

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 13 ft Length: 10850 ft (3307 m) Slope: -0.01 % Shift: 0 ft (0 m)	Runway 07	Airport ROME Fiumicino LIRF - FCO
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)	06 Jul 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
115 119 128	27 (NA)	69.8 S	69.8 S	69.8 S	69.8 S	-10	72.3 S	72.5	72.5	72.5	
115 119 128	29 (NA)	69.7 S	69.7 S	69.7 S	69.7 S	-5	72.3 S	72.5	72.5	72.5	
114 118 127	31 (NA)	68.9 S	68.9 S	68.9 S	68.9 S	0	72.2 S	72.5	72.5	72.5	
113 118 127	33 (NA)	68.0 S	68.0 S	68.0 S	68.0 S	5	72.2 S	72.5	72.5	72.5	
113 117 126	35 (NA)	67.1 143 S 148 13.5 155	67.1 143 S 148 13.5 155	67.1 144 S 148 13.5 155	67.1 144 S 148 13.5 155	10	72.2 S	72.5	72.5	72.5	
112 116 125	37 (30)	66.1 142 S 146 13.5 153	66.1 142 S 146 13.5 153	66.1 142 S 146 13.5 153	66.1 143 S 146 13.5 153	15	72.1 S	72.5	72.5	72.5	
111 116 124	39 (32)	65.2 141 S 145 13.5 152	65.2 141 S 145 13.5 152	65.2 141 S 145 13.5 152	65.2 142 S 145 13.5 152	20	72.1 S	72.5	72.5	72.5	
110 115 123	41 (33)	64.3 140 S 145 13.5 151	64.3 140 S 145 13.5 151	64.3 141 S 145 13.5 151	64.3 141 S 145 13.5 151	25	71.6 F	72.5	72.5	72.5	
109 114 123	43 (35)	63.4 139 S 144 13.5 150	63.4 139 S 144 13.5 150	63.4 140 S 144 13.5 150	63.4 140 S 144 13.5 150	27	71.4 F	72.5	72.5	72.5	
109 113 122	45 (37)	62.5 138 S 142 13.5 149	62.5 138 S 142 13.5 149	62.5 139 S 142 13.5 149	62.5 139 S 142 13.5 149	29	71.1 F	72.4 F	72.5	72.5	
108 112 121	47 (39)	61.5 137 S 141 13.5 148	61.5 137 S 141 13.5 148	61.5 137 S 141 13.5 148	61.5 138 S 141 13.5 148	31	70.4 F	71.7 F	71.8 S	71.8 S	
107 112 120	49 (41)	60.4 136 S 140 13.5 146	60.4 136 S 140 13.5 146	60.4 136 S 140 13.5 146	60.4 137 S 140 13.5 146	33	69.7 F	70.8 S	70.8 S	70.8 S	
	49	60.0 135 140 13.5 146	60.0 135 140 13.5 146	60.0 136 140 13.5 146	60.0 136 140 13.5 146	35	69.0 F	69.9 S	69.9 S	69.9 S	
	49	58.0 132 137 13.5 143	58.0 132 137 13.5 143	58.0 133 137 13.5 143	58.0 133 137 13.5 143	37	68.2 F	68.9 S	68.9 S	68.9 S	
	49	56.0 129 134 14.0 141	56.0 129 134 14.0 141	56.0 130 134 14.0 141	56.0 130 134 14.0 141	39	67.2 S	67.9 S	67.9 S	67.9 S	
	49	54.0 126 132 14.0 138	54.0 126 132 14.0 138	54.0 127 132 14.0 138	54.0 127 132 14.0 138		67.0 147 152 13.5 158	67.0 150 154 13.5 160	67.0 150 154 13.5 160	67.0 150 154 13.5 160	
	49	52.0 122 129 14.5 135	52.0 123 129 14.5 135	52.0 123 129 14.5 135	52.0 124 129 14.5 135		65.0 144 149 13.5 156	65.0 147 151 13.5 158	65.0 147 151 13.5 158	65.0 147 151 13.5 158	
	49	50.0 119 126 15.0 133	50.0 120 126 15.0 133	50.0 120 126 15.0 133	50.0 121 126 15.0 133		63.0 141 146 14.0 153	63.0 143 149 14.0 155	63.0 144 149 14.0 155	63.0 144 149 14.0 155	
	49	48.0 116 123 15.0 130	48.0 116 123 15.0 130	48.0 117 123 15.0 130	48.0 117 123 15.0 130		61.0 138 144 14.0 151	61.0 140 146 14.0 152	61.0 141 146 14.0 152	61.0 141 146 14.0 152	
	49	46.0 112CK 120 15.5 128CK	46.0 113CK 120 15.5 128CK	46.0 114CK 120 15.5 128CK	46.0 114CK 120 15.5 128CK		59.0 135 141 14.5 148	59.0 137 143 14.5 150	59.0 138 143 14.5 150	59.0 138 143 14.5 150	
	49	44.0 109CK 117CK 16.0 125CK	44.0 109CK 117CK 16.0 125CK	44.0 110CK 117CK 16.0 125CK	44.0 110CK 117CK 16.0 125CK		57.0 132 138 14.5 146	57.0 134 140 14.5 147	57.0 135 140 14.5 147	57.0 135 140 14.5 147	

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

ROME Fiumicino 07

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115 117 126	-10 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	-5 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	0 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	5 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	10 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	15 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	20 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	25 (NA)	68.0 *	68.0 F	68.0 F	68.0 F	
115 117 126	27 (NA)	67.9 *	68.0 F	68.0 F	68.0 F	
115 117 126	29 (NA)	67.9 *	68.0 F	68.0 F	68.0 F	
114 117 125	31 (NA)	67.2 * 133 146 12.5 153	67.5 S	67.5 S	67.5 S	
113 116 124	33 (NA)	66.4 * 132 145 12.5 152	66.7 S 133 146 12.5 152	66.7 S 134 146 12.5 152	66.7 S 134 146 12.5 152	
112 115 124	35 (NA)	65.7 * 132 144 12.5 151	65.9 S 132 145 12.5 151	65.9 S 133 145 12.5 151	65.9 S 133 145 12.5 151	
112 115 123	37 (30)	64.7 * 131 143 12.5 150	64.9 S 132 144 12.5 150	64.9 S 132 144 12.5 150	64.9 S 132 144 12.5 150	
111 114 122	39 (32)	63.8 * 130 142 12.5 149	64.1 S 131 143 12.5 149	64.1 S 131 143 12.5 149	64.1 S 132 143 12.5 149	
110 113 121	41 (33)	63.0 * 129 141 12.5 148	63.2 S 130 142 12.5 148	63.2 S 130 142 12.5 148	63.2 S 131 142 12.5 148	
	41	61.0 126 139 12.5 146	63.0 129 141 12.5 148	63.0 130 141 12.5 148	63.0 130 141 12.5 148	
	41	59.0 122 136 13.0 143	61.0 126 139 12.5 146	61.0 127 139 12.5 146	61.0 127 139 12.5 146	
	41	57.0 119 134 13.0 141	59.0 123 136 13.0 143	59.0 123 136 13.0 143	59.0 124 136 13.0 143	
	41	55.0 115 131 13.5 138	57.0 119 134 13.0 141	57.0 120 134 13.0 141	57.0 120 134 13.0 141	
	41	53.0 112 CK 128 14.0 135	55.0 116 131 13.5 138	55.0 117 131 13.5 138	55.0 117 131 13.5 138	
	41	51.0 108 CK 125 14.0 133	53.0 112 CK 128 14.0 135	53.0 113 CK 128 14.0 135	53.0 113 CK 128 14.0 135	
	41	49.0 104 CK 122 14.5 130	51.0 109 CK 125 14.0 133	51.0 109 CK 125 14.0 133	51.0 110 CK 125 14.0 133	

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	66.1 F	68.0 F	68.0 F	68.0 F	15		
-5	65.4 F	67.7 F	68.0 F	68.0 F			
0	64.8 F	67.1 F	68.0 F	68.0 F			
5	64.3 F	66.4 F	68.0 F	68.0 F			
10	64.0 F	66.2 F	68.0 F	68.0 F			
15	63.4 F	65.6 F	68.0 F	68.0 F			
20	62.8 F	65.0 F	67.4 F	68.0 F			
25	62.3 F	64.5 F	66.8 F	68.0 F			
30	61.5 F	63.7 F	65.9 F	67.3 F			

MAXIMUM LANDING WEIGHT (ton)							
RUNWAY LENGTH LIMITATIONS Runway Length : 9488 ft (2892 m)						CLIMB LIMIT (Go-Around)	
FLAP		40		28		OAT	W
RWY COND		DRY	WET	DRY	WET	° C	(ton)
W	-10	75.0	75.0	75.0	75.0	-7	71.7
I	-5	75.0	75.0	75.0	75.0	27	71.7
N	0	75.0	75.0	75.0	75.0	29	71.0
D	10	75.0	75.0	75.0	75.0	31	70.1
	20	75.0	75.0	75.0	75.0	33	69.2
						35	68.2
						37	67.3
						39	66.3
For QNH corrections, use values relevant to Go-Around							

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON	-3000	-2000	-2100		-4000
QNH < 1013 (kg/hPa)	-80	-80	-60		-80
QNH > 1013 (kg/hPa)	+30	+30	+30		+30
max Δ hPa :	1				

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

ONE ENGINE OUT PROCEDURE :

- At FE/LOM (DME5 OST), right turn to FN or PRA/L.
- Acceleration altitude: 1500 ft QNH

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 13 ft Length: 9482 ft (2890 m) Slope: -0.01 % Shift: 1375 ft (419 m)	Runway 07	Airport ROME Fiumicino LIRF - FCO
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)	06 Jul 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
115 119 128	27 (NA)	68.4 F	69.8 S	69.8 S	69.8 S	-10	69.3 S	70.8 S	71.6 S	71.6 S	
115 119 128	29 (NA)	68.2 F	69.7 S	69.7 S	69.7 S	-5	69.3 S	70.8 S	71.5 S	71.5 S	
114 118 127	31 (NA)	67.5 F	68.9 S	68.9 S	68.9 S	0	69.2 S	70.8 S	71.5 S	71.5 S	
113 118 127	33 (NA)	66.8 142 F 147 13.5 154	68.0 S	68.0 S	68.0 S	5	69.2 S	70.7 S	71.5 S	71.5 S	
113 117 126	35 (NA)	66.1 142 F 146 13.5 153	67.1 143 S 148 13.5 155	67.1 144 S 148 13.5 155	67.1 144 S 148 13.5 155	10	69.1 S	70.7 S	71.4 S	71.4 S	
112 116 125	37 (30)	65.3 141 F 145 13.5 152	66.1 142 S 146 13.5 153	66.1 142 S 146 13.5 153	66.1 143 S 146 13.5 153	15	69.1 S	70.7 S	71.4 S	71.4 S	
111 116 124	39 (32)	64.5 140 F 145 13.5 151	65.2 141 S 145 13.5 152	65.2 141 S 145 13.5 152	65.2 142 S 145 13.5 152	20	69.1 S	70.6 S	71.4 S	71.4 S	
110 115 123	41 (33)	63.8 139 F 144 13.5 150	64.3 140 S 145 13.5 151	64.3 141 S 145 13.5 151	64.3 141 S 145 13.5 151	25	68.8 F	70.4 F	71.3 S	71.3 S	
109 114 123	43 (35)	63.1 139 F 143 13.5 150	63.4 139 S 144 13.5 150	63.4 140 S 144 13.5 150	63.4 140 S 144 13.5 150	27	68.7 F	70.2 F	71.3 S	71.3 S	
109 113 122	45 (37)	62.4 138 F 142 13.5 149	62.5 138 S 142 13.5 149	62.5 139 S 142 13.5 149	62.5 139 S 142 13.5 149	29	68.4 F	69.9 F	71.2 S	71.2 S	
108 112 121	47 (39)	61.5 137 S 141 13.5 148	61.5 137 S 141 13.5 148	61.5 137 S 141 13.5 148	61.5 138 S 141 13.5 148	31	67.7 F	69.2 F	70.3 S	70.3 S	
107 112 120	49 (41)	60.4 136 S 140 13.5 146	60.4 136 S 140 13.5 146	60.4 136 S 140 13.5 146	60.4 137 S 140 13.5 146	33	67.0 142 F 146 13.5 153	68.5 F	69.4 S	69.4 S	
	49	60.0 135 140 13.5 146	60.0 135 140 13.5 146	60.0 136 140 13.5 146	60.0 136 140 13.5 146	35	66.3 141 S 146 13.5 153	67.8 S	68.5 S	68.5 S	
	49	58.0 132 137 13.5 143	58.0 132 137 13.5 143	58.0 133 137 13.5 143	58.0 133 137 13.5 143	37	65.3 140 S 144 13.5 151	66.8 144 S 148 13.5 155	67.5 147 S 151 13.5 157	67.5 147 S 151 13.5 157	
	49	56.0 129 134 14.0 141	56.0 129 134 14.0 141	56.0 130 134 14.0 141	56.0 130 134 14.0 141	39	64.4 139 S 143 13.5 150	65.8 143 S 147 13.5 154	66.5 146 S 150 13.5 156	66.5 146 S 150 13.5 156	
	49	54.0 126 132 14.0 138	54.0 126 132 14.0 138	54.0 127 132 14.0 138	54.0 127 132 14.0 138		64.0 138 143 13.5 150	65.0 142 146 13.5 153	66.0 145 149 13.5 155	66.0 145 149 13.5 155	
	49	52.0 122 129 14.5 135	52.0 123 129 14.5 135	52.0 123 129 14.5 135	52.0 124 129 14.5 135		62.0 135 140 13.5 147	63.0 139 144 13.5 151	64.0 142 146 13.5 153	64.0 142 146 13.5 153	
	49	50.0 119 126 15.0 133	50.0 120 126 15.0 133	50.0 120 126 15.0 133	50.0 121 126 15.0 133		60.0 132 138 14.0 145	61.0 136 141 14.0 148	62.0 139 144 14.0 150	62.0 139 144 14.0 150	
	49	48.0 116 123 15.0 130	48.0 116 123 15.0 130	48.0 117 123 15.0 130	48.0 117 123 15.0 130		58.0 129 135 14.0 142	59.0 133 139 14.0 146	60.0 136 141 14.0 148	60.0 136 141 14.0 148	
	49	46.0 112 CK 120 15.5 128 CK	46.0 113 CK 120 15.5 128 CK	46.0 114 CK 120 15.5 128 CK	46.0 114 CK 120 15.5 128 CK		56.0 126 133 14.5 140	57.0 130 136 14.5 143	58.0 133 139 14.5 145	58.0 133 139 14.5 145	
	49	44.0 109 CK 117 CK 16.0 125 CK	44.0 109 CK 117 CK 16.0 125 CK	44.0 110 CK 117 CK 16.0 125 CK	44.0 110 CK 117 CK 16.0 125 CK		54.0 123 130 14.5 137	55.0 127 133 15.0 141	56.0 130 136 15.0 143	56.0 130 136 15.0 143	

