

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 427 ft Length: 7228 ft (2203 m) Slope: +1.18 % Shift: 13 ft (3 m)	Runway 15	Airport ROME Ciampino	LIRA - CIA
JT8D-217A A/C : OFF/ON A/I OFF or ENG A/I ON			PTOW (ton) ; V1 (KIAS) LIMIT CODE ; VR (KIAS) PITCH (deg) ; V2 (KIAS)	02 Apr 2009	

VMCG VRMIN V2MIN	FLAP 11							DRY	OPTIMUM FLAP									
	OAT °C	W I N D (kt)							OAT °C	W I N D (kt)								
		-10	-5	0	10	-10	-5			0	10							
115	27	55.7	128	57.7	132	59.8	135	61.0	137	-10	57.8	130	59.5	133	61.2	137	61.8	138
119		F	133	F	136	F	139	F	140		* 134	* 137	* 137	* 140	* 140	* 141		
128	(NA)	15.0	140	15.0	143	14.5	145	14.5	147		14.5	141	14.5	144	14.5	147	14.0	148
115	29	55.5	128	57.5	131	59.6	135	60.8	137	-5	57.7	129	59.4	133	61.1	137	61.6	138
119		F	133	F	136	F	138	F	140		* 134	* 137	* 137	* 140	* 140	* 141		
128	(NA)	15.0	140	15.0	142	14.5	145	14.5	147		14.5	141	14.5	144	14.5	147	14.0	148
114	31	54.9	127	56.9	131	59.0	134	60.2	136	0	57.6	129	59.3	133	61.0	137	61.6	138
118		F	132	F	135	F	138	F	139		* 134	* 137	* 137	* 140	* 140	* 141		
127	(NA)	15.0	139	15.0	142	14.5	144	14.5	146		14.5	141	14.5	144	14.5	147	14.5	148
113	33	54.2	126	56.2	130	58.3	133	59.4	135	5	57.5	129	59.2	133	60.9	137	61.5	138
118		F	131	F	134	F	137	F	138		* 133	* 137	* 137	* 140	* 140	* 141		
127	(NA)	15.0	138	15.0	141	14.5	143	14.5	145		14.5	140	14.5	144	14.5	147	14.5	147
113	35	53.6	126	55.5	129	57.6	133	58.6	135	10	57.4	129	59.1	133	60.8	137	61.4	138
117		F	131	F	133	F	136	*	137		F	133	* 137	* 137	* 140	* 140	* 141	
126	(NA)	15.0	137	14.5	140	14.5	143	14.5	144		14.5	140	14.5	143	14.5	147	14.5	147
112	37	52.8	125	54.7	128	56.7	132	57.7	134	15	57.0	128	58.9	132	60.7	137	61.3	138
116		F	130	F	132	F	135	*	136		F	133	F	136	* 140	* 140	* 140	
125	(31)	15.0	136	14.5	139	14.5	142	14.5	143		14.5	140	14.5	143	14.5	147	14.5	147
111	39	52.2	124	54.1	128	56.1	131	56.9	133	20	56.5	128	58.5	132	60.4	136	61.2	138
116		F	129	F	132	F	134	*	136		F	132	F	136	F	139	* 140	
124	(32)	15.0	136	14.5	138	14.5	141	14.5	142		14.5	139	14.5	143	14.5	146	14.5	147
110	41	51.7	124	53.5	127	55.5	131	56.2	132	25	56.1	127	58.0	131	60.0	135	61.1	137
115		F	128	F	131	F	134	*	135		F	132	F	135	F	139	* 140	
123	(34)	15.0	135	14.5	137	14.5	140	14.5	141		15.0	139	14.5	142	14.5	146	14.5	147
109	43	51.1	123	52.9	126	54.9	130	55.4	131	27	56.0	127	57.9	131	59.8	135	61.0	137
114		F	128	F	130	*	133	*	134		F	132	F	135	F	139	F	140
