS) 0	500	1000	1500	2000	2500
32	1305	1355	1405	1455	1510	1579
34	1365	1420	1475	1525	1585	1650
36	1425	1485	1545	1600	1660	1730
38	1485	1555	1610	1670	1730	1805
40	1550	1629	1680	1740	1805	1885
42	1615	1685	1750	1810	1880	1960
44	1680	1750	1815	1885	1955	2040
46	1745	1815	1885	1955	2030	2115
48	1810	1880	1950	2025	2105	2195
50	1880	1945	2020	2100	2185	2270