T/O FROM PSN A

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

ROME Fiumicino 07 T/O FROM PSN A

VMCG VRMIN V2MIN	WET FLAP 15				
	OAT °C	WIND (kt)			
		-10	-5	0	10
115 117 126	-10 (NA)	67.8 *	68.0 F	68.0 F	68.0 F
115 117 126	-5 (NA)	67.8 *	68.0 F	68.0 F	68.0 F
115 117 126	0 (NA)	67.7 *	68.0 F	68.0 F	68.0 F
115 117 126	5 (NA)	67.7 *	68.0 F	68.0 F	68.0 F
115 117 126	10 (NA)	67.7 *	68.0 F	68.0 F	68.0 F
115 117 126	15 (NA)	67.6 *	68.0 F	68.0 F	68.0 F
115 117 126	20 (NA)	67.5 *	68.0 F	68.0 F	68.0 F
115 117 126	25 (NA)	67.1 F	68.0 F	68.0 F	68.0 F
115 117 126	27 (NA)	66.9 132 F 146 12.5 153	68.0 F	68.0 F	68.0 F
115 117 126	29 (NA)	66.6 132 F 145 12.5 152	68.0 F	68.0 F	68.0 F
114 117 125	31 (NA)	66.0 131 F 145 12.5 152	67.5 *	67.5 S	67.5 S
113 116 124	33 (NA)	65.4 131 F 144 12.5 151	66.7 133 S 146 12.5 152	66.7 134 S 146 12.5 152	66.7 134 S 146 12.5 152
112 115 124	35 (NA)	64.8 130 F 143 12.5 150	65.9 132 S 145 12.5 151	65.9 133 S 145 12.5 151	65.9 133 S 145 12.5 151
112 115 123	37 (30)	64.0 130 F 143 12.5 149	64.9 132 S 144 12.5 150	64.9 132 S 144 12.5 150	64.9 132 S 144 12.5 150
111 114 122	39 (32)	63.3 129 F 142 12.5 148	64.1 131 S 143 12.5 149	64.1 131 S 143 12.5 149	64.1 132 S 143 12.5 149
110 113 121	41 (33)	62.6 128 F 141 12.5 147	63.2 130 S 142 12.5 148	63.2 130 S 142 12.5 148	63.2 131 S 142 12.5 148
	41	62.0 127 140 12.5 147	63.0 129 141 12.5 148	63.0 130 141 12.5 148	63.0 130 141 12.5 148
	41	60.0 124 138 13.0 144	61.0 126 139 12.5 146	61.0 127 139 12.5 146	61.0 127 139 12.5 146
	41	58.0 120 135 13.0 142	59.0 123 136 13.0 143	59.0 123 136 13.0 143	59.0 124 136 13.0 143
	41	56.0 117 132 13.5 139	57.0 119 134 13.0 141	57.0 120 134 13.0 141	57.0 120 134 13.0 141
	41	54.0 113 CK 130 13.5 137	55.0 116 131 13.5 138	55.0 117 131 13.5 138	55.0 117 131 13.5 138
	41	52.0 110 CK 127 14.0 134	53.0 112 CK 128 14.0 135	53.0 113 CK 128 14.0 135	53.0 113 CK 128 14.0 135
	41	50.0 106 CK 124 14.5 131	51.0 109 CK 125 14.0 133	51.0 109 CK 125 14.0 133	51.0 110 CK 125 14.0 133

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	62.0 F	64.3 F	66.6 F	68.0 F	15	
-5	61.4 F	63.6 F	66.0 F	67.4 F		
0	60.8 F	63.0 F	65.4 F	66.8 F		
5	58.3 G	62.4 F	64.8 F	66.2 F		
10	56.1 G	62.2 F	64.6 F	65.9 F		
15	54.2 G	61.7 F	64.0 F	65.3 F		
20	52.2 G	61.1 F	63.4 F	64.8 F	17	
25	49.7 G	60.6 F	62.9 F	64.3 F		
30	48.3 G	59.9 F	62.1 F	63.4 F		
-10	63.3 F	65.5 *	65.9 S	65.9 S		
-5	62.7 F	65.0 F	65.8 S	65.8 S		
0	61.7 G	64.5 F	65.8 S	65.8 S		
5	59.0 G	63.8 F	65.8 S	65.8 S		
10	56.7 G	63.6 F	65.8 S	65.8 S		
15	54.9 G	63.0 F	65.4 F	65.8 S		
20	52.8 G	62.5 F	64.8 F	65.8 S		
25	50.4 G	61.9 F	64.3 F	65.6 F		
30	48.9 G	61.2 F	63.4 F	64.8 F		

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 9488 ft (2892 m)				CLIMB LIMIT (Go-Around)	
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	OAT °C / W (ton)
W	-10	75.0	75.0	75.0	75.0
I	-5	75.0	75.0	75.0	75.0
N	0	75.0	75.0	75.0	75.0
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					
					-7 71.7
					27 71.7
					29 71.0
					31 70.1
					33 69.2
					35 68.2
					37 67.3
					39 66.3

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW 17	
ENG + AIRF A/I ON	-3000	-2200	-2000	-2500	-4000
QNH < 1013 (kg/hPa)	-80	-80	-100	-100	-80
QNH > 1013 (kg/hPa)	+30	+30	+30	+30	+30
max Δ hPa :	1				

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NOTE : MTOW/MLAW (structural) see AOM Vol.2 Chap.1
ONE ENGINE OUT PROCEDURE :
- At FE/LOM (DME5 OST), right turn to FN or PRA/L.
- Acceleration altitude: 1500 ft QNH

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 13 ft Length: 8366 ft (2550 m) Slope: -0.01 % Shift: 2490 ft (758 m)	Runway 07	Airport ROME Fiumicino LIRF - FCO
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)		06 Jul 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						
115 119 128	27 (NA)	64.8 F 14.0	139 144 152	66.9 F 13.5	142 147 154	69.1 F	69.8 S	-10	67.0 * 13.0	68.5 S	70.1 S	70.1 S					
115 119 128	29 (NA)	64.6 F 14.0	139 144 152	66.6 F 13.5	142 147 154	68.9 F	69.7 S	-5	67.0 * 13.0	68.4 S	70.1 S	70.1 S					
114 118 127	31 (NA)	63.9 F 14.0	138 143 151	65.9 F 13.5	141 146 153	68.2 F	68.9 S	0	66.9 * 13.0	68.4 S	70.0 S	70.0 S					
113 118 127	33 (NA)	63.3 F 14.0	137 143 150	65.3 F 13.5	140 145 152	67.4 F	68.0 S	5	66.9 * 13.0	68.4 S	70.0 S	70.0 S					
113 117 126	35 (NA)	62.6 F 14.0	137 142 149	64.6 F 13.5	140 144 152	66.7 F 13.5	67.1 S 148 155	10	66.9 * 13.0	68.3 S	70.0 S	70.0 S					
112 116 125	37 (30)	61.9 F 14.0	136 141 148	63.8 F 13.5	139 144 151	65.9 F 13.5	66.1 S 146 153	15	66.8 * 13.0	68.3 S	69.9 S	69.9 S					
111 116 124	39 (32)	61.1 F 14.0	135 140 147	63.0 F 13.5	138 143 150	65.1 F 13.5	65.2 S 145 152	20	66.7 F 13.0	68.0 F	69.8 F	69.9 S					
110 115 123	41 (33)	60.4 F 14.0	134 140 146	62.3 F 13.5	137 142 149	64.3 S 145 151	64.3 S 145 151	25	66.1 F 13.0	67.5 F	69.3 F	69.8 S					
109 114 123	43 (35)	59.8 F 14.0	134 139 146	61.6 F 13.5	137 141 148	63.4 S 144 150	63.4 S 144 150	27	65.9 F 13.0	67.3 F	69.1 F	69.8 S					
109 113 122	45 (37)	59.1 F 14.0	133 138 145	61.0 F 13.5	136 141 147	62.5 S 142 149	62.5 S 142 149	29	65.6 F 13.0	67.1 F 145 152	68.9 F	69.7 S					
108 112 121	47 (39)	58.4 F 14.0	132 137 144	60.2 F 13.5	135 140 146	61.5 S 141 148	61.5 S 141 148	31	65.0 F 13.0	66.4 F 144 151	68.2 F	68.9 S					
107 112 120	49 (41)	57.7 F 14.0	132 137 143	59.5 F 13.5	135 139 145	60.4 S 140 146	60.4 S 140 146	33	64.4 F 13.0	65.7 F 144 151	67.4 F	68.0 S					
	49	57.0 136 14.0	130 138 142	59.0 138 144	134 140 144	60.0 140 146	60.0 140 146	35	63.9 F 13.0	65.0 F 143 150	66.7 F 147 154	67.1 S 148 155					
	49	55.0 133 14.0	127 136 140	57.0 136 142	131 137 142	58.0 137 143	58.0 137 143	37	63.2 F 13.0	64.2 F 142 149	65.9 F 146 153	66.1 S 146 153					
	49	53.0 130 14.5	124 133 137	55.0 133 140	128 133 140	56.0 134 141	56.0 134 141	39	62.5 F 13.0	63.4 F 141 148	65.1 F 145 152	65.2 S 145 152					
	49	51.0 127 14.5	121 130 134	53.0 130 137	124 130 137	54.0 132 138	54.0 132 138		62.0 138 13.0	63.0 141 147	65.0 145 152	65.0 145 152					
	49	49.0 125 15.0	117 127 131	51.0 127 134	121 129 134	52.0 123 135	52.0 129 135		60.0 135 13.0	61.0 138 145	63.0 143 149	63.0 143 149					
	49	47.0 122 15.5	114 CK 122 129	49.0 118 131	118 125 131	50.0 120 133	50.0 121 133		58.0 133 13.5	59.0 136 142	61.0 140 147	61.0 136 140 147					
	49	45.0 119 CK 16.0	111 CK 122 126 CK	47.0 115 CK 129	115 CK 122 129	48.0 117 130	48.0 117 130		56.0 130 13.5	57.0 133 140	59.0 138 144	59.0 138 144					
	49	43.0 115 CK 16.0	107 CK 119 CK 123 CK	45.0 111 CK 126 CK	111 CK 119 CK 126 CK	46.0 114 CK 120 128 CK	46.0 114 CK 120 128 CK		54.0 127 14.0	55.0 130 137	57.0 135 142	57.0 135 142					
	49	41.0 112 CK 16.0	103 CK 112 CK 120 CK	43.0 108 CK 123 CK	108 CK 115 CK 123 CK	44.0 110 CK 117 CK 125 CK	44.0 110 CK 117 CK 125 CK		52.0 125 14.5	53.0 128 135	55.0 132 140	55.0 132 140					

T/O FROM PSN B

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

ROME Fiumicino 07 T/O FROM PSN B

VMCG VRMIN V2MIN	WET FLAP 15						
	OAT °C	WIND (kt)					
		-10	-5	0	10		
115	-10	67.1	132	68.0	68.0	68.0	
117		F	146	F	F	F	
126	(NA)	12.5	153				
115	-5	66.5	131	68.0	68.0	68.0	
117		F	145	F	F	F	
126	(NA)	12.5	152				
115	0	66.0	131	68.0	68.0	68.0	
117		F	144	F	F	F	
126	(NA)	12.5	151				
115	5	65.4	130	67.6	68.0	68.0	
117		F	144	F	F	F	
126	(NA)	13.0	151				
115	10	65.1	129	67.3	68.0	68.0	
117		F	143	F	F	F	
126	(NA)	13.0	150				
115	15	64.5	128	66.7	132	68.0	
117		F	143	F	145	F	
126	(NA)	13.0	150	12.5	152		
115	20	64.0	127	66.2	131	68.0	
117		F	142	F	145	F	
126	(NA)	13.0	149	12.5	152		
115	25	63.4	126	65.6	130	67.7	68.0
117		F	141	F	144	F	F
126	(NA)	13.0	148	13.0	151		
115	27	63.2	126	65.4	130	67.5	68.0
117		F	141	F	144	F	F
126	(NA)	13.0	148	13.0	151		
115	29	62.9	126	65.1	130	67.2	134
117		F	141	F	143	F	146
126	(NA)	13.0	148	13.0	150	12.5	153
114	31	62.4	125	64.5	129	66.6	133
117		F	140	F	143	F	145
125	(NA)	13.0	147	13.0	150	12.5	152
113	33	61.8	125	63.9	129	66.0	133
116		F	139	F	142	F	145
124	(NA)	13.0	147	13.0	149	12.5	151
112	35	61.3	125	63.3	128	65.3	132
115		F	139	F	141	F	144
124	(NA)	13.0	146	13.0	148	12.5	151
112	37	60.7	124	62.6	128	64.6	132
115		F	138	F	141	F	143
123	(30)	13.0	145	12.5	148	12.5	150
111	39	60.0	123	61.9	127	63.8	131
114		F	137	F	140	F	142
122	(32)	13.0	144	12.5	147	12.5	149
110	41	59.2	123	61.2	127	63.1	130
113		F	137	F	139	F	142
121	(33)	13.0	143	12.5	146	12.5	148
41		59.0	122	61.0	126	63.0	130
			136		139		141
		13.0	143	12.5	146	12.5	148
41		57.0	119	59.0	123	61.0	127
			134		136		139
		13.0	141	13.0	143	12.5	146
41		55.0	115	57.0	119	59.0	123
			131		134		136
		13.5	138	13.0	141	13.0	143
41		53.0	112 CK	55.0	116	57.0	120
			128		131		134
		14.0	135	13.5	138	13.0	141
41		51.0	108 CK	53.0	112 CK	55.0	117
			125		128		131
		14.0	133	14.0	135	13.5	138
41		49.0	104 CK	51.0	109 CK	53.0	113 CK
			122		125		128
		14.5	130	14.0	133	14.0	135
41		47.0	100 CK	49.0	105 CK	51.0	110 CK
			119		122		125
		15.0	127	14.5	130	14.0	133

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	54.7	G	60.9	F	63.3	F
-5	52.0	G	60.4	F	62.7	F
0	49.3	G	59.9	F	62.1	F
5	NO T/O		59.4	F	61.5	F
10	NO T/O		59.2	F	61.3	F
15	NO T/O		54.8	G	60.8	F
20	NO T/O		52.8	G	60.3	F
25	NO T/O		50.4	G	59.9	F
30	NO T/O		48.8	G	59.1	F
-10	56.3	G	63.0	*	63.3	S
-5	53.7	G	62.9	*	63.3	S
0	NO T/O		62.6	F	63.3	S
5	NO T/O		62.0	F	63.3	S
10	NO T/O		58.3	G	63.3	S
15	NO T/O		56.3	G	63.3	S
20	NO T/O		54.4	G	63.1	F
25	NO T/O		52.1	G	62.5	F
30	NO T/O		50.3	G	61.7	F

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 9488 ft (2892 m)					
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	
					°C
W	-10	75.0	75.0	75.0	75.0
I	-5	75.0	75.0	75.0	75.0
N	0	75.0	75.0	75.0	75.0
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					
				-7	71.7
				27	71.7
				29	71.0
				31	70.1
				33	69.2
				35	68.2
				37	67.3
				39	66.3

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW 20	
ENG + AIRF A/I ON	-3000	-2000	0	-2500	-4000
QNH < 1013 (kg/hPa)	-80	-80	-160	-130	-80
QNH > 1013 (kg/hPa)	+30	+30	+30	+30	+30
max Δ hPa :	1				

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

ONE ENGINE OUT PROCEDURE :

- At FE/LOM (DME5 OST), right turn to FN or PRA/L.
- Acceleration altitude: 1500 ft QNH

