

DESCENT

The descent table shows fuel consumption, distance and time from the top of descent to sea level for various cruise altitudes. The data are calculated for flight idle thrust setting, maintaining 250 KIAS up to 10000 ft and 240 KIAS below 10000 ft.

The approach and landing fuel consumption is not considered in the following tables.

The associated conditions are:

- Flaps UP
- Gear UP
- Bleeds OPEN
- Anti-Ice OFF

EXAMPLE:

Given:

Arrival Airport Elevation 3500 ft
Top of Descent Weight 17000 kg
ISA Condition
Cruise Altitude..... 35000 ft

RESULTS

Data provided from 35000 ft (Top of Descent) to Sea Level table:

Fuel: 84 kg
Distance: 80 NM
Time: 15 min

Data for 5000 ft (3500 ft + 1500 ft above arrival airport) obtained from the 5000 ft descent table:

Fuel: 18 kg
Distance: 10 NM
Time: 2 min

The fuel, distance and time spent during the descent phase (from 35000 ft to 5000 ft) are:

Fuel: $84 - 18 = 66$ kg
Distance: $80 - 10 = 70$ NM
Time: $15 - 2 = 13$ min

NOTE: The fuel consumption related to the approach and landing phase is provided on the Section 1-05-07.

DESCENT - ALL ENGINES OPERATING

AE3007A ENGINES

CRUISE CONFIGURATION
BLEED : OPEN
FLIGHT IDLE
AIRSPEED : MMO / 250 KIAS / 240 KIAS
ISA CONDITIONS

WEIGHT KG	TOP OF DESCENT FT									
	5000 10000 15000 20000 25000 30000 35000 37000									
22000	FUEL	KG	20	37	52	65	75	85	94	97
	DISTANCE	NM	12	24	36	49	62	75	90	96
	TIME	MIN	3	5	8	10	12	14	17	17
21000	FUEL	KG	19	36	51	64	74	83	92	96
	DISTANCE	NM	11	23	35	48	60	74	88	94
	TIME	MIN	3	5	8	10	12	14	16	17
20000	FUEL	KG	19	36	50	62	72	82	90	94
	DISTANCE	NM	11	23	35	47	59	72	86	92
	TIME	MIN	3	5	7	10	12	14	16	17
19000	FUEL	KG	19	35	49	61	71	80	88	92
	DISTANCE	NM	11	22	34	46	58	71	84	90
	TIME	MIN	3	5	7	10	12	14	16	16
18000	FUEL	KG	18	34	48	60	69	78	86	90
	DISTANCE	NM	11	22	33	45	57	69	82	88
	TIME	MIN	2	5	7	9	11	13	15	16
17000	FUEL	KG	18	33	46	58	68	76	84	87
	DISTANCE	NM	10	21	32	44	55	67	80	85
	TIME	MIN	2	5	7	9	11	13	15	16
16000	FUEL	KG	17	32	45	56	65	74	82	85
	DISTANCE	NM	10	20	31	42	53	65	77	83
	TIME	MIN	2	5	7	9	11	13	14	15
15000	FUEL	KG	17	31	43	54	63	71	79	82
	DISTANCE	NM	10	20	30	41	52	63	75	80
	TIME	MIN	2	4	7	9	10	12	14	15
14000	FUEL	KG	16	30	42	52	61	68	76	79
	DISTANCE	NM	9	19	29	39	50	60	72	77
	TIME	MIN	2	4	6	8	10	12	13	14
13000	FUEL	KG	15	28	40	50	58	66	73	75
	DISTANCE	NM	9	18	27	37	47	58	69	73
	TIME	MIN	2	4	6	8	10	11	13	14
12000	FUEL	KG	14	27	38	47	55	62	69	72
	DISTANCE	NM	8	17	26	35	45	55	65	70
	TIME	MIN	2	4	6	7	9	11	12	13

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