123	(35)	15.0	134	14.5	137	14.5	139	14.5	140		15.0	139	14.5	142	14.5	145	14.5	147
109	45	50.5	122	52.3	126	54.1	129	54.7	130	29	55.8	126	57.7	131	59.6	135	60.8	137
113		F	127	F	130	*	132	*	133		F	131	F	135	F	138	F	140
122	(37)	15.0	133	14.5	136	14.5	138	14.5	139		15.0	138	14.5	142	14.5	145	14.5	147
108	47	49.9	122	51.7	125	53.3	128	53.8	129	31	55.2	126	57.1	130	59.0	134	60.2	136
112		F	126	F	129	*	131	*	132		F	131	F	134	F	138	F	139
121	(39)	15.0	132	14.5	135	14.5	137	14.5	138		15.0	138	14.5	141	14.5	144	14.5	146
107	49	49.2	121	51.0	124	52.5	127	53.0	128	33	54.5	125	56.4	129	58.3	133	59.4	135
112		F	126	F	128	*	130	*	131		F	130	F	133	F	137	F	138
120	(41)	15.0	132	14.5	134	14.5	136	14.5	137		15.0	137	14.5	140	14.5	143	14.5	145
	49	49.0	120	49.0	121	52.0	126	51.0	125	35	53.9	124	55.7	128	57.6	133	58.6	135
		125		125		129		128			F	129	F	133	F	136	* 137	
		15.0	131	15.0	131	14.5	135	15.0	134		15.0	136	14.5	139	14.5	143	14.5	144
	49	47.0	117	47.0	117	50.0	123	49.0	121	37	53.1	123	54.9	128	56.7	132	57.7	134
		122		122		126		125			F	128	F	132	F	135	* 136	
		15.5	129	15.5	129	15.0	132	15.0	131		15.0	135	14.5	138	14.5	142	14.5	143
	49	45.0	113 CK	45.0	114 CK	48.0	119	47.0	118	39	52.5	123	54.3	127	56.1	131	56.9	133
		119 CK		119 CK		123		122			F	128	F	131	F	134	* 136	
		16.0	126 CK	16.0	126 CK	15.5	130	15.5	129		15.0	134	14.5	137	14.5	141	14.5	142
	49	43.0	109 CK	43.0	110 CK	46.0	116	45.0	115 CK		52.0	122	54.0	126	56.0	131	56.0	131
		116 CK		116 CK		121		119 CK			127		130	134	134	134	134	
		16.0	123 CK	16.0	123 CK	15.5	127 CK	16.0	126 CK		15.0	133	15.0	137	14.5	141	14.5	141
	49	41.0	106 CK	41.0	106 CK	44.0	112 CK	43.0	111 CK		50.0	118	52.0	123	54.0	127	54.0	128
		113 CK		113 CK		117 CK		116 CK			124		128	131	131	131	131	
		16.0	120 CK	16.0	120 CK	16.0	124 CK	16.0	123 CK		15.5	131	15.0	134	15.0	138	15.0	138
	49					42.0	109 CK	41.0	108 CK		48.0	115	50.0	120	52.0	124	52.0	124
						114 CK		113 CK			121		125	128	128	128	128	
						16.0	121 CK	16.0	120 CK		15.5	128	15.5	132	15.0	135	15.0	135
											46.0	115	48.0	116	50.0	121	50.0	121
											119		122	126	126	126	126	
											15.5	128	16.0	129	15.5	132	15.5	132
											44.0	115	46.0	115	48.0	118	48.0	118
											14.5	128	15.5	128	16.0	130	16.0	130
											42.0	115	44.0	115	46.0	115	46.0	115
											119		119	120	120	120	120	
											14.0	128	15.0	128	16.0	128	16.0	128