* = Obstacles

A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 13 ft Length: 10850 ft (3307 m) Slope: +0.01 % Shift: 0 ft (0 m)	Runway 25	Airport ROME Fiumicino LIRF - FCO
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)	06 Jul 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
115 119 128	27 (NA)	69.4 *	69.8 S	69.8 S	69.8 S	-10	70.8 S	71.6 S	72.5	72.5	
115 119 128	29 (NA)	69.2 *	69.7 S	69.7 S	69.7 S	-5	70.8 S	71.5 S	72.5	72.5	
114 118 127	31 (NA)	68.4 *	68.9 S	68.9 S	68.9 S	0	70.8 S	71.5 S	72.5	72.5	
113 118 127	33 (NA)	67.6 *	68.0 S	68.0 S	68.0 S	5	70.7 S	71.5 S	72.5	72.5	
113 117 126	35 (NA)	66.9 * 143 147 13.5 154	67.1 S 143 148 13.5 155	67.1 S 144 148 13.5 155	67.1 S 144 148 13.5 155	10	70.5 * 143 147 13.5 154	71.4 S 143 148 13.5 155	72.5	72.5	
112 116 125	37 (30)	66.0 * 142 146 13.5 153	66.1 S 142 146 13.5 153	66.1 S 143 146 13.5 153	66.1 S 143 146 13.5 153	15	70.2 * 142 146 13.5 153	71.4 S 142 146 13.5 153	72.5	72.5	
111 116 124	39 (32)	65.1 * 141 145 13.5 152	65.2 S 141 145 13.5 152	65.2 S 141 145 13.5 152	65.2 S 142 145 13.5 152	20	69.9 * 141 145 13.5 152	71.4 S 141 145 13.5 152	72.5	72.5	
110 115 123	41 (33)	64.3 S 140 145 13.5 151	64.3 S 140 145 13.5 151	64.3 S 141 145 13.5 151	64.3 S 141 145 13.5 151	25	69.7 * 140 145 13.5 151	71.1 * 140 145 13.5 151	72.4 * 140 145 13.5 151	72.5	
109 114 123	43 (35)	63.4 S 139 144 13.5 150	63.4 S 139 144 13.5 150	63.4 S 140 144 13.5 150	63.4 S 140 144 13.5 150	27	69.5 * 139 144 13.5 150	71.0 * 139 144 13.5 150	72.2 * 139 144 13.5 150	72.5	
109 113 122	45 (37)	62.5 S 138 143 13.5 149	62.5 S 138 143 13.5 149	62.5 S 139 143 13.5 149	62.5 S 139 143 13.5 149	29	69.4 * 138 143 13.5 149	70.8 * 138 143 13.5 149	72.1 * 138 143 13.5 149	72.5	
108 112 121	47 (39)	61.5 S 137 141 13.5 148	61.5 S 137 141 13.5 148	61.5 S 138 141 13.5 148	61.5 S 138 141 13.5 148	31	68.6 * 137 141 13.5 148	70.1 * 137 141 13.5 148	71.3 * 137 141 13.5 148	71.8 S	
107 112 120	49 (41)	60.4 S 136 140 13.5 146	60.4 S 136 140 13.5 146	60.4 S 136 140 13.5 146	60.4 S 137 140 13.5 146	33	67.8 * 136 140 13.5 146	69.3 * 136 140 13.5 146	70.5 * 136 140 13.5 146	70.8 S	
	49	60.0 135 140 13.5 146	60.0 135 140 13.5 146	60.0 136 140 13.5 146	60.0 136 140 13.5 146	35	67.0 * 144 149 13.5 156	68.5 * 144 149 13.5 156	69.8 * 144 149 13.5 156	69.9 S	
	49	58.0 132 137 13.5 143	58.0 132 137 13.5 143	58.0 133 137 13.5 143	58.0 133 137 13.5 143	37	66.2 * 143 148 13.5 155	67.5 S 143 148 13.5 155	68.8 * 143 148 13.5 155	68.9 S	
	49	56.0 129 134 14.0 141	56.0 129 134 14.0 141	56.0 130 134 14.0 141	56.0 130 134 14.0 141	39	65.3 * 142 147 13.5 154	66.5 S 142 147 13.5 154	67.9 S 142 147 13.5 154	67.9 S	
	49	54.0 126 132 14.0 138	54.0 126 132 14.0 138	54.0 127 132 14.0 138	54.0 127 132 14.0 138		65.0 142 146 13.5 153	66.0 145 149 13.5 155	67.0 150 154 13.5 160	67.0 150 154 13.5 160	
	49	52.0 122 129 14.5 135	52.0 123 129 14.5 135	52.0 123 129 14.5 135	52.0 124 129 14.5 135		63.0 139 144 13.5 151	64.0 142 146 13.5 153	65.0 147 151 13.5 158	65.0 147 151 13.5 158	
	49	50.0 119 126 15.0 133	50.0 120 126 15.0 133	50.0 120 126 15.0 133	50.0 121 126 15.0 133		61.0 136 141 14.0 148	62.0 139 144 14.0 150	63.0 144 149 14.0 155	63.0 144 149 14.0 155	
	49	48.0 116 123 15.0 130	48.0 116 123 15.0 130	48.0 117 123 15.0 130	48.0 117 123 15.0 130		59.0 133 139 14.0 146	60.0 136 141 14.0 148	61.0 141 146 14.0 152	61.0 141 146 14.0 152	
	49	46.0 112CK 120 15.5 128CK	46.0 113CK 120 15.5 128CK	46.0 114CK 120 15.5 128CK	46.0 114CK 120 15.5 128CK		57.0 130 136 14.5 143	58.0 133 139 14.5 145	59.0 138 143 14.5 150	59.0 138 143 14.5 150	
	49	44.0 109CK 117CK 16.0 125CK	44.0 109CK 117CK 16.0 125CK	44.0 110CK 117CK 16.0 125CK	44.0 110CK 117CK 16.0 125CK		55.0 126 133 15.0 141	56.0 130 136 15.0 143	57.0 135 140 14.5 147	57.0 135 140 14.5 147	

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

ROME Fiumicino 25

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115 117 126	-10 (NA)	67.3 *	68.0 F	68.0 F	68.0 F	
115 117 126	-5 (NA)	67.1 *	68.0 F	68.0 F	68.0 F	
115 117 126	0 (NA)	66.9 * 132 145 12.5 152	68.0 F	68.0 F	68.0 F	
115 117 126	5 (NA)	66.6 * 132 145 12.5 152	67.9 *	68.0 F	68.0 F	
115 117 126	10 (NA)	66.5 * 131 145 12.5 152	67.8 *	68.0 F	68.0 F	
115 117 126	15 (NA)	66.3 * 131 145 12.5 152	67.5 *	68.0 F	68.0 F	
115 117 126	20 (NA)	66.0 * 130 144 12.5 151	67.3 *	68.0 F	68.0 F	
115 117 126	25 (NA)	65.7 * 130 144 13.0 151	67.1 *	68.0 F	68.0 F	
115 117 126	27 (NA)	65.6 * 130 144 13.0 151	67.0 *	68.0 F	68.0 F	
115 117 126	29 (NA)	65.5 * 130 144 13.0 151	66.8 * 133 145 12.5 152	68.0 F	68.0 F	
114 117 125	31 (NA)	64.8 * 129 143 13.0 150	66.2 * 132 145 12.5 152	67.3 * 134 146 12.5 153	67.5 S	
113 116 124	33 (NA)	64.1 * 129 142 12.5 149	65.5 * 131 144 12.5 151	66.6 * 134 145 12.5 152	66.7 S 134 146 12.5 152	
112 115 124	35 (NA)	63.3 * 128 142 12.5 148	64.7 * 131 143 12.5 150	65.9 S 133 145 12.5 151	65.9 S 133 145 12.5 151	
112 115 123	37 (30)	62.6 * 127 141 12.5 147	63.8 * 130 142 12.5 149	64.9 S 132 144 12.5 150	64.9 S 133 144 12.5 150	
111 114 122	39 (32)	61.9 * 127 140 12.5 147	63.0 * 129 141 12.5 148	64.1 S 131 143 12.5 149	64.1 S 132 143 12.5 149	
110 113 121	41 (33)	61.1 * 126 139 12.5 146	62.3 * 128 141 12.5 147	63.2 S 131 142 12.5 148	63.2 S 131 142 12.5 148	
	41	61.0 126 139 12.5 146	62.0 128 140 12.5 147	63.0 130 141 12.5 148	63.0 130 141 12.5 148	
	41	59.0 122 136 13.0 143	60.0 125 138 13.0 144	61.0 127 139 12.5 146	61.0 127 139 12.5 146	
	41	57.0 119 134 13.0 141	58.0 121 135 13.0 142	59.0 123 136 13.0 143	59.0 124 136 13.0 143	
	41	55.0 115 131 13.5 138	56.0 118 132 13.5 139	57.0 120 134 13.0 141	57.0 120 134 13.0 141	
	41	53.0 112 CK 128 14.0 135	54.0 114 CK 130 13.5 137	55.0 117 131 13.5 138	55.0 117 131 13.5 138	
	41	51.0 108 CK 125 14.0 133	52.0 110 CK 127 14.0 134	53.0 113 CK 128 14.0 135	53.0 113 CK 128 14.0 135	
	41	49.0 104 CK 122 14.5 130	50.0 107 CK 124 14.5 131	51.0 109 CK 125 14.0 133	51.0 110 CK 125 14.0 133	

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	62.8 *	64.6 *	66.1 *	67.0 *	15	
-5	62.5 *	64.2 *	65.8 *	66.7 *		
0	62.0 *	63.8 *	65.5 *	66.4 *		
5	61.6 *	63.4 *	65.1 *	66.1 *		
10	61.5 *	63.3 *	65.0 *	65.9 *		
15	61.1 *	62.9 *	64.6 *	65.6 *		
20	60.7 *	62.5 *	64.3 *	65.3 *		
25	60.3 *	62.2 *	63.9 *	65.0 *		
30	59.7 *	61.5 *	63.2 *	64.3 *		
MAXIMUM LANDING WEIGHT (ton)						
RUNWAY LENGTH LIMITATIONS Runway Length : 10850 ft (3307 m)				CLIMB LIMIT (Go-Around)		
FLAP	40		28		OAT	W
RWY COND	DRY	WET	DRY	WET	°C	(ton)
W -10	75.0	75.0	75.0	75.0	-7	71.7
I -5	75.0	75.0	75.0	75.0	27	71.7
N 0	75.0	75.0	75.0	75.0	29	71.0
D 10	75.0	75.0	75.0	75.0	31	70.1
20	75.0	75.0	75.0	75.0	33	69.2
					35	68.2
					37	67.3
					39	66.3
For QNH corrections, use values relevant to Go-Around						
WEIGHT CORRECTIONS (kg) for :						
CONDITIONS		TAKEOFF			GO AROUND	
		DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON		-3000	-2000	-1300		-4000
QNH < 1013 (kg/hPa)		-80	-80	-60		-80
QNH > 1013 (kg/hPa)		+30	+30	+30		+30
max Δ hPa : 1						
FCO25R01 06070909 06 Jul 2009						
NOTE : MTOW/MLAW (structural) see AOM Vol.2 Chap.1						
ONE ENGINE OUT PROCEDURE :						
- LT to PRA/L or NETUN Fix standard EFP.						

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL	Elev: 13 ft Length: 8153 ft (2485 m) Slope: +0.01 % Shift: 2697 ft (822 m)	Runway 25	Airport ROME Fiumicino LIRF - FCO
	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)	20 Aug 2009

VMCG VRMIN V2MIN	FLAP 11								VMCG VRMIN V2MIN	FLAP 11									
	OAT °C	W I N D (kt)								OAT °C	W I N D (kt)								
		-10	-5	0	10	-10	-5	0			10								
115 119 128	27 (NA)	62.4 * 14.0	135 141 149	64.3 * 14.0	138 144 151	66.1 * 13.5	141 146 153	67.1 * 13.5	-10	65.3 * 13.5	139 144 151	67.2 * 13.5	68.8 * 13.5	69.5 * 13.5					
115 119 128	29 (NA)	62.2 * 14.0	135 141 149	64.1 * 14.0	138 144 151	65.9 * 13.5	141 146 153	66.9 * 13.5	-5	64.8 * 13.5	138 143 151	66.8 * 13.5	142 147 154	68.4 * 13.5	69.2 * 13.5				
114 118 127	31 (NA)	61.6 * 14.0	134 140 148	63.4 * 14.0	137 143 150	65.2 * 13.5	140 145 152	66.2 * 13.5	0	64.4 * 14.0	137 143 150	66.3 * 13.5	141 146 154	68.1 * 13.5	68.9 * 13.5				
113 118 127	33 (NA)	60.9 * 14.0	134 140 147	62.7 * 14.0	137 142 149	64.5 * 13.5	140 144 151	65.5 * 13.5	5	64.0 * 14.0	137 142 150	65.9 * 13.5	141 146 153	67.7 * 13.5	68.5 * 13.5				
113 117 126	35 (NA)	60.2 * 14.0	133 139 146	62.0 * 14.0	136 141 148	63.8 * 13.5	139 144 151	64.7 * 13.5	10	63.6 * 14.0	136 142 149	65.3 * 14.0	140 145 152	67.3 * 14.0	68.2 * 14.0				
112 116 125	37 (30)	59.5 * 14.0	132 138 145	61.2 * 14.0	135 140 147	63.0 * 13.5	138 143 150	63.9 * 13.5	15	63.2 * 14.0	136 141 149	65.0 * 14.0	139 145 152	66.9 * 13.5	67.9 * 14.0				
111 116 124	39 (32)	58.7 * 14.0	131 137 144	60.5 * 14.0	134 140 146	62.2 * 13.5	137 142 149	63.1 * 13.5	20	62.9 * 14.0	135 141 148	64.7 * 14.0	139 144 152	66.6 * 13.5	67.5 * 14.0				
110 115 123	41 (33)	58.0 * 14.0	131 137 143	59.7 * 14.0	134 139 145	61.5 * 13.5	136 141 148	62.3 * 13.5	25	62.6 * 14.0	135 141 148	64.4 * 14.0	139 144 151	66.3 * 13.5	67.2 * 14.0				
109 114 123	43 (35)	57.4 * 14.0	130 136 143	59.0 * 14.0	133 138 145	60.7 * 13.5	136 140 147	61.6 * 13.5	27	62.4 * 14.0	134 140 148	64.3 * 14.0	138 144 151	66.1 * 13.5	67.1 * 14.0				
109 113 122	45 (37)	56.7 * 14.0	129 135 142	58.3 * 14.0	132 137 144	60.0 * 13.5	135 139 146	60.9 * 13.5	29	62.2 * 14.0	134 140 148	64.1 * 14.0	138 144 151	65.9 * 13.5	66.9 * 13.5				
108 112 121	47 (39)	56.0 * 14.0	128 134 141	57.5 * 14.0	131 136 143	59.2 * 13.5	134 138 145	60.0 * 13.5	31	61.6 * 14.0	133 139 147	63.4 * 14.0	137 143 150	65.2 * 13.5	66.2 * 13.5				
107 112 120	49 (41)	55.2 * 14.0	128 133 140	56.7 * 14.0	130 135 142	58.4 * 13.5	133 138 144	59.1 * 13.5	33	60.9 * 14.0	133 139 146	62.7 * 14.0	137 142 149	64.5 * 13.5	65.5 * 13.5				
	49	55.0	127 133 14.0	56.0	129 134 141	58.0	133 137 143	59.0	35	60.2	132 138 145	62.0	136 141 148	63.8	139 144 151	64.7 * 13.5			
	49	53.0	124 130 14.5	54.0	126 132 138	56.0	130 134 141	57.0	37	59.5	131 137 144	61.2	135 140 147	63.0	138 143 150	63.9 * 13.5			
	49	51.0	121 127 14.5	52.0	123 129 135	54.0	127 132 138	55.0	39	58.7	130 136 143	60.5	134 140 146	62.2	137 142 149	63.1 * 13.5			
	49	49.0	117 125 15.0	50.0	120 126 133	52.0	123 129 135	53.0		58.0	129 135 142	60.0	134 139 146	62.0	137 141 148	63.0 138 143			
	49	47.0	114 CK 122 15.5	48.0	116 123 130	50.0	120 126 133	51.0		56.0	126 133 140	58.0	131 136 143	60.0	134 139 146	61.0 140 147			
	49	45.0	111 CK 119 CK 16.0	46.0	113 CK 120 128 CK	48.0	117 123 130	49.0		54.0	123 130 137	56.0	127 134 141	58.0	131 136 143	59.0 133 138 144			
	49	43.0	107 CK 115 CK 16.0	44.0	109 CK 117 CK 125 CK	46.0	114 CK 120 128 CK	47.0		52.0	120 127 134	54.0	124 131 138	56.0	128 134 141	57.0 130 135 142			
	49	41.0	103 CK 112 CK 16.0	42.0	106 CK 114 CK 122 CK	44.0	110 CK 117 CK 125 CK	45.0		50.0	116 124 132	52.0	121 128 135	54.0	125 131 138	55.0 127 132 140			
	49		40.0	102 CK 111 CK 16.0	42.0	107 CK 114 CK 122 CK	43.0	109 CK 115 CK 123 CK		48.0	115 121 129	50.0	118 125 133	52.0	122 128 135	53.0 123 129 137			