LIMITATION CODES: F = Field length S = 2nd Segment * = Obstacles T = Tire speed B = Brake energy
C = Approach climb BLANK = No limitations

ROME Ciampino 15

VMCG VRMIN V2MIN	WET FLAP 15						
	OAT °C	WIND (kt)					
		-10	-5		0	10	
115 117 126	-10 (NA)	NO T/O	57.7 * 13.5	122 134 141	58.8 * 13.5	125 136 143	59.5 * 13.5 144
115 117 126	-5 (NA)	NO T/O	57.6 * 13.5	122 134 141	58.7 * 13.5	125 136 143	59.4 * 13.5 144
115 117 126	0 (NA)	NO T/O	57.5 * 13.5	122 134 141	58.7 * 13.5	124 135 143	59.4 * 13.5 143
115 117 126	5 (NA)	NO T/O	57.5 * 13.5	122 134 141	58.6 * 13.5	124 135 143	59.3 * 13.5 143
115 117 126	10 (NA)	NO T/O	57.4 * 13.5	121 134 141	58.5 * 13.5	124 135 142	59.2 * 13.5 143
115 117 126	15 (NA)	NO T/O	57.3 * 13.5	121 134 141	58.5 * 13.5	124 135 142	59.2 * 13.5 143
115 117 126	20 (NA)	NO T/O	57.2 * 13.5	121 134 141	58.4 * 13.5	124 135 142	59.1 * 13.5 143
115 117 126	25 (NA)	NO T/O	57.1 * 13.5	121 134 141	58.3 * 13.5	124 135 142	59.0 * 13.5 143
115 117 126	27 (NA)	NO T/O	57.0 F 13.5	121 133 141	58.3 * 13.5	124 135 142	58.9 * 13.5 143
115 117 126	29 (NA)	NO T/O	56.6 F 14.0	120 133 140	58.2 * 13.5	124 135 142	58.9 * 13.5 143
114 117 125	31 (NA)	NO T/O	56.1 F 14.0	120 132 139	57.5 * 13.5	123 134 141	58.2 * 13.5 142
113 116 124	33 (NA)	NO T/O	55.5 F 14.0	119 132 139	56.8 * 13.5	122 133 140	57.5 * 13.5 141
112 115 124	35 (NA)	NO T/O	54.8 * 14.0	119 131 138	56.0 * 13.5	122 132 139	56.7 * 13.5 140
112 115 123	37 (31)	NO T/O	54.0 * 14.0	118 130 137	55.1 * 13.5	121 131 138	55.8 * 13.5 139
111 114 122	39 (32)	NO T/O	53.3 * 14.0	117 129 136	54.4 * 13.5	120 131 137	55.1 * 13.5 138
			53.0	116 128 14.0	54.0	118 130 137	55.0 121 13.5
			51.0	112 CK 126 14.5	52.0	115 CK 127 134	53.0 117 128 135
			49.0	108 CK 123 14.5	50.0	111 CK 124 131	51.0 113 CK 126 132
			47.0	105 CK 120 15.0	48.0	107 CK 121 128	49.0 110 CK 123 130
			45.0	101 CK 117 CK 15.5	46.0	103 CK 118 126 CK	47.0 106 CK 120 127
			43.0	96 CK 113 CK 15.5	44.0	99 CK 115 CK 123 CK	45.0 102 CK 117 CK 124 CK
			41.0	92 CK 110 CK 15.5	42.0	95 CK 112 CK 120 CK	43.0 98 CK 113 CK 121 CK
					40.0	91 CK 108 CK 15.5	41.0 94 CK 110 CK 119 CK

LIMITATION CODES: F = Field length S = 2nd Segment
G = TOW limited by VMCG

SSW										
MAXIMUM DEPTH { 0.90" (22 mm) of DRY SNOW 0.25" (6 mm) of SLUSH/WET SNOW 0.20" (5 mm) of STANDING WATER PTOW (ton) / LIMIT CODE										
OAT	WIND (kt)								FLAP	
°C	-10	-5	0	10						
-10	NO T/O	52.0 G	55.7 F	56.9 F						15
-5	NO T/O	49.2 G	55.1 F	56.4 F						
0	NO T/O	47.2 G	54.6 F	55.9 F						
5	NO T/O	NO T/O	54.1 F	55.4 F						
10	NO T/O	NO T/O	53.8 F	55.1 F						
15	NO T/O	NO T/O	53.4 F	54.7 F						
20	NO T/O	NO T/O	52.1 G	54.2 F						
25	NO T/O	NO T/O	49.7 G	53.7 F						
30	NO T/O	NO T/O	48.5 G	53.0 F						
-10	NO T/O	52.6 G	56.5 *	57.2 *						17
-5	NO T/O	49.7 G	56.3 *	57.1 *						
0	NO T/O	NO T/O	55.8 F	57.0 *						
5	NO T/O	NO T/O	55.3 F	56.5 F						
10	NO T/O	NO T/O	55.0 F	56.3 F						
15	NO T/O	NO T/O	54.5 F	55.8 F						
20	NO T/O	NO T/O	52.7 G	55.4 F						
25	NO T/O	NO T/O	50.4 G	54.9 F						
30	NO T/O	NO T/O	49.1 G	54.2 F						
MAXIMUM LANDING WEIGHT (ton)										
RUNWAY LENGTH LIMITATIONS Runway Length : 7228 ft (2203 m)						CLIMB LIMIT (Go-Around)				
FLAP		40		28		OAT °C	W (ton)			
RWY	COND	DRY	WET	DRY	WET					
W	-10	75.0	63.7	75.0	62.5	-9	70.9			
I	-5	75.0	69.7	75.0	68.5	27	70.9			
N	0	75.0	75.0	75.0	74.5	29	70.3			
D	10	75.0	75.0	75.0	75.0	31	69.2			
	20	75.0	75.0	75.0	75.0	33	68.2			
						35	67.2			
						37	66.3			
						39	65.3			
For QNH corrections, use values relevant to Go-Around										
WEIGHT CORRECTIONS (kg) for :										
CONDITIONS		TAKEOFF				GO AROUND				
		DRY	WET	SSW 15	SSW 17					
ENG + AIRF A/I ON		-3000	-1900	-300	-1800	-4000				
QNH < 1013 (kg/hPa)		-80	-80	-100	-100	-80				
QNH > 1013 (kg/hPa)		+30	+30	+30	+30	+30				
max Δ hPa : 16										
CIA15R01 24100809 02 Apr 2009										
NOTE : MTOW/MLAW (structural) see AOM Vol.2 Chap.1										
ONE ENGINE OUT PROCEDURE :										
- At 650 ft QNH, right turn to PRA/L or or URB/NDB.										
- Acceleration altitude: 2400 ft QNH										