T/O FROM PSN A

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

ROME Fiumicino 25 T/O FROM PSN A

VMCG VRMIN V2MIN	WET FLAP 15						
	OAT °C	WIND (kt)					
		-10	-5	0	10		
115 117 126	-10 (NA)	61.8 124 * 139 13.0 147	63.4 127 * 141 13.0 148	64.9 130 * 143 13.0 150	65.8 132 * 144 12.5 151		
115 117 126	-5 (NA)	61.5 123 * 139 13.0 146	63.1 127 * 141 13.0 148	64.6 130 * 143 13.0 150	65.5 131 * 144 13.0 151		
115 117 126	0 (NA)	61.2 123 * 138 13.0 146	62.9 126 * 140 13.0 148	64.3 129 * 142 13.0 149	65.2 131 * 143 13.0 151		
115 117 126	5 (NA)	60.8 122 * 138 13.5 145	62.6 126 * 140 13.0 147	64.0 129 * 142 13.0 149	65.0 131 * 143 13.0 150		
115 117 126	10 (NA)	60.6 122 * 138 13.5 145	62.4 125 * 140 13.0 147	63.8 128 * 142 13.0 149	64.8 130 * 143 13.0 150		
115 117 126	15 (NA)	60.3 121 * 137 13.5 145	62.0 125 * 139 13.0 147	63.5 128 * 141 13.0 149	64.5 130 * 143 13.0 150		
115 117 126	20 (NA)	59.9 121 * 137 13.5 144	61.7 124 * 139 13.0 146	63.2 127 * 141 13.0 148	64.2 129 * 142 13.0 149		
115 117 126	25 (NA)	59.6 120 * 136 13.5 144	61.3 124 * 139 13.0 146	62.9 127 * 141 13.0 148	63.9 129 * 142 13.0 149		
115 117 126	27 (NA)	59.4 120 * 136 13.5 144	61.2 123 * 138 13.0 146	62.8 127 * 140 13.0 148	63.8 129 * 142 13.0 149		
115 117 126	29 (NA)	59.2 119 * 136 13.5 143	61.0 123 * 138 13.5 146	62.6 127 * 140 13.0 148	63.6 128 * 141 13.0 149		
114 117 125	31 (NA)	58.6 119 * 135 13.5 143	60.4 123 * 138 13.0 145	62.0 126 * 140 13.0 147	63.0 128 * 141 13.0 148		
113 116 124	33 (NA)	58.1 119 * 135 13.5 142	59.8 122 * 137 13.0 144	61.4 126 * 139 13.0 146	62.3 127 * 140 13.0 147		
112 115 124	35 (NA)	57.5 118 * 134 13.5 141	59.2 122 * 136 13.0 143	60.8 125 * 138 13.0 145	61.7 127 * 139 13.0 146		
112 115 123	37 (30)	56.8 117 * 133 13.5 140	58.5 121 * 135 13.0 143	60.1 124 * 137 13.0 144	60.9 126 * 139 13.0 146		
	37	56.0 116 132 13.5 139	58.0 120 135 13.5 142	60.0 124 137 13.0 144	60.0 124 137 13.0 144		
	37	54.0 112 CK 129 14.0 137	56.0 117 132 13.5 139	58.0 121 135 13.5 142	58.0 121 135 13.5 142		
	37	52.0 109 CK 126 14.0 134	54.0 113 CK 129 14.0 137	56.0 117 132 13.5 139	56.0 118 132 13.5 139		
	37	50.0 105 CK 124 14.5 131	52.0 109 CK 126 14.0 134	54.0 114 CK 129 14.0 137	54.0 114 CK 129 14.0 137		
	37	48.0 101 CK 121 15.0 129	50.0 106 CK 124 14.5 131	52.0 110 CK 126 14.0 134	52.0 111 CK 126 14.0 134		
	37	46.0 97 CK 117 15.5 126 CK	48.0 102 CK 121 15.0 129	50.0 107 CK 124 14.5 131	50.0 107 CK 124 14.5 131		
	37	44.0 93 CK 114 CK 15.5 123 CK	46.0 98 CK 117 15.5 126 CK	48.0 103 CK 121 15.0 129	48.0 103 CK 121 15.0 129		
	37	42.0 89 CK 111 CK 15.5 120 CK	44.0 94 CK 114 CK 15.5 123 CK	46.0 99 CK 117 15.5 126 CK	46.0 100 CK 117 15.5 126 CK		
	37	40.0 85 CK 108 CK 15.5 117 CK	42.0 90 CK 111 CK 15.5 120 CK	44.0 95 CK 114 CK 15.5 123 CK	44.0 95 CK 114 CK 15.5 123 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				15							
-10		50.5 G		58.3 *		60.3 *		61.4 *											
-5		48.1 G		57.9 *		59.9 *		61.0 *											
0		NO T/O		57.3 G		59.5 *		60.6 *											
5		NO T/O		54.9 G		59.1 *		60.2 *											
10		NO T/O		52.7 G		58.9 *		60.0 *											
15		NO T/O		50.6 G		58.5 *		59.6 *											
20		NO T/O		48.7 G		58.1 *		59.2 *											
25		NO T/O		NO T/O		57.7 *		58.9 *											
30		NO T/O		NO T/O		57.0 *		58.2 *											
-10		51.2 G		58.6 *		60.5 *		61.4 *											
-5		NO T/O		58.2 *		60.1 *		61.1 *											
0		NO T/O		57.8 *		59.7 *		60.8 *											
5		NO T/O		55.5 G		59.4 *		60.4 *											
10		NO T/O		53.3 G		59.2 *		60.3 *											
15		NO T/O		51.3 G		58.9 *		59.9 *											
20		NO T/O		NO T/O		58.5 *		59.6 *											
25		NO T/O		NO T/O		58.2 *		59.3 *											
30		NO T/O		NO T/O		57.5 *		58.6 *											
MAXIMUM LANDING WEIGHT (ton)																			
RUNWAY LENGTH LIMITATIONS Runway Length : 10850 ft (3307 m)										CLIMB LIMIT (Go-Around)									
FLAP		40				28				OAT		W							
RWY COND		DRY		WET		DRY		WET		°C		(ton)							
W -10		75.0		75.0		75.0		75.0		-7		71.7							
I -5		75.0		75.0		75.0		75.0		27		71.7							
N 0		75.0		75.0		75.0		75.0		29		71.0							
D 10		75.0		75.0		75.0		75.0		31		70.1							
20		75.0		75.0		75.0		75.0		33		69.2							
		75.0		75.0		75.0		75.0		35		68.2							
										37		67.3							
										39		66.3							
For QNH corrections, use values relevant to Go-Around																			
WEIGHT CORRECTIONS (kg) for :																			
CONDITIONS				DRY		WET		SSW 15		SSW 17		GO AROUND							
ENG + AIRF A/I ON				-3000		-1400		-700		-1000		-4000							
QNH < 1013 (kg/hPa)				-80		-80		-100		-100		-80							
QNH > 1013 (kg/hPa)				+30		+30		+30		+30		+30							
max Δ hPa : 1																			
FCO25T01				20080909				20 Aug 2009											
NOTE : MTOW/MLAW (structural) see AOM Vol.2 Chap.1																			
ONE ENGINE OUT PROCEDURE :																			
- LT to PRA/L or NETUN Fix standard EFP.																			

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 13 ft Length: 11818 ft (3602 m) Slope: -0.06 % Shift: 0 ft (0 m)	Runway 16C	Airport ROME Fiumicino LIRF - FCO
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)		06 Jul 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
115 119 128	27 (NA)	69.8 S	69.8 S	69.8 S	69.8 S	20	72.5	72.5	72.5	72.5	
115 119 128	29 (NA)	69.7 S	69.7 S	69.7 S	69.7 S	25	72.3 *	72.5	72.5	72.5	
114 118 127	31 (NA)	68.9 S	68.9 S	68.9 S	68.9 S	27	72.2 *	72.5	72.5	72.5	
113 118 127	33 (NA)	68.0 S	68.0 S	68.0 S	68.0 S	29	72.1 *	72.5	72.5	72.5	
113 117 126	35 (NA)	67.1 S 13.5 155	67.1 S 148 155	67.1 S 148 155	67.1 S 148 155	31	71.3 *	71.8 S	71.8 S	71.8 S	
112 116 125	37 (30)	66.1 S 13.5 153	66.1 S 146 153	66.1 S 146 153	66.1 S 146 153	33	70.5 *	70.8 S	70.8 S	70.8 S	
111 116 124	39 (32)	65.2 S 13.5 152	65.2 S 145 152	65.2 S 145 152	65.2 S 145 152	35	69.7 *	69.9 S	69.9 S	69.9 S	
110 115 123	41 (33)	64.3 S 13.5 151	64.3 S 144 151	64.3 S 144 151	64.3 S 144 151	37	68.8 *	68.9 S	68.9 S	68.9 S	
109 114 123	43 (35)	63.4 S 13.5 150	63.4 S 144 150	63.4 S 144 150	63.4 S 144 150	39	67.8 *	67.9 S	67.9 S	67.9 S	
109 113 122	45 (37)	62.5 S 13.5 149	62.5 S 138 149	62.5 S 138 149	62.5 S 138 149		67.0 149 154 13.5 160	67.0 149 154 13.5 160	67.0 150 154 13.5 160	67.0 150 154 13.5 160	
108 112 121	47 (39)	61.5 S 13.5 148	61.5 S 141 148	61.5 S 141 148	61.5 S 141 148		65.0 146 151 13.5 158	65.0 146 151 13.5 158	65.0 147 151 13.5 158	65.0 147 151 13.5 158	
107 112 120	49 (41)	60.4 S 13.5 146	60.4 S 140 146	60.4 S 140 146	60.4 S 140 146		63.0 143 149 14.0 155	63.0 143 149 14.0 155	63.0 144 149 14.0 155	63.0 144 149 14.0 155	
	49	60.0 135 140 13.5 146	60.0 135 140 13.5 146	60.0 136 140 13.5 146	60.0 136 140 13.5 146		61.0 140 146 14.0 152	61.0 140 146 14.0 152	61.0 141 146 14.0 152	61.0 141 146 14.0 152	
	49	58.0 132 137 13.5 143	58.0 132 137 13.5 143	58.0 133 137 13.5 143	58.0 133 137 13.5 143		59.0 137 143 14.5 150	59.0 137 143 14.5 150	59.0 138 143 14.5 150	59.0 138 143 14.5 150	
	49	56.0 129 134 14.0 141	56.0 129 134 14.0 141	56.0 130 134 14.0 141	56.0 130 134 14.0 141		57.0 134 140 14.5 147	57.0 134 140 14.5 147	57.0 134 140 14.5 147	57.0 135 140 14.5 147	
	49	54.0 126 132 14.0 138	54.0 126 132 14.0 138	54.0 126 132 14.0 138	54.0 127 132 14.0 138		55.0 130 138 15.0 145	55.0 131 138 15.0 145	55.0 131 138 15.0 145	55.0 132 138 15.0 145	
	49	52.0 122 129 14.5 135	52.0 123 129 14.5 135	52.0 123 129 14.5 135	52.0 124 129 14.5 135		53.0 127 135 15.0 142	53.0 128 135 15.0 142	53.0 128 135 15.0 142	53.0 128 135 15.0 142	
	49	50.0 119 126 15.0 133	50.0 120 126 15.0 133	50.0 120 126 15.0 133	50.0 120 126 15.0 133		51.0 124 132 15.5 139	51.0 124 132 15.5 139	51.0 125 132 15.5 139	51.0 125 132 15.5 139	
	49	48.0 116 123 15.0 130	48.0 116 123 15.0 130	48.0 117 123 15.0 130	48.0 117 123 15.0 130		49.0 120 129 16.0 136	49.0 121 129 16.0 136	49.0 121 129 16.0 136	49.0 122 129 16.0 136	
	49	46.0 112CK 120 15.5 128CK	46.0 113CK 120 15.5 128CK	46.0 113CK 120 15.5 128CK	46.0 114CK 120 15.5 128CK		47.0 117 125 16.0 133	47.0 117 125 16.0 133	47.0 118 125 16.0 133	47.0 118 125 16.0 133	
	49	44.0 109CK 117CK 16.0 125CK	44.0 109CK 117CK 16.0 125CK	44.0 110CK 117CK 16.0 125CK	44.0 110CK 117CK 16.0 125CK		45.0 115 122 16.0 131	45.0 115 122 16.0 131	45.0 115 122 16.0 131	45.0 115 122 16.0 131	

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

ROME Fiumicino 16C

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115 117 126	-10 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	-5 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	0 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	5 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	10 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	15 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	20 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	25 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	27 (NA)	67.9 *	68.0 F	68.0 F	68.0 F	
115 117 126	29 (NA)	67.8 *	68.0 F	68.0 F	68.0 F	
114 117 125	31 (NA)	67.1 * 133 146 12.5 153	67.5 S	67.5 S	67.5 S	
113 116 124	33 (NA)	66.4 * 132 145 12.5 152	66.7 S 133 145 12.5 152	66.7 S 134 145 12.5 152	66.7 S 145 152	
112 115 124	35 (NA)	65.7 * 131 144 12.5 151	65.9 S 132 145 12.5 151	65.9 S 133 145 12.5 151	65.9 S 133 145 12.5 151	
112 115 123	37 (30)	64.8 * 131 143 12.5 150	64.9 S 131 144 12.5 150	64.9 S 132 144 12.5 150	64.9 S 132 144 12.5 150	
111 114 122	39 (32)	63.9 * 130 142 12.5 149	64.1 S 131 143 12.5 149	64.1 S 131 143 12.5 149	64.1 S 131 143 12.5 149	
110 113 121	41 (33)	63.1 * 129 142 12.5 148	63.2 S 130 142 12.5 148	63.2 S 130 142 12.5 148	63.2 S 131 142 12.5 148	
	41	63.0 129 141 12.5 148	63.0 129 141 12.5 148	63.0 130 141 12.5 148	63.0 130 141 12.5 148	
	41	61.0 125 139 12.5 146	61.0 126 139 12.5 146	61.0 127 139 12.5 146	61.0 127 139 12.5 146	
	41	59.0 122 136 13.0 143	59.0 123 136 13.0 143	59.0 123 136 13.0 143	59.0 124 136 13.0 143	
	41	57.0 118 134 13.0 141	57.0 119 134 13.0 141	57.0 120 134 13.0 141	57.0 120 134 13.0 141	
	41	55.0 115 131 13.5 138	55.0 116 131 13.5 138	55.0 116 131 13.5 138	55.0 117 131 13.5 138	
	41	53.0 111 CK 128 14.0 135	53.0 112 CK 128 14.0 135	53.0 113 CK 128 14.0 135	53.0 113 CK 128 14.0 135	
	41	51.0 108 CK 125 14.0 133	51.0 108 CK 125 14.0 133	51.0 109 CK 125 14.0 133	51.0 110 CK 125 14.0 133	

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	66.0 *	67.3 *	68.0 F	68.0 F	15
-5	65.7 *	67.1 *	68.0 F	68.0 F	
0	65.4 *	66.8 *	68.0 F	68.0 F	
5	65.2 *	66.6 *	67.9 *	68.0 F	
10	65.1 *	66.5 *	67.8 *	68.0 F	
15	64.8 *	66.2 *	67.5 *	68.0 F	
20	64.5 *	65.9 *	67.3 *	68.0 F	
25	64.2 *	65.7 *	67.1 *	67.8 *	
30	63.5 *	65.0 *	66.5 *	67.2 *	

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 9849 ft (3002 m)				CLIMB LIMIT (Go-Around)	
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	OAT °C W (ton)
W	-10	75.0 75.0	75.0 75.0		-7 71.7
I	-5	75.0 75.0	75.0 75.0		27 71.7
N	0	75.0 75.0	75.0 75.0		29 71.0
D	10	75.0 75.0	75.0 75.0		31 70.1
	20	75.0 75.0	75.0 75.0		33 69.2
					35 68.2
					37 67.3
					39 66.3
For QNH corrections, use values relevant to Go-Around					

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON	-3000	-2000	-2100		-4000
QNH < 1013 (kg/hPa)	-80	-80	-60		-80
QNH > 1013 (kg/hPa)	+30	+30	+30		+30
max Δ hPa :	1				

FCO16CR01 06070918 06 Jul 2009

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

ONE ENGINE OUT PROCEDURE :

- PRA/L standard EFP or
- At DME6 OST right turn on heading 186 to intercept and follow R160 OST to Missed Approach Holding.
Acceleration altitude: 1500 ft QNH

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 13 ft Length: 9268 ft (2825 m) Slope: -0.06 % Shift: 2549 ft (776 m)	Runway 16C	Airport ROME Fiumicino LIRF - FCO
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)		06 Jul 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	
115 119 128	27 (NA)	67.7 F	69.1 *	69.8 S	69.8 S	-10	-10	69.5 *	70.8 S	71.6 S	71.6 S	
115 119 128	29 (NA)	67.5 F	68.9 *	69.7 S	69.7 S		-5	69.3 *	70.7 *	71.5 S	71.5 S	
114 118 127	31 (NA)	66.8 F 13.5 154	68.1 * 142 147	68.9 S 143 148	68.9 S 144 148		0	69.0 *	70.5 *	71.5 S	71.5 S	
113 118 127	33 (NA)	66.1 * 13.5 153	67.3 * 141 146 143 153	68.0 S 146 148 155	68.0 S 147 148 155		5	68.8 *	70.3 *	71.5 S	71.5 S	
113 117 126	35 (NA)	65.3 * 13.5 152	66.5 * 140 145 142 154	67.1 S 143 148 155	67.1 S 144 148 155		10	68.5 *	70.1 *	71.4 S	71.4 S	
112 116 125	37 (30)	64.4 * 13.5 151	65.6 * 139 144 141 153	66.1 S 142 146 153	66.1 S 143 146 153		15	68.3 *	69.9 *	71.3 *	71.4 S	
111 116 124	39 (32)	63.6 * 13.5 150	64.8 * 138 143 141 152	65.2 S 141 145 152	65.2 S 142 145 152		20	68.1 *	69.7 *	71.1 *	71.4 S	
110 115 123	41 (33)	62.8 * 13.5 149	63.9 * 137 143 140 151	64.3 S 140 144 151	64.3 S 141 144 151		25	67.9 *	69.5 *	70.9 *	71.3 S	
109 114 123	43 (35)	62.0 * 13.5 148	63.1 * 137 142 139 150	63.4 S 139 144 150	63.4 S 140 144 150		27	67.7 F	69.4 *	70.8 *	71.3 S	
109 113 122	45 (37)	61.2 * 13.5 147	62.3 * 136 141 138 149	62.5 S 138 142 149	62.5 S 139 142 149		29	67.5 F	69.2 *	70.7 *	71.2 S	
108 112 121	47 (39)	60.3 * 13.5 146	61.4 * 135 140 137 148	61.5 S 137 141 148	61.5 S 138 141 148		31	66.8 F 13.5 154	68.4 *	69.9 *	70.3 S	
107 112 120	49 (41)	59.4 * 13.5 145	60.4 S 134 139 136 145	60.4 S 136 140 146	60.4 S 137 140 146		33	66.1 * 13.5 153	67.6 *	69.1 *	69.4 S	
	49	59.0 138 13.5 145	60.0 135 140 13.5 146	60.0 136 140 13.5 146	60.0 136 140 13.5 146		35	65.3 * 13.5 152	66.8 * 144 148 13.5 155	68.2 *	68.5 S	
	49	57.0 136 14.0 142	58.0 132 137 13.5 143	58.0 133 137 13.5 143	58.0 133 137 13.5 143		37	64.4 * 13.5 151	65.9 * 143 147 13.5 154	67.3 * 147 150 13.5 157	67.5 147 S 151 13.5 157	
	49	55.0 133 14.0 140	56.0 129 134 14.0 141	56.0 130 134 14.0 141	56.0 130 134 14.0 141		39	63.6 * 13.5 150	65.1 * 142 146 13.5 153	66.5 * 146 150 13.5 156	66.5 146 S 150 13.5 156	
	49	53.0 130 14.5 137	54.0 126 132 14.0 138	54.0 126 132 14.0 138	54.0 127 132 14.0 138			63.0 138 143 13.5 149	65.0 142 146 13.5 153	66.0 145 149 13.5 155	66.0 145 149 13.5 155	
	49	51.0 121 14.5 134	52.0 123 129 14.5 135	52.0 123 129 14.5 135	52.0 124 129 14.5 135			61.0 135 140 14.0 147	63.0 139 144 13.5 151	64.0 142 146 13.5 153	64.0 142 146 13.5 153	
	49	49.0 117 15.0 131	50.0 120 126 15.0 133	50.0 120 126 15.0 133	50.0 120 126 15.0 133			59.0 132 138 14.0 145	61.0 136 141 14.0 148	62.0 139 144 14.0 150	62.0 139 144 14.0 150	
	49	47.0 114 CK 122 15.5 129	48.0 116 123 15.0 130	48.0 117 123 15.0 130	48.0 117 123 15.0 130			57.0 128 135 14.5 142	59.0 133 139 14.0 146	60.0 136 141 14.0 148	60.0 136 141 14.0 148	
	49	45.0 110 CK 119 CK 16.0 126 CK	46.0 113 CK 120 15.5 128 CK	46.0 113 CK 120 15.5 128 CK	46.0 114 CK 120 15.5 128 CK			55.0 125 132 14.5 140	57.0 130 136 14.5 143	58.0 133 139 14.5 145	58.0 133 139 14.5 145	
	49	43.0 107 CK 115 CK 16.0 123 CK	44.0 109 CK 117 CK 16.0 125 CK	44.0 110 CK 117 CK 16.0 125 CK	44.0 110 CK 117 CK 16.0 125 CK			53.0 122 129 15.0 137	55.0 127 133 15.0 141	56.0 130 136 15.0 143	56.0 130 136 15.0 143	

T/O FROM PSN A

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

ROME Fiumicino 16C T/O FROM PSN A

VMCG VRMIN V2MIN	WET FLAP 15						
	OAT °C	WIND (kt)					
		-10	-5		0	10	
115 117 126	-10 (NA)	66.0 * 12.5	130 144 151	67.2 * 151	68.0 F 151	68.0 F 151	
115 117 126	-5 (NA)	65.8 * 12.5	130 144 151	67.0 * 151	68.0 F 151	68.0 F 151	
115 117 126	0 (NA)	65.6 * 13.0	130 144 151	66.8 * 12.5	132 145 152	67.9 * F	68.0 F
115 117 126	5 (NA)	65.3 * 13.0	129 143 151	66.6 * 12.5	132 145 152	67.7 * F	68.0 F
115 117 126	10 (NA)	65.2 * 13.0	129 143 151	66.5 * 12.5	131 145 152	67.6 * F	68.0 F
115 117 126	15 (NA)	65.0 * 13.0	129 143 150	66.3 * 12.5	131 145 152	67.4 * F	68.0 F
115 117 126	20 (NA)	64.8 * 13.0	128 143 150	66.1 * 12.5	131 144 152	67.2 * F	67.9 F
115 117 126	25 (NA)	64.5 * 13.0	128 143 150	65.9 * 12.5	131 144 151	67.0 * F	67.7 F
115 117 126	27 (NA)	64.4 * 13.0	128 142 150	65.8 * 12.5	131 144 151	67.0 * F	67.7 F
115 117 126	29 (NA)	64.2 * 13.0	128 142 149	65.6 * 12.5	130 144 151	66.8 * 12.5	133 145 152
114 117 125	31 (NA)	63.6 * 13.0	127 142 149	64.9 * 12.5	130 143 150	66.1 * 12.5	132 145 152
113 116 124	33 (NA)	62.9 * 13.0	127 141 148	64.2 * 12.5	129 142 149	65.4 * 12.5	132 144 151
112 115 124	35 (NA)	62.2 * 13.0	126 140 147	63.4 * 12.5	129 142 148	64.6 * 12.5	131 143 151
112 115 123	37 (30)	61.5 * 13.0	125 139 146	62.7 * 12.5	128 141 148	63.8 * 12.5	130 142 150
111 114 122	39 (32)	60.7 * 13.0	125 138 145	61.9 * 12.5	127 140 147	63.0 * 12.5	129 141 149
110 113 121	41 (33)	60.0 * 13.0	124 138 144	61.2 * 12.5	126 139 146	62.2 * 12.5	129 140 148
	41	58.0 135 13.0	120 135 142	61.0 139 12.5	126 139 146	62.0 140 12.5	129 140 147
	41	56.0 132 13.5	117 132 139	59.0 123 13.0	125 136 143	60.0 138 13.0	125 138 144
	41	54.0 130 13.5	113CK 137	57.0 119 13.0	122 134 141	58.0 122 13.0	122 135 142
	41	52.0 127 14.0	109CK 134	55.0 116 13.5	118 131 138	56.0 118 13.5	118 132 139
	41	50.0 124 14.5	106CK 131	53.0 112CK 14.0	125 128 135	54.0 115CK 13.5	115 130 137
	41	48.0 121 14.5	102CK 129	51.0 108CK 14.0	125 125 133	52.0 111CK 14.0	111CK 127 134
	41	46.0 118 15.0	98CK 126CK	49.0 105CK 14.5	122 122 130	50.0 107CK 14.5	108CK 124 131

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	15	
-10	61.4 F	63.6 *	65.2 *	66.1 *		
-5	60.8 F	63.0 F	64.9 *	65.8 *		
0	58.1 G	62.4 F	64.6 *	65.5 *		
5	55.7 G	61.8 F	64.2 F	65.2 *		
10	53.5 G	61.6 F	64.0 F	65.1 *		
15	51.6 G	61.1 F	63.4 F	64.8 F		
20	49.5 G	60.6 F	62.8 F	64.2 F		
25	NO T/O	60.1 F	62.3 F	63.6 F		
30	NO T/O	59.4 F	61.5 F	62.8 F		

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 9849 ft (3002 m)				CLIMB LIMIT (Go-Around)	
FLAP	40		28		OAT
RWY COND	DRY	WET	DRY	WET	°C
W	-10	75.0	75.0	75.0	75.0
I	-5	75.0	75.0	75.0	75.0
N	0	75.0	75.0	75.0	75.0
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					
					-7
					27
					29
					31
					33
					35
					37
					39

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON	-3000	-2000	-1500		-4000
QNH < 1013 (kg/hPa)	-80	-80	-100		-80
QNH > 1013 (kg/hPa)	+30	+30	+30		+30
max Δ hPa :	1				

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

ONE ENGINE OUT PROCEDURE :

- PRA/L standard EFP or
- At DME6 OST right turn on heading 186 to intercept and follow R160 OST to Missed Approach Holding.
Acceleration altitude: 1500 ft QNH

* = Obstacles A = TOW limited by acceleration

T/O FROM PSN B

T/O FROM PSN B

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

ROME Fiumicino 16C T/O FROM PSN B

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115	-10	NO T/O	63.8 127	65.1 130	65.9 132	
117			* 141	* 143	* 144	
126	(NA)		13.0 149	13.0 150	12.5 151	
115	-5	NO T/O	63.5 127	64.9 130	65.7 131	
117			* 141	* 143	* 144	
126	(NA)		13.0 149	13.0 150	12.5 151	
115	0	NO T/O	63.3 127	64.7 130	65.5 131	
117			* 141	* 143	* 144	
126	(NA)		13.0 148	13.0 150	13.0 151	
115	5	NO T/O	62.9 126	64.4 129	65.3 131	
117			F 140	* 142	* 143	
126	(NA)		13.0 148	13.0 150	13.0 151	
115	10	NO T/O	62.7 125	64.3 129	65.2 130	
117			F 140	* 142	* 143	
126	(NA)		13.0 148	13.0 150	13.0 151	
115	15	NO T/O	62.1 125	64.1 128	64.9 130	
117			F 140	* 142	* 143	
126	(NA)		13.0 147	13.0 149	13.0 150	
115	20	NO T/O	61.6 124	63.6 128	64.7 130	
117			F 139	F 141	* 143	
126	(NA)		13.0 146	13.0 149	13.0 150	
115	25	NO T/O	61.1 123	63.1 127	64.5 129	
117			F 138	F 141	F 143	
126	(NA)		13.0 146	13.0 148	13.0 150	
115	27	NO T/O	60.9 123	62.9 127	64.2 129	
117			F 138	F 141	F 142	
126	(NA)		13.5 146	13.0 148	13.0 149	
115	29	NO T/O	60.7 122	62.6 126	63.9 129	
117			F 138	F 140	F 142	
126	(NA)		13.5 145	13.0 147	13.0 149	
114	31	NO T/O	60.2 122	62.1 126	63.4 128	
117			F 137	F 140	F 141	
125	(NA)		13.5 145	13.0 147	13.0 148	
113	33	NO T/O	59.6 122	61.5 126	62.8 128	
116			F 137	F 139	F 141	
124	(NA)		13.0 144	13.0 146	13.0 148	
112	35	NO T/O	59.0 121	60.9 125	62.2 127	
115			F 136	F 138	* 140	
124	(NA)		13.0 143	13.0 146	13.0 147	
112	37	NO T/O	58.4 121	60.3 125	61.4 127	
115			F 135	F 138	* 139	
123	(30)		13.0 142	13.0 145	13.0 146	
111	39	NO T/O	57.8 120	59.6 124	60.7 126	
114			F 135	F 137	* 138	
122	(32)		13.0 142	13.0 144	13.0 145	
110	41	NO T/O	57.1 119	58.9 123	59.9 125	
113			F 134	F 136	* 138	
121	(33)		13.0 141	13.0 143	13.0 144	
	41		57.0 119	58.0 122	59.0 124	
			13.0 134	13.0 135	13.0 136	
			13.0 141	13.0 142	13.0 143	
	41		55.0 116	56.0 118	57.0 120	
			13.0 131	13.0 132	13.0 134	
			13.5 138	13.5 139	13.0 141	
	41		53.0 112 CK	54.0 115 CK	55.0 117	
			14.0 128	13.0 130	13.0 131	
			14.0 135	13.5 137	13.5 138	
	41		51.0 108 CK	52.0 111 CK	53.0 113 CK	
			14.0 125	14.0 127	14.0 128	
			14.0 133	14.0 134	14.0 135	
	41		49.0 105 CK	50.0 107 CK	51.0 110 CK	
			14.5 122	14.5 124	14.5 125	
			14.5 130	14.5 131	14.0 133	
	41		47.0 101 CK	48.0 104 CK	49.0 106 CK	
			15.0 119	14.5 121	14.5 122	
			15.0 127	14.5 129	14.5 130	
	41		45.0 97 CK	46.0 100 CK	47.0 102 CK	
			15.0 116 CK	15.0 118	15.0 119	
			15.0 124 CK	15.0 126 CK	15.0 127	