* = Obstacles A = TOW limited by acceleration

LIMITATION CODES: F = Field length S = 2nd Segment * = Obstacles T = Tire speed B = Brake energy
C = Approach climb BLANK = No limitations

ROME Ciampino 33

VMCG VRMIN V2MIN	WET FLAP 15						
	OAT °C	WIND (kt)					
		-10	-5	0	10		
115 117 126	-10 (NA)	NO T/O	NO T/O	64.7 * 13.0	126 142 150	65.7 * 12.5	128 144 151
115 117 126	-5 (NA)	NO T/O	NO T/O	64.3 * 13.0	126 142 150	65.4 * 12.5	128 143 151
115 117 126	0 (NA)	NO T/O	NO T/O	63.8 * 13.0	125 141 149	65.0 * 12.5	127 143 150
115 117 126	5 (NA)	NO T/O	NO T/O	63.4 * 13.0	124 141 149	64.6 * 13.0	127 142 150
115 117 126	10 (NA)	NO T/O	NO T/O	63.2 * 13.0	124 141 148	64.4 * 13.0	126 142 150
115 117 126	15 (NA)	NO T/O	NO T/O	62.9 * 13.0	123 140 148	64.0 * 13.0	125 142 149
115 117 126	20 (NA)	NO T/O	NO T/O	62.5 * 13.0	123 140 147	63.6 * 13.0	125 141 149
115 117 126	25 (NA)	NO T/O	NO T/O	62.1 * 13.0	122 139 147	63.2 * 13.0	124 141 148
115 117 126	27 (NA)	NO T/O	NO T/O	61.9 * 13.0	122 139 147	63.1 * 13.0	124 141 148
115 117 126	29 (NA)	NO T/O	NO T/O	61.6 * 13.0	121 139 146	62.8 * 13.0	124 140 148
114 117 125	31 (NA)	NO T/O	NO T/O	61.1 * 13.0	121 138 146	62.2 * 13.0	123 139 147
113 116 124	33 (NA)	NO T/O	NO T/O	60.4 * 13.0	121 137 145	61.5 * 13.0	123 139 146
112 115 124	35 (NA)	NO T/O	NO T/O	59.7 * 13.0	120 137 144	60.8 * 13.0	122 138 146
112 115 123	37 (31)	NO T/O	NO T/O	59.0 * 13.0	119 136 143	60.1 * 13.0	122 137 145
111 114 122	39 (32)	NO T/O	NO T/O	58.3 * 13.0	119 135 142	59.4 * 13.0	121 136 144
110 113 121	41 (34)	NO T/O	NO T/O	57.6 * 13.0	118 134 142	58.7 * 13.0	120 136 143
	41			57.0 133 13.0	116 133 141	58.0 115 13.0	118 135 142
	41			55.0 113 CK 13.5	116 131 138	56.0 115 13.5	118 132 139
	41			53.0 110 CK 14.0	116 128 136	54.0 112 CK 13.5	118 129 137
	41			51.0 106 CK 14.0	116 125 133	52.0 108 CK 14.0	118 126 134
	41			49.0 102 CK 14.5	116 122 130	50.0 105 CK 14.0	118 123 132
	41			47.0 99 CK 15.0	116 119 127	48.0 101 CK 14.5	118 120 129
	41			45.0 95 CK 15.0	116 116 CK 125 CK	46.0 97 CK 117 126	118 117 126