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	51.1 G	59.4 F	60.6 F	15
-5	NO T/O	48.6 G	58.9 F	60.1 F	
0	NO T/O	NO T/O	58.3 F	59.6 F	
5	NO T/O	NO T/O	57.8 F	59.1 F	
10	NO T/O	NO T/O	55.4 G	58.9 F	
15	NO T/O	NO T/O	53.5 G	58.4 F	
20	NO T/O	NO T/O	51.4 G	57.8 F	
25	NO T/O	NO T/O	49.2 G	57.4 F	20
30	NO T/O	NO T/O	47.8 G	54.4 G	
-10	NO T/O	52.9 G	60.5 *	61.2 *	
-5	NO T/O	NO T/O	60.3 *	61.0 *	
0	NO T/O	NO T/O	60.1 *	60.8 *	
5	NO T/O	NO T/O	59.3 G	60.6 *	
10	NO T/O	NO T/O	57.0 G	60.5 *	
15	NO T/O	NO T/O	55.1 G	60.3 *	
20	NO T/O	NO T/O	53.1 G	60.1 *	
25	NO T/O	NO T/O	NO T/O	59.9 *	
30	NO T/O	NO T/O	NO T/O	55.9 G	

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 9849 ft (3002 m)				CLIMB LIMIT (Go-Around)	
FLAP	40		28		OAT
RWY COND	DRY	WET	DRY	WET	°C
W	-10	75.0	75.0	75.0	75.0
I	-5	75.0	75.0	75.0	75.0
N	0	75.0	75.0	75.0	75.0
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					
					-7
					27
					29
					31
					33
					35
					37
					39
					71.7
					71.7
					71.0
					70.1
					69.2
					68.2
					67.3
					66.3

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW 20	
ENG + AIRF A/I ON	-3000	-1600	0	-2300	-4000
QNH < 1013 (kg/hPa)	-80	-80	-100	-160	-80
QNH > 1013 (kg/hPa)	+30	+30	+30	+30	+30
max Δ hPa :	1				

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

ONE ENGINE OUT PROCEDURE :

- PRA/L standard EFP or
- At DME6 OST right turn on heading 186 to intercept and follow R160 OST to Missed Approach Holding.
Acceleration altitude: 1500 ft QNH

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 13 ft Length: 9849 ft (3002 m) Slope: +0.04 % Shift: 0 ft (0 m)	Runway 34C	Airport ROME Fiumicino LIRF - FCO
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)	16 Sep 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
115 119 128	27 (NA)	69.1 *	69.8 S	69.8 S	69.8 S	-10	70.8 S	71.6 S	72.3 S	72.3 S	
115 119 128	29 (NA)	69.0 *	69.7 S	69.7 S	69.7 S	-5	70.7 *	71.5 S	72.3 S	72.3 S	
114 118 127	31 (NA)	68.1 *	68.9 S	68.9 S	68.9 S	0	70.5 *	71.5 S	72.2 S	72.2 S	
113 118 127	33 (NA)	67.3 * 143 148 155	68.0 S	68.0 S	68.0 S	5	70.3 *	71.5 S	72.2 S	72.2 S	
113 117 126	35 (NA)	66.5 * 142 147 154	67.1 S 143 148 155	67.1 S 144 148 155	67.1 S 144 148 155	10	70.1 *	71.4 S	72.2 S	72.2 S	
112 116 125	37 (30)	65.6 * 141 146 153	66.1 S 142 146 153	66.1 S 143 146 153	66.1 S 143 146 153	15	69.9 *	71.3 *	72.1 S	72.1 S	
111 116 124	39 (32)	64.8 * 140 145 152	65.2 S 141 145 152	65.2 S 142 145 152	65.2 S 142 145 152	20	69.7 *	71.1 *	72.1 S	72.1 S	
110 115 123	41 (33)	63.9 * 140 144 151	64.3 S 140 145 151	64.3 S 141 145 151	64.3 S 141 145 151	25	69.5 F	70.9 *	72.1 S	72.1 S	
109 114 123	43 (35)	63.1 * 139 143 150	63.4 S 139 144 150	63.4 S 140 144 150	63.4 S 140 144 150	27	69.3 F	70.8 F	72.0 S	72.0 S	
109 113 122	45 (37)	62.3 * 138 142 149	62.5 S 138 143 149	62.5 S 139 143 149	62.5 S 139 143 149	29	69.0 F	70.6 F	71.9 S	71.9 S	
108 112 121	47 (39)	61.4 * 137 141 148	61.5 S 137 141 148	61.5 S 138 141 148	61.5 S 138 141 148	31	68.3 F	69.9 F	71.0 S	71.0 S	
107 112 120	49 (41)	60.4 S 136 140 146	60.4 S 136 140 146	60.4 S 136 140 146	60.4 S 137 140 146	33	67.6 F	69.1 *	70.1 S	70.1 S	
	49	60.0 135 140 146 13.5 146	60.0 135 140 146 13.5 146	60.0 136 140 146 13.5 146	60.0 136 140 146 13.5 146	35	66.9 * 144 148 155 13.5 155	68.3 *	69.2 S	69.2 S	
	49	58.0 132 137 143 13.5 143	58.0 132 137 143 13.5 143	58.0 133 137 143 13.5 143	58.0 133 137 143 13.5 143	37	66.0 * 143 147 154 13.5 154	67.4 * 147 151 157 13.5 157	68.2 S	68.2 S	
	49	56.0 129 134 140 14.0 141	56.0 129 134 140 14.0 141	56.0 130 134 140 14.0 141	56.0 130 134 140 14.0 141	39	65.2 * 142 147 153 13.5 153	66.5 * 146 150 156 13.5 156	67.2 S	67.2 S	
	49	54.0 126 132 140 14.0 138	54.0 126 132 140 14.0 138	54.0 127 132 138 14.0 138	54.0 127 132 138 14.0 138		65.0 142 146 153 13.5 153	66.0 145 149 155 13.5 155	67.0 148 152 158 13.5 158	67.0 148 152 158 13.5 158	
	49	52.0 122 129 14.5 135	52.0 123 129 135 14.5 135	52.0 123 129 135 14.5 135	52.0 124 129 135 14.5 135		63.0 139 144 151 13.5 151	64.0 142 146 153 13.5 153	65.0 145 149 156 13.5 156	65.0 145 149 156 13.5 156	
	49	50.0 119 126 15.0 133	50.0 120 126 133 15.0 133	50.0 120 126 133 15.0 133	50.0 121 126 133 15.0 133		61.0 136 141 148 14.0 148	62.0 139 144 150 14.0 150	63.0 142 146 153 14.0 153	63.0 142 146 153 14.0 153	
	49	48.0 116 123 15.0 130	48.0 116 123 130 15.0 130	48.0 117 123 130 15.0 130	48.0 117 123 130 15.0 130		59.0 133 139 146 14.0 146	60.0 136 141 148 14.0 148	61.0 139 144 151 14.0 151	61.0 139 144 151 14.0 151	
	49	46.0 112 CK 120 15.5 128 CK	46.0 113 CK 120 128 CK 15.5 128 CK	46.0 114 CK 120 128 CK 15.5 128 CK	46.0 114 CK 120 128 CK 15.5 128 CK		57.0 130 136 143 14.5 143	58.0 133 139 145 14.5 145	59.0 136 141 148 14.5 148	59.0 136 141 148 14.5 148	
	49	44.0 109 CK 117 CK 16.0 125 CK	44.0 109 CK 117 CK 125 CK 16.0 125 CK	44.0 110 CK 117 CK 125 CK 16.0 125 CK	44.0 111 CK 117 CK 125 CK 16.0 125 CK		55.0 126 133 141 15.0 141	56.0 130 136 143 15.0 143	57.0 133 138 146 14.5 146	57.0 133 138 146 14.5 146	

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

ROME Fiumicino 34C

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115 117 126	-10 (NA)	67.0 *	68.0 F	68.0 F	68.0 F	
115 117 126	-5 (NA)	66.9 *	67.9 *	68.0 F	68.0 F	
115 117 126	0 (NA)	66.7 * 132 145 12.5 152	67.8 * 145 152	68.0 F 152	68.0 F 152	
115 117 126	5 (NA)	66.5 * 132 145 12.5 152	67.6 * 145 152	68.0 F 152	68.0 F 152	
115 117 126	10 (NA)	66.5 * 131 145 12.5 152	67.6 * 145 152	68.0 F 152	68.0 F 152	
115 117 126	15 (NA)	66.3 * 131 145 12.5 152	67.4 * 145 152	68.0 F 152	68.0 F 152	
115 117 126	20 (NA)	66.1 * 131 145 12.5 152	67.2 * 145 152	68.0 F 152	68.0 F 152	
115 117 126	25 (NA)	65.9 * 130 144 12.5 151	67.1 * 144 151	68.0 F 151	68.0 F 151	
115 117 126	27 (NA)	65.8 * 130 144 12.5 151	67.0 * 144 151	68.0 F 151	68.0 F 151	
115 117 126	29 (NA)	65.7 * 130 144 13.0 151	66.9 * 133 146 12.5 152	67.9 * 146 152	68.0 F 152	
114 117 125	31 (NA)	65.0 * 130 143 13.0 150	66.2 * 132 145 12.5 152	67.2 * 134 146 12.5 153	67.5 S 146 153	
113 116 124	33 (NA)	64.2 * 129 143 12.5 149	65.5 * 132 144 12.5 151	66.5 * 134 145 12.5 152	66.7 S 146 152	134 146 152
112 115 124	35 (NA)	63.5 * 128 142 12.5 148	64.7 * 131 143 12.5 150	65.8 * 133 145 12.5 151	65.9 S 145 151	134 145 151
112 115 123	37 (30)	62.7 * 128 141 12.5 148	63.8 * 130 142 12.5 149	64.9 * 132 144 12.5 150	64.9 S 144 150	133 144 150
111 114 122	39 (32)	61.9 * 127 140 12.5 147	63.0 * 129 141 12.5 148	64.0 * 131 143 12.5 149	64.1 S 143 149	132 143 149
110 113 121	41 (33)	61.2 * 126 139 12.5 146	62.3 * 128 141 12.5 147	63.2 * 131 142 12.5 148	63.2 S 142 148	131 142 148
	41	61.0 126 139 12.5 146	62.0 128 140 12.5 147	63.0 130 141 12.5 148	63.0 131 141 12.5 148	
	41	59.0 122 136 13.0 143	60.0 125 138 13.0 144	61.0 127 139 12.5 146	61.0 127 139 12.5 146	
	41	57.0 119 134 13.0 141	58.0 121 135 13.0 142	59.0 124 136 13.0 143	59.0 124 136 13.0 143	
	41	55.0 115 131 13.5 138	56.0 118 132 13.5 139	57.0 120 134 13.0 141	57.0 120 134 13.0 141	
	41	53.0 112 CK 128 14.0 135	54.0 114 CK 130 13.5 137	55.0 117 131 13.5 138	55.0 117 131 13.5 138	
	41	51.0 108 CK 125 14.0 133	52.0 111 CK 127 14.0 134	53.0 113 CK 128 14.0 135	53.0 114 CK 128 14.0 135	
	41	49.0 104 CK 122 14.5 130	50.0 107 CK 124 14.5 131	51.0 110 CK 125 14.0 133	51.0 110 CK 125 14.0 133	

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

MAXIMUM DEPTH						
SSW	{ 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	63.0 F	65.2 *	66.6 *	67.3 *	15	
-5	62.4 F	64.7 F	66.3 *	67.1 *		
0	61.8 F	64.1 F	66.1 *	66.9 *		
5	61.2 F	63.5 F	65.8 F	66.6 *		
10	61.0 F	63.2 F	65.5 F	66.6 *		
15	58.3 G	62.6 F	65.0 F	66.3 *		
20	56.3 G	62.1 F	64.5 F	65.8 F		
25	54.0 G	61.6 F	63.9 F	65.2 F		
30	52.4 G	60.8 F	63.0 F	64.4 F		

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 9849 ft (3002 m)				CLIMB LIMIT (Go-Around)	
FLAP	40		28		OAT
RWY COND	DRY	WET	DRY	WET	°C
W	-10	75.0	75.0	75.0	75.0
I	-5	75.0	75.0	75.0	75.0
N	0	75.0	75.0	75.0	75.0
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					
					-7
					27
					29
					31
					33
					35
					37
					39

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON	-3000	-2000	-1600		-4000
QNH < 1013 (kg/hPa)	-80	-80	-100		-80
QNH > 1013 (kg/hPa)	+30	+30	+30		+30
max Δ hPa :	1				

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NOTE : MTOW/MLAW (structural) see AOM Vol.2 Chap.1		
ONE ENGINE OUT PROCEDURE :		
- At FN/L (DME6 OST), left turn to PRA/L or OST/VOR.		
- Acceleration altitude: 1500 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 Fiumicino 16L

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115 117 126	-10 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	-5 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	0 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	5 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	10 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	15 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	20 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	25 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	27 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	29 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
114 117 125	31 (NA)	67.5 S	67.5 S	67.5 S	67.5 S	
113 116 124	33 (NA)	66.7 S 12.5 152	66.7 S 12.5 152	66.7 S 12.5 152	66.7 S 12.5 152	
112 115 124	35 (NA)	65.9 S 12.5 151	65.9 S 12.5 151	65.9 S 12.5 151	65.9 S 12.5 151	
112 115 123	37 (30)	64.9 S 12.5 150	64.9 S 12.5 150	64.9 S 12.5 150	64.9 S 12.5 150	
111 114 122	39 (32)	64.1 S 12.5 149	64.1 S 12.5 149	64.1 S 12.5 149	64.1 S 12.5 149	
110 113 121	41 (33)	63.2 S 12.5 148	63.2 S 12.5 148	63.2 S 12.5 148	63.2 S 12.5 148	
	41	63.0 129 141 12.5 148	63.0 129 141 12.5 148	63.0 130 141 12.5 148	63.0 130 141 12.5 148	
	41	61.0 125 139 12.5 146	61.0 126 139 12.5 146	61.0 127 139 12.5 146	61.0 127 139 12.5 146	
	41	59.0 122 136 13.0 143	59.0 123 136 13.0 143	59.0 123 136 13.0 143	59.0 124 136 13.0 143	
	41	57.0 118 134 13.0 141	57.0 119 134 13.0 141	57.0 120 134 13.0 141	57.0 120 134 13.0 141	
	41	55.0 115 131 13.5 138	55.0 116 131 13.5 138	55.0 116 131 13.5 138	55.0 117 131 13.5 138	
	41	53.0 111 CK 128 14.0 135	53.0 112 CK 128 14.0 135	53.0 113 CK 128 14.0 135	53.0 113 CK 128 14.0 135	
	41	51.0 108 CK 125 14.0 133	51.0 108 CK 125 14.0 133	51.0 109 CK 125 14.0 133	51.0 110 CK 125 14.0 133	

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	68.0 F	68.0 F	68.0 F	68.0 F	15		
-5	68.0 F	68.0 F	68.0 F	68.0 F			
0	68.0 F	68.0 F	68.0 F	68.0 F			
5	67.8 *	68.0 F	68.0 F	68.0 F			
10	67.7 *	68.0 F	68.0 F	68.0 F			
15	67.4 *	68.0 F	68.0 F	68.0 F			
20	67.0 *	68.0 F	68.0 F	68.0 F			
25	66.6 *	68.0 F	68.0 F	68.0 F			
30	65.9 *	67.5 *	67.9 S	67.9 S			

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 12802 ft (3902 m)				CLIMB LIMIT (Go-Around)	
FLAP	40		28		OAT
RWY COND	DRY	WET	DRY	WET	°C
W	-10	75.0	75.0	75.0	75.0
I	-5	75.0	75.0	75.0	75.0
N	0	75.0	75.0	75.0	75.0
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					
					-7
					27
					29
					31
					33
					35
					37
					39