SSW						MAXIMUM DEPTH	
						{ 0.90" (22 mm) of DRY SNOW	
						0.25" (6 mm) of SLUSH/WET SNOW	
						0.20" (5 mm) of STANDING WATER	
PTOW (ton) / LIMIT CODE							
OAT	WIND (kt)					FLAP	
°C	-10	-5	0	10			
-10	NO T/O	NO T/O	57.2 G	60.3 *	15		
-5	NO T/O	NO T/O	54.7 G	59.9 *			
0	NO T/O	NO T/O	52.1 G	58.9 G			
5	NO T/O	NO T/O	49.5 G	56.5 G			
10	NO T/O	NO T/O	47.6 G	54.3 G			
15	NO T/O	NO T/O	NO T/O	52.3 G			
20	NO T/O	NO T/O	NO T/O	50.1 G	20		
25	NO T/O	NO T/O	NO T/O	48.1 G			
30	NO T/O	NO T/O	NO T/O	47.0 G			
-10	NO T/O	NO T/O	58.7 G	61.0 *			
-5	NO T/O	NO T/O	56.2 G	60.6 *			
0	NO T/O	NO T/O	53.7 G	60.3 *			
5	NO T/O	NO T/O	51.2 G	58.1 G	20		
10	NO T/O	NO T/O	NO T/O	55.8 G			
15	NO T/O	NO T/O	NO T/O	53.9 G			
20	NO T/O	NO T/O	NO T/O	51.8 G			
25	NO T/O	NO T/O	NO T/O	NO T/O			
30	NO T/O	NO T/O	NO T/O	NO T/O			

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 7228 ft (2203 m)				CLIMB LIMIT (Go-Around)	
FLAP	40		28		OAT
RWY COND	DRY	WET	DRY	WET	°C
W	-10	75.0	63.7	75.0	62.5
I	-5	75.0	69.7	75.0	68.5
N	0	75.0	75.0	75.0	74.5
D	10	75.0	75.0	75.0	75.0
	20	75.0	75.0	75.0	75.0
For QNH corrections, use values relevant to Go-Around					-9
					27
					29
					31
					33
					35
					37
					39
					70.9
					70.9
					70.3
					69.2
					68.2
					67.2
					66.3
					65.3

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW 20	
ENG + AIRF A/I ON	-3000	-1100	-400	-1000	-4000
QNH < 1013 (kg/hPa)	-80	-80	-100	-100	-80
QNH > 1013 (kg/hPa)	+30	+30	+30	+30	+30
max Δ hPa :	16				

CIA33R01	24100809	02 Apr 2009
NOTE : MTOW/MLAW (structural) see AOM Vol.2 Chap.1		
ONE ENGINE OUT PROCEDURE :		
- URB/NDB standard EFP or,		
- Direct to CIA/NDB (Holding inbound 150, left turn) Acceleration altitude: 2000 ft QNH		

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JT8D-217A A/C : OFF/ON A/I OFF or ENG A/I ON			PTOW (ton) ; V1 (KIAS) LIMIT CODE ; VR (KIAS) PITCH (deg) ; V2 (KIAS)	02 Apr 2009

VMCG VRMIN V2MIN	FLAP 15 DRY						
	OAT °C	W I N D (kt)					
		-10	-5	0	10		
115	27	55.2	126	57.3	130	59.2	133
117		F	131	F	134	*	136
126	(NA)	14.0	138	13.5	141	13.5	143
						13.5	144
115	29	55.0	126	57.1	130	59.1	133
117		F	131	F	134	*	136
126	(NA)	14.0	138	13.5	141	13.5	143
						13.5	144
114	31	54.5	126	56.6	129	58.4	132
117		F	130	F	133	*	135
125	(NA)	14.0	137	13.5	140	13.5	142
						13.5	143
113	33	54.0	125	56.0	129	57.7	131
116		F	130	F	132	*	135
124	(NA)	14.0	137	13.5	139	13.5	141
						13.5	142
112	35	53.4	124	55.4	128	56.9	131
115		F	129	F	132	*	134
124	(NA)	14.0	136	13.5	138	13.5	140
						13.5	141
112	37	52.7	124	54.7	127	56.0	130
115		F	128	F	131	*	133
123	(31)	14.0	135	13.5	138	13.5	139
						13.5	140
111	39	52.1	123	54.1	127	55.3	129
114		F	127	F	130	*	132
122	(32)	14.0	134	13.5	137	13.5	138
						13.5	139
110	41	51.5	123	53.5	126	54.5	128
113		F	127	F	129	*	131
121	(34)	14.0	133	13.5	136	13.5	137
						13.5	138
109	43	50.9	122	52.8	125	53.8	127
112		F	126	*	129	*	130
121	(35)	14.0	132	13.5	135	13.5	136
						13.5	137
108	45	50.4	121	52.1	125	53.1	127
112		F	125	*	128	*	129
120	(37)	14.0	132	13.5	134	13.5	135
						13.5	136
107	47	49.9	121	51.3	124	52.3	126
111		F	125	*	127	*	128
119	(39)	14.0	131	13.5	133	13.5	134
						13.5	135
107	49	49.3	121	50.5	123	51.5	125
110		F	124	*	126	*	127
118	(41)	14.0	130	13.5	132	13.5	133
						13.5	134
49		49.0	119	50.0	121	51.0	123
			123		125		126
		14.0	130	14.0	131	13.5	132
						13.5	134
49		47.0	116	48.0	118	49.0	120
			120		122		123
		14.5	127	14.0	128	14.0	130
						14.0	131
49		45.0	112CK	46.0	115CK	47.0	117
			117		119		120
		15.0	124CK	14.5	126CK	14.5	127
						14.0	128
49		43.0	109CK	44.0	111CK	45.0	113CK
			114CK		116CK		117
		15.0	121CK	15.0	123CK	15.0	124CK
						14.5	126CK
49		41.0	105CK	42.0	107CK	43.0	109CK
			111CK		113CK		114CK
		15.5	119CK	15.5	120CK	15.0	121CK
						15.0	123CK
49				40.0	103CK	41.0	106CK
					109CK		111CK
				15.5	117CK	15.5	119CK
							15.5
49						40.0	104CK
							109CK
						15.5	117CK

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 7228 ft (2203 m)					
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	OAT °C
W -10	75.0	63.7	75.0	62.5	-9
I -5	75.0	69.7	75.0	68.5	27
N 0	75.0	75.0	75.0	74.5	29
D 10	75.0	75.0	75.0	75.0	31
20	75.0	75.0	75.0	75.0	33
					35
					37
					39
For QNH corrections, use values relevant to Go-Around					70.9
					70.9
					70.3
					69.2
					68.2
					67.2
					66.3
					65.3

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON	-3000				-4000
QNH < 1013 (kg/hPa)	-80				-80
QNH > 1013 (kg/hPa)	+30				+30
max Δ hPa :	16				

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NOTE : MTOW/MLAW (structural) see AOM Vol.2 Chap.1

ONE ENGINE OUT PROCEDURE :

- At 650 ft QNH, right turn to PRA/L or or URB/NDB.

- Acceleration altitude: 2400 ft QNH

LIMITATION CODES: F = Field length S = 2nd Segment * = Obstacles T = Tire speed B = Brake energy
C = Approach climb BLANK = No limitations

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 427 ft Length: 7228 ft (2203 m) Slope: -1.18 % Shift: 13 ft (3 m)	Runway 33	Airport LIRA - CIA ROME Ciampino
JT8D-217A A/C : OFF/ON A/I OFF or ENG A/I ON			PTOW (ton) ; V1 (KIAS) LIMIT CODE ; VR (KIAS) PITCH (deg) ; V2 (KIAS)	02 Apr 2009