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON	-3000	-2000	-2500		-4000
QNH < 1013 (kg/hPa)	-80	-80	-60		-80
QNH > 1013 (kg/hPa)	+30	+30	+30		+30
max Δ hPa :	1				

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

ONE ENGINE OUT PROCEDURE :

- PRA/L standard EFP or
- At DME6 OST right turn on heading 186 to intercept and follow R160 OST to Missed Approach Holding.
Acceleration altitude: 1500 ft QNH

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 13 ft Length: 11877 ft (3620 m) Slope: -0.07 % Shift: 925 ft (281 m)	Runway 16L	Airport ROME Fiumicino	LIRF - FCO
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)	06 Jul 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
115 119 128	27 (NA)	69.8 S	69.8 S	69.8 S	69.8 S	25 -----	72.5	72.5	72.5	72.5	
115 119 128	29 (NA)	69.7 S	69.7 S	69.7 S	69.7 S	27	72.5	72.5	72.5	72.5	
114 118 127	31 (NA)	68.9 S	68.9 S	68.9 S	68.9 S	29	72.5	72.5	72.5	72.5	
113 118 127	33 (NA)	68.0 S	68.0 S	68.0 S	68.0 S	31	71.8 S	71.8 S	71.8 S	71.8 S	
113 117 126	35 (NA)	67.1 143 S 148 13.5 155	67.1 143 S 148 13.5 155	67.1 143 S 148 13.5 155	67.1 144 S 148 13.5 155	33	70.8 S	70.8 S	70.8 S	70.8 S	
112 116 125	37 (30)	66.1 142 S 146 13.5 153	66.1 142 S 146 13.5 153	66.1 142 S 146 13.5 153	66.1 143 S 146 13.5 153	35	69.9 S	69.9 S	69.9 S	69.9 S	
111 116 124	39 (32)	65.2 141 S 145 13.5 152	65.2 141 S 145 13.5 152	65.2 141 S 145 13.5 152	65.2 142 S 145 13.5 152	37	68.9 S	68.9 S	68.9 S	68.9 S	
110 115 123	41 (33)	64.3 140 S 144 13.5 151	64.3 140 S 144 13.5 151	64.3 140 S 144 13.5 151	64.3 141 S 144 13.5 151	39	67.9 S	67.9 S	67.9 S	67.9 S	
109 114 123	43 (35)	63.4 139 S 144 13.5 150	63.4 139 S 144 13.5 150	63.4 139 S 144 13.5 150	63.4 140 S 144 13.5 150		67.0 149 154 13.5 160	67.0 149 154 13.5 160	67.0 150 154 13.5 160	67.0 150 154 13.5 160	
109 113 122	45 (37)	62.5 138 S 142 13.5 149	62.5 138 S 142 13.5 149	62.5 138 S 142 13.5 149	62.5 139 S 142 13.5 149		65.0 146 151 13.5 158	65.0 146 151 13.5 158	65.0 147 151 13.5 158	65.0 147 151 13.5 158	
108 112 121	47 (39)	61.5 137 S 141 13.5 148	61.5 137 S 141 13.5 148	61.5 137 S 141 13.5 148	61.5 138 S 141 13.5 148		63.0 143 149 14.0 155	63.0 143 149 14.0 155	63.0 144 149 14.0 155	63.0 144 149 14.0 155	
107 112 120	49 (41)	60.4 136 S 140 13.5 146	60.4 136 S 140 13.5 146	60.4 136 S 140 13.5 146	60.4 137 S 140 13.5 146		61.0 140 146 14.0 152	61.0 140 146 14.0 152	61.0 141 146 14.0 152	61.0 141 146 14.0 152	
	49	60.0 135 140 13.5 146	60.0 135 140 13.5 146	60.0 136 140 13.5 146	60.0 136 140 13.5 146		59.0 137 143 14.5 150	59.0 137 143 14.5 150	59.0 138 143 14.5 150	59.0 138 143 14.5 150	
	49	58.0 132 137 13.5 143	58.0 132 137 13.5 143	58.0 133 137 13.5 143	58.0 133 137 13.5 143		57.0 134 140 14.5 147	57.0 134 140 14.5 147	57.0 134 140 14.5 147	57.0 135 140 14.5 147	
	49	56.0 129 134 14.0 141	56.0 129 134 14.0 141	56.0 130 134 14.0 141	56.0 130 134 14.0 141		55.0 130 138 15.0 145	55.0 131 138 15.0 145	55.0 131 138 15.0 145	55.0 132 138 15.0 145	
	49	54.0 126 132 14.0 138	54.0 126 132 14.0 138	54.0 126 132 14.0 138	54.0 127 132 14.0 138		53.0 127 135 15.0 142	53.0 128 135 15.0 142	53.0 128 135 15.0 142	53.0 128 135 15.0 142	
	49	52.0 122 129 14.5 135	52.0 123 129 14.5 135	52.0 123 129 14.5 135	52.0 124 129 14.5 135		51.0 124 132 15.5 139	51.0 124 132 15.5 139	51.0 125 132 15.5 139	51.0 125 132 15.5 139	
	49	50.0 119 126 15.0 133	50.0 120 126 15.0 133	50.0 120 126 15.0 133	50.0 120 126 15.0 133		49.0 120 129 16.0 136	49.0 121 129 16.0 136	49.0 121 129 16.0 136	49.0 122 129 16.0 136	
	49	48.0 116 123 15.0 130	48.0 116 123 15.0 130	48.0 117 123 15.0 130	48.0 117 123 15.0 130		47.0 117 125 16.0 133	47.0 117 125 16.0 133	47.0 118 125 16.0 133	47.0 118 125 16.0 133	
	49	46.0 112 CK 120 15.5 128 CK	46.0 113 CK 120 15.5 128 CK	46.0 113 CK 120 15.5 128 CK	46.0 114 CK 120 15.5 128 CK		45.0 115 122 16.0 131	45.0 115 122 16.0 131	45.0 115 122 16.0 131	45.0 115 122 16.0 131	
	49	44.0 109 CK 117 CK 16.0 125 CK	44.0 109 CK 117 CK 16.0 125 CK	44.0 110 CK 117 CK 16.0 125 CK	44.0 110 CK 117 CK 16.0 125 CK		43.0 115 119 16.0 129	43.0 115 119 16.0 129	43.0 115 119 16.0 129	43.0 115 119 16.0 129	

T/O FROM PSN A

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

ROME Fiumicino 16L T/O FROM PSN A

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115 117 126	-10 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	-5 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	0 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	5 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	10 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	15 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	20 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	25 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	27 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	29 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
114 117 125	31 (NA)	67.5 S	67.5 S	67.5 S	67.5 S	
113 116 124	33 (NA)	66.7 132 S 145 12.5 152	66.7 133 S 145 12.5 152	66.7 134 S 145 12.5 152	66.7 134 S 145 12.5 152	
112 115 124	35 (NA)	65.9 132 S 145 12.5 151	65.9 132 S 145 12.5 151	65.9 133 S 145 12.5 151	65.9 133 S 145 12.5 151	
112 115 123	37 (30)	64.9 131 S 144 12.5 150	64.9 131 S 144 12.5 150	64.9 132 S 144 12.5 150	64.9 132 S 144 12.5 150	
111 114 122	39 (32)	64.1 130 S 143 12.5 149	64.1 130 S 143 12.5 149	64.1 131 S 143 12.5 149	64.1 131 S 143 12.5 149	
110 113 121	41 (33)	63.2 129 S 142 12.5 148	63.2 130 S 142 12.5 148	63.2 130 S 142 12.5 148	63.2 131 S 142 12.5 148	
	41	63.0 129 141 12.5 148	63.0 129 141 12.5 148	63.0 130 141 12.5 148	63.0 130 141 12.5 148	
	41	61.0 125 139 12.5 146	61.0 126 139 12.5 146	61.0 127 139 12.5 146	61.0 127 139 12.5 146	
	41	59.0 122 136 13.0 143	59.0 123 136 13.0 143	59.0 123 136 13.0 143	59.0 124 136 13.0 143	
	41	57.0 118 134 13.0 141	57.0 119 134 13.0 141	57.0 120 134 13.0 141	57.0 120 134 13.0 141	
	41	55.0 115 131 13.5 138	55.0 116 131 13.5 138	55.0 116 131 13.5 138	55.0 117 131 13.5 138	
	41	53.0 111 CK 128 14.0 135	53.0 112 CK 128 14.0 135	53.0 113 CK 128 14.0 135	53.0 113 CK 128 14.0 135	
	41	51.0 108 CK 125 14.0 133	51.0 108 CK 125 14.0 133	51.0 109 CK 125 14.0 133	51.0 110 CK 125 14.0 133	

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	67.5 *	68.0 F	68.0 F	68.0 F	15
-5	67.2 *	68.0 F	68.0 F	68.0 F	
0	66.8 *	68.0 F	68.0 F	68.0 F	
5	66.3 *	68.0 *	68.0 F	68.0 F	
10	66.1 *	67.8 *	68.0 F	68.0 F	
15	65.7 *	67.5 *	68.0 F	68.0 F	
20	65.3 *	67.1 *	68.0 F	68.0 F	
25	64.8 *	66.7 *	68.0 F	68.0 F	
30	64.1 *	66.0 *	67.7 *	67.9 S	

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 12802 ft (3902 m)				CLIMB LIMIT (Go-Around)	
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	OAT °C W (ton)
W -10	75.0	75.0	75.0	75.0	-7 71.7
I -5	75.0	75.0	75.0	75.0	27 71.7
N 0	75.0	75.0	75.0	75.0	29 71.0
D 10	75.0	75.0	75.0	75.0	31 70.1
20	75.0	75.0	75.0	75.0	33 69.2
					35 68.2
					37 67.3
					39 66.3
For QNH corrections, use values relevant to Go-Around					

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON	-3000	-2000	-2500		-4000
QNH < 1013 (kg/hPa)	-80	-80	-60		-80
QNH > 1013 (kg/hPa)	+30	+30	+30		+30
max Δ hPa :	1				

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

ONE ENGINE OUT PROCEDURE :

- PRA/L standard EFP or
- At DME6 OST right turn on heading 186 to intercept and follow R160 OST to Missed Approach Holding.
Acceleration altitude: 1500 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 Fiumicino 34R

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115 117 126	-10 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	-5 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	0 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	5 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	10 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	15 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	20 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	25 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	27 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	29 (NA)	67.9 *	68.0 F	68.0 F	68.0 F	
114 117 125	31 (NA)	67.3 * 12.5	133 146 153	67.5 S	67.5 S	67.5 S
113 116 124	33 (NA)	66.6 * 12.5	133 145 152	66.7 S 12.5	134 146 152	66.7 S 12.5
112 115 124	35 (NA)	65.8 * 12.5	132 145 151	65.9 S 12.5	133 145 151	65.9 S 12.5
112 115 123	37 (30)	64.9 * 12.5	131 144 150	64.9 S 12.5	132 144 150	64.9 S 12.5
111 114 122	39 (32)	64.0 * 12.5	130 143 149	64.1 S 12.5	131 143 149	64.1 S 12.5
110 113 121	41 (33)	63.2 * 12.5	130 142 148	63.2 S 12.5	131 142 148	63.2 S 12.5
	41	63.0 12.5	129 141 148	63.0 130 141 148	63.0 130 141 148	63.0 131 141 148
	41	61.0 12.5	126 139 146	61.0 126 139 146	61.0 127 139 146	61.0 127 139 146
	41	59.0 13.0	122 136 143	59.0 123 136 143	59.0 124 136 143	59.0 124 136 143
	41	57.0 13.0	119 134 141	57.0 120 134 141	57.0 120 134 141	57.0 121 134 141
	41	55.0 13.5	115 131 138	55.0 116 131 138	55.0 117 131 138	55.0 117 131 138
	41	53.0 14.0	112 CK 128 135	53.0 113 CK 128 135	53.0 113 CK 128 135	53.0 114 CK 128 135
	41	51.0 14.0	108 CK 125 133	51.0 109 CK 125 133	51.0 110 CK 125 133	51.0 110 CK 125 133

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	66.4 *	67.6 *	68.0 F	68.0 F	15
-5	66.1 *	67.4 *	68.0 F	68.0 F	
0	65.9 *	67.2 *	68.0 F	68.0 F	
5	65.6 *	66.9 *	68.0 F	68.0 F	
10	65.5 *	66.9 *	68.0 F	68.0 F	
15	65.3 *	66.6 *	67.9 *	68.0 F	
20	65.0 *	66.4 *	67.6 *	68.0 F	
25	64.8 *	66.2 *	67.4 *	68.0 F	
30	64.2 *	65.5 *	66.9 *	67.6 *	

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 12802 ft (3902 m)				CLIMB LIMIT (Go-Around)	
FLAP	40		28		OAT
RWY COND	DRY	WET	DRY	WET	°C
W	-10	75.0	75.0	75.0	75.0
I	-5	75.0	75.0	75.0	75.0
N	0	75.0	75.0	75.0	75.0
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					
					-7
					27
					29
					31
					33
					35
					37
					39
					71.7
					71.7
					71.0
					70.1
					69.2
					68.2
					67.3
					66.3

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON	-3000	-2000	-2200		-4000
QNH < 1013 (kg/hPa)	-80	-80	-50		-80
QNH > 1013 (kg/hPa)	+30	+30	+30		+30
max Δ hPa :	1				

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

ONE ENGINE OUT PROCEDURE :

-At FN/L (DME6 OST), left turn to PRA/L or OST/VOR
-Acceleration altitude: 1500 ft QNH

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 13 ft Length: 11614 ft (3540 m) Slope: +0.07 % Shift: 1188 ft (362 m)	Runway 34R	Airport ROME Fiumicino LIRF - FCO
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)	06 Jul 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		
115 119 128	27 (NA)	69.8 S		69.8 S		69.8 S		69.8 S		-5	72.5		72.5		72.5		72.5		
115 119 128	29 (NA)	69.7 S		69.7 S		69.7 S		69.7 S		0	72.3 *		72.5		72.5		72.5		
114 118 127	31 (NA)	68.9 S		68.9 S		68.9 S		68.9 S		5	72.0 *		72.5		72.5		72.5		
113 118 127	33 (NA)	68.0 S		68.0 S		68.0 S		68.0 S		10	71.8 *		72.5		72.5		72.5		
113 117 126	35 (NA)	67.1 S 13.5	143 148 155	67.1 S 13.5	144 148 155	67.1 S 13.5	144 148 155	67.1 S 13.5	144 148 155	15	71.6 *		72.5		72.5		72.5		
112 116 125	37 (30)	66.1 S 13.5	142 146 153	66.1 S 13.5	142 146 153	66.1 S 13.5	143 146 153	66.1 S 13.5	143 146 153	20	71.4 *		72.5		72.5		72.5		
111 116 124	39 (32)	65.2 S 13.5	141 145 152	65.2 S 13.5	141 145 152	65.2 S 13.5	142 145 152	65.2 S 13.5	142 145 152	25	71.1 *		72.3 *		72.5		72.5		
110 115 123	41 (33)	64.3 S 13.5	140 145 151	64.3 S 13.5	140 145 151	64.3 S 13.5	141 145 151	64.3 S 13.5	141 145 151	27	71.1 *		72.2 *		72.5		72.5		
109 114 123	43 (35)	63.4 S 13.5	139 144 150	63.4 S 13.5	139 144 150	63.4 S 13.5	140 144 150	63.4 S 13.5	140 144 150	29	70.9 *		72.1 *		72.5		72.5		
109 113 122	45 (37)	62.5 S 13.5	138 143 149	62.5 S 13.5	138 143 149	62.5 S 13.5	139 143 149	62.5 S 13.5	139 143 149	31	70.1 *		71.3 *		71.8 S		71.8 S		
108 112 121	47 (39)	61.5 S 13.5	137 141 148	61.5 S 13.5	137 141 148	61.5 S 13.5	138 141 148	61.5 S 13.5	138 141 148	33	69.3 *		70.5 *		70.8 S		70.8 S		
107 112 120	49 (41)	60.4 S 13.5	136 140 146	60.4 S 13.5	136 140 146	60.4 S 13.5	137 140 146	60.4 S 13.5	137 140 146	35	68.5 *		69.7 *		69.9 S		69.9 S		
	49	60.0	135 140 13.5	60.0	136 140 146	60.0	136 140 146	60.0	136 140 146	37	67.6 *		68.7 *		68.9 S		68.9 S		
	49	58.0	132 137 13.5	58.0	132 137 143	58.0	133 137 143	58.0	133 137 143	39	66.7 * 13.5	149 153 160	67.8 *		67.9 S		67.9 S		
	49	56.0	129 134 14.0	56.0	129 134 141	56.0	130 134 141	56.0	130 134 141		66.0	148 152 13.5	67.0	150 154 160	67.0	150 154 160	67.0	150 154 160	
	49	54.0	126 132 14.0	54.0	126 132 138	54.0	127 132 138	54.0	127 132 138		64.0	145 150 13.5	65.0	147 151 158	65.0	147 151 158	65.0	147 151 158	
	49	52.0	123 129 14.5	52.0	123 129 135	52.0	124 129 135	52.0	124 129 135		62.0	142 147 14.0	63.0	144 149 155	63.0	144 149 155	63.0	144 149 155	
	49	50.0	119 126 15.0	50.0	120 126 133	50.0	120 126 133	50.0	121 126 133		60.0	139 145 14.0	61.0	141 146 152	61.0	141 146 152	61.0	141 146 152	
	49	48.0	116 123 15.0	48.0	116 123 130	48.0	117 123 130	48.0	117 123 130		58.0	136 142 14.5	59.0	138 143 150	59.0	138 143 150	59.0	138 143 150	
	49	46.0	112 CK 120 15.5	46.0	113 CK 120 128 CK	46.0	114 CK 120 128 CK	46.0	114 CK 120 128 CK		56.0	132 139 15.0	57.0	134 140 147	57.0	135 140 147	57.0	135 140 147	
	49	44.0	109 CK 117 CK 16.0	44.0	110 CK 117 CK 125 CK	44.0	110 CK 117 CK 125 CK	44.0	111 CK 117 CK 125 CK		54.0	129 136 15.0	55.0	131 138 145	55.0	132 138 145	55.0	132 138 145	