VMCG VRMIN V2MIN	FLAP 15 DRY								
	OAT °C	W I N D (kt)							
		-10		-5		0		10	
115	27	61.1	130	63.3	133	65.3	137	66.5	139
117		F	138	F	141	*	143	*	145
126	(NA)	13.0	146	13.0	148	12.5	151	12.5	152
115	29	60.9	130	63.1	133	65.2	136	66.4	139
117		F	138	F	141	*	143	*	145
126	(NA)	13.0	146	13.0	148	12.5	151	12.5	152
114	31	60.4	129	62.5	133	64.5	136	65.7	138
117		F	137	F	140	*	142	*	144
125	(NA)	13.0	145	13.0	148	12.5	150	12.5	151
113	33	59.8	129	61.9	132	63.8	135	65.0	138
116		F	137	F	139	*	142	*	143
124	(NA)	13.0	144	13.0	147	12.5	149	12.5	150
112	35	59.1	128	61.2	132	63.0	135	64.2	137
115		F	136	*	138	*	141	*	142
124	(NA)	13.0	143	13.0	146	12.5	148	12.5	150
112	37	58.4	127	60.4	131	62.2	134	63.3	136
115		F	135	*	138	*	140	*	141
123	(31)	13.0	143	13.0	145	12.5	147	12.5	149
111	39	57.7	127	59.7	130	61.5	133	62.6	135
114		F	134	*	137	*	139	*	141
122	(32)	13.0	142	13.0	144	12.5	146	12.5	148
110	41	57.0	126	58.9	129	60.7	132	61.8	135
113		F	133	*	136	*	138	*	140
121	(34)	13.0	141	13.0	143	12.5	145	12.5	147
109	43	56.3	125	58.2	129	59.9	132	61.0	134
112		F	133	*	135	*	137	*	139
121	(35)	13.0	140	13.0	142	12.5	144	12.5	146
108	45	55.7	125	57.6	128	59.2	131	60.3	133
112		F	132	*	134	*	137	*	138
120	(37)	13.0	139	13.0	142	12.5	144	12.5	145
107	47	55.1	124	56.9	127	58.5	130	59.5	132
111		*	131	*	134	*	136	*	137
119	(39)	13.0	138	13.0	141	12.5	143	12.5	144
107	49	54.4	124	56.1	127	57.8	130	58.6	131
110		*	131	*	133	*	135	S	136
118	(41)	13.0	138	13.0	140	12.5	142	12.5	143

	49	54.0	123	56.0	126	57.0	128	58.0	130
			130		132		134		135
		13.0	137	13.0	139	13.0	141	12.5	142
	49	52.0	119	54.0	123	55.0	125	56.0	127
			127		130		131		132
		13.5	134	13.0	137	13.0	138	13.0	139
	49	50.0	116	52.0	120	53.0	122	54.0	123
			124		127		128		130
		14.0	132	13.5	134	13.5	136	13.0	137
	49	48.0	113 CK	50.0	116	51.0	118	52.0	120
			121		124		126		127
		14.0	129	14.0	132	13.5	133	13.5	134
	49	46.0	109 CK	48.0	113 CK	49.0	115	50.0	117
			118		121		123		124
		14.5	126	14.0	129	14.0	130	14.0	132
	49	44.0	106 CK	46.0	110 CK	47.0	112 CK	48.0	114 CK
			115 CK		118		120		121
		15.0	123 CK	14.5	126	14.5	127	14.0	129
	49	42.0	103 CK	44.0	106 CK	45.0	109 CK	46.0	111 CK
			112 CK		115 CK		117 CK		118
		15.5	120 CK	15.0	123 CK	14.5	125 CK	14.5	126
	49	40.0	99 CK	42.0	103 CK	43.0	105 CK	44.0	107 CK
			109 CK		112 CK		113 CK		115 CK
		15.5	117 CK	15.5	120 CK	15.0	122 CK	15.0	123 CK
	49			40.0	99 CK	41.0	102 CK	42.0	104 CK
					109 CK		110 CK		112 CK
				15.5	117 CK	15.0	119 CK	15.5	120 CK

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 7228 ft (2203 m)					
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	OAT °C
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					70.9
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					69.2
					68.2
					67.2
					66.3
					65.3

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF			GO AROUND	
	DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON	-3000				-4000
QNH < 1013 (kg/hPa)	-80				-80
QNH > 1013 (kg/hPa)	+30				+30
max Δ hPa :	16				

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NOTE : MTOW/MLAW (structural) see AOM Vol.2 Chap.1
ONE ENGINE OUT PROCEDURE :
- URB/NDB standard EFP or,
- Direct to CIA/NDB (Holding inbound 150, left turn) Acceleration altitude: 2000 ft QNH

LIMITATION CODES: F = Field length S = 2nd Segment * = Obstacles T = Tire speed B = Brake energy
C = Approach climb BLANK = No limitations