T/O FROM PSN A

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

ROME Fiumicino 34R T/O FROM PSN A

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115 117 126	-10 (NA)	67.9 *	68.0 F	68.0 F	68.0 F	
115 117 126	-5 (NA)	67.7 *	68.0 F	68.0 F	68.0 F	
115 117 126	0 (NA)	67.6 *	68.0 F	68.0 F	68.0 F	
115 117 126	5 (NA)	67.4 *	68.0 F	68.0 F	68.0 F	
115 117 126	10 (NA)	67.4 *	68.0 F	68.0 F	68.0 F	
115 117 126	15 (NA)	67.2 *	68.0 F	68.0 F	68.0 F	
115 117 126	20 (NA)	67.0 *	68.0 F	68.0 F	68.0 F	
115 117 126	25 (NA)	66.9 *	67.9 *	68.0 F	68.0 F	
115 117 126	27 (NA)	66.8 *	67.9 *	68.0 F	68.0 F	
115 117 126	29 (NA)	66.7 * 132 145 12.5 152	67.7 * 132 145 12.5 152	68.0 F 132 145 12.5 153	68.0 F 132 145 12.5 152	
114 117 125	31 (NA)	66.0 * 131 145 12.5 151	67.1 * 131 145 12.5 153	67.5 S 131 145 12.5 153	67.5 S 131 145 12.5 152	
113 116 124	33 (NA)	65.2 * 131 144 12.5 151	66.4 * 131 144 12.5 152	66.7 S 131 144 12.5 152	66.7 S 131 144 12.5 152	
112 115 124	35 (NA)	64.5 * 130 143 12.5 150	65.6 * 130 143 12.5 151	65.9 S 130 143 12.5 151	65.9 S 130 143 12.5 151	
112 115 123	37 (30)	63.6 * 129 142 12.5 149	64.7 * 129 142 12.5 150	64.9 S 129 142 12.5 150	64.9 S 129 142 12.5 150	
111 114 122	39 (32)	62.8 * 128 141 12.5 148	63.8 * 128 141 12.5 149	64.1 S 128 141 12.5 149	64.1 S 128 141 12.5 149	
110 113 121	41 (33)	62.1 * 128 140 12.5 147	63.0 * 128 140 12.5 148	63.2 S 128 140 12.5 148	63.2 S 128 140 12.5 148	
	41	62.0 127 140 12.5 147	61.0 126 139 12.5 146	63.0 130 141 12.5 148	63.0 131 141 12.5 148	
	41	60.0 124 138 13.0 144	59.0 123 136 13.0 143	61.0 127 139 12.5 146	61.0 127 139 12.5 146	
	41	58.0 121 135 13.0 142	57.0 120 134 13.0 141	59.0 124 136 13.0 143	59.0 124 136 13.0 143	
	41	56.0 117 132 13.5 139	55.0 116 131 13.5 138	57.0 120 134 13.0 141	57.0 121 134 13.0 141	
	41	54.0 114 CK 130 13.5 137	53.0 113 CK 128 14.0 135	55.0 117 131 13.5 138	55.0 117 131 13.5 138	
	41	52.0 110 CK 127 14.0 134	51.0 109 CK 125 14.0 133	53.0 113 CK 128 14.0 135	53.0 114 CK 128 14.0 135	
	41	50.0 106 CK 124 14.5 131	49.0 105 CK 122 14.5 130	51.0 110 CK 125 14.0 133	51.0 110 CK 125 14.0 133	

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	64.9 *	66.2 *	67.5 *	68.0 F	15	
-5	64.6 *	66.0 *	67.3 *	68.0 *		
0	64.3 *	65.7 *	67.0 *	67.8 *		
5	64.0 *	65.5 *	66.8 *	67.5 *		
10	63.9 *	65.4 *	66.7 *	67.5 *		
15	63.6 *	65.1 *	66.5 *	67.3 *		
20	63.3 *	64.8 *	66.3 *	67.0 *		
25	63.0 *	64.5 *	66.0 *	66.8 *		
30	62.4 *	63.9 *	65.4 *	66.2 *		

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 12802 ft (3902 m)				CLIMB LIMIT (Go-Around)	
FLAP	40		28		OAT
RWY COND	DRY	WET	DRY	WET	°C
W	-10	75.0	75.0	75.0	75.0
I	-5	75.0	75.0	75.0	75.0
N	0	75.0	75.0	75.0	75.0
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					
					-7
					27
					29
					31
					33
					35
					37
					39

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON	-3000	-2000	-2000		-4000
QNH < 1013 (kg/hPa)	-80	-80	-50		-80
QNH > 1013 (kg/hPa)	+30	+30	+30		+30
max Δ hPa :	1				

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

ONE ENGINE OUT PROCEDURE :

-At FN/L (DME6 OST), left turn to PRA/L or OST/VOR
-Acceleration altitude: 1500 ft QNH

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 13 ft Length: 12808 ft (3904 m) Slope: +0.01 % Shift: 0 ft (0 m)		Runway 16R	Airport ROME Fiumicino		LIRF - FCO			
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)				06 Jul 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		7	7	7	7
115 119 128	27 (NA)	69.8 S	69.8 S	69.8 S	69.8 S	25 -----	72.5	72.5	72.5	72.5
115 119 128	29 (NA)	69.7 S	69.7 S	69.7 S	69.7 S	27	72.5	72.5	72.5	72.5
114 118 127	31 (NA)	68.9 S	68.9 S	68.9 S	68.9 S	29	72.5	72.5	72.5	72.5
113 118 127	33 (NA)	68.0 S	68.0 S	68.0 S	68.0 S	31	71.8 S	71.8 S	71.8 S	71.8 S
113 117 126	35 (NA)	67.1 143 S 148 13.5 155	67.1 143 S 148 13.5 155	67.1 144 S 148 13.5 155	67.1 144 S 148 13.5 155	33	70.8 S	70.8 S	70.8 S	70.8 S
112 116 125	37 (30)	66.1 142 S 146 13.5 153	66.1 142 S 146 13.5 153	66.1 143 S 146 13.5 153	66.1 143 S 146 13.5 153	35	69.9 S	69.9 S	69.9 S	69.9 S
111 116 124	39 (32)	65.2 141 S 145 13.5 152	65.2 141 S 145 13.5 152	65.2 141 S 145 13.5 152	65.2 142 S 145 13.5 152	37	68.9 S	68.9 S	68.9 S	68.9 S
110 115 123	41 (33)	64.3 140 S 145 13.5 151	64.3 140 S 145 13.5 151	64.3 141 S 145 13.5 151	64.3 141 S 145 13.5 151	39	67.9 S	67.9 S	67.9 S	67.9 S
109 114 123	43 (35)	63.4 139 S 144 13.5 150	63.4 139 S 144 13.5 150	63.4 140 S 144 13.5 150	63.4 140 S 144 13.5 150		67.0 149 154 154 13.5 160	67.0 150 154 154 13.5 160	67.0 150 154 154 13.5 160	67.0 150 154 154 13.5 160
109 113 122	45 (37)	62.5 138 S 143 13.5 149	62.5 138 S 143 13.5 149	62.5 139 S 143 13.5 149	62.5 139 S 143 13.5 149		65.0 146 151 151 13.5 158	65.0 147 151 151 13.5 158	65.0 147 151 151 13.5 158	65.0 147 151 151 13.5 158
108 112 121	47 (39)	61.5 137 S 141 13.5 148	61.5 137 S 141 13.5 148	61.5 138 S 141 13.5 148	61.5 138 S 141 13.5 148		63.0 143 149 149 14.0 155	63.0 144 149 149 14.0 155	63.0 144 149 149 14.0 155	63.0 144 149 149 14.0 155
107 112 120	49 (41)	60.4 136 S 140 13.5 146	60.4 136 S 140 13.5 146	60.4 136 S 140 13.5 146	60.4 137 S 140 13.5 146		61.0 140 146 146 14.0 152	61.0 141 146 146 14.0 152	61.0 141 146 146 14.0 152	61.0 141 146 146 14.0 152
	49	60.0 135 140 140 13.5 146	60.0 135 140 140 13.5 146	60.0 136 140 140 13.5 146	60.0 136 140 140 13.5 146		59.0 137 143 143 14.5 150	59.0 137 143 143 14.5 150	59.0 138 143 143 14.5 150	59.0 138 143 143 14.5 150
	49	58.0 132 137 137 13.5 143	58.0 132 137 137 13.5 143	58.0 133 137 137 13.5 143	58.0 133 137 137 13.5 143		57.0 134 140 140 14.5 147	57.0 134 140 140 14.5 147	57.0 135 140 140 14.5 147	57.0 135 140 140 14.5 147
	49	56.0 129 134 134 14.0 141	56.0 129 134 134 14.0 141	56.0 130 134 134 14.0 141	56.0 130 134 134 14.0 141		55.0 131 138 138 15.0 145	55.0 131 138 138 15.0 145	55.0 131 138 138 15.0 145	55.0 132 138 138 15.0 145
	49	54.0 126 132 132 14.0 138	54.0 126 132 132 14.0 138	54.0 127 132 132 14.0 138	54.0 127 132 132 14.0 138		53.0 127 135 135 15.0 142	53.0 128 135 135 15.0 142	53.0 128 135 135 15.0 142	53.0 128 135 135 15.0 142
	49	52.0 122 129 129 14.5 135	52.0 123 129 129 14.5 135	52.0 123 129 129 14.5 135	52.0 124 129 129 14.5 135		51.0 124 132 132 15.5 139	51.0 124 132 132 15.5 139	51.0 125 132 132 15.5 139	51.0 125 132 132 15.5 139
	49	50.0 119 126 126 15.0 133	50.0 120 126 126 15.0 133	50.0 120 126 126 15.0 133	50.0 121 126 126 15.0 133		49.0 120 129 129 16.0 136	49.0 121 129 129 16.0 136	49.0 121 129 129 16.0 136	49.0 122 129 129 16.0 136
	49	48.0 116 123 123 15.0 130	48.0 116 123 123 15.0 130	48.0 117 123 123 15.0 130	48.0 117 123 123 15.0 130		47.0 117 125 125 16.0 133	47.0 117 125 125 16.0 133	47.0 118 125 125 16.0 133	47.0 118 125 125 16.0 133
	49	46.0 112 CK 120 120 15.5 128 CK	46.0 113 CK 120 120 15.5 128 CK	46.0 114 CK 120 120 15.5 128 CK	46.0 114 CK 120 120 15.5 128 CK		45.0 115 122 122 16.0 131	45.0 115 122 122 16.0 131	45.0 115 122 122 16.0 131	45.0 115 122 122 16.0 131
	49	44.0 109 CK 117 CK 117 CK 16.0 125 CK	44.0 109 CK 117 CK 117 CK 16.0 125 CK	44.0 110 CK 117 CK 117 CK 16.0 125 CK	44.0 110 CK 117 CK 117 CK 16.0 125 CK		43.0 115 119 119 16.0 129	43.0 115 119 119 16.0 129	43.0 115 119 119 16.0 129	43.0 115 119 119 16.0 129
LIMITATION CODES: F = Field length S = 2nd Segment * = Obstacles T = Tire speed B = Brake energy C = Approach climb BLANK = No limitations										

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

ROME Fiumicino 16R

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115 117 126	-10 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	-5 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	0 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	5 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	10 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	15 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	20 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	25 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	27 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
115 117 126	29 (NA)	68.0 F	68.0 F	68.0 F	68.0 F	
114 117 125	31 (NA)	67.5 S	67.5 S	67.5 S	67.5 S	
113 116 124	33 (NA)	66.7 S 12.5 152	66.7 S 12.5 152	66.7 S 12.5 152	66.7 S 12.5 152	
112 115 124	35 (NA)	65.9 S 12.5 151	65.9 S 12.5 151	65.9 S 12.5 151	65.9 S 12.5 151	
112 115 123	37 (30)	64.9 S 12.5 150	64.9 S 12.5 150	64.9 S 12.5 150	64.9 S 12.5 150	
111 114 122	39 (32)	64.1 S 12.5 149	64.1 S 12.5 149	64.1 S 12.5 149	64.1 S 12.5 149	
110 113 121	41 (33)	63.2 S 12.5 148	63.2 S 12.5 148	63.2 S 12.5 148	63.2 S 12.5 148	
	41	63.0 129 141 12.5 148	63.0 129 141 12.5 148	63.0 130 141 12.5 148	63.0 130 141 12.5 148	
	41	61.0 126 139 12.5 146	61.0 126 139 12.5 146	61.0 127 139 12.5 146	61.0 127 139 12.5 146	
	41	59.0 122 136 13.0 143	59.0 123 136 13.0 143	59.0 123 136 13.0 143	59.0 124 136 13.0 143	
	41	57.0 119 134 13.0 141	57.0 119 134 13.0 141	57.0 120 134 13.0 141	57.0 120 134 13.0 141	
	41	55.0 115 131 13.5 138	55.0 116 131 13.5 138	55.0 117 131 13.5 138	55.0 117 131 13.5 138	
	41	53.0 112 CK 128 14.0 135	53.0 112 CK 128 14.0 135	53.0 113 CK 128 14.0 135	53.0 113 CK 128 14.0 135	
	41	51.0 108 CK 125 14.0 133	51.0 109 CK 125 14.0 133	51.0 109 CK 125 14.0 133	51.0 110 CK 125 14.0 133	

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	67.7 *	68.0 F	68.0 F	68.0 F				15		
-5	67.4 *	68.0 F	68.0 F	68.0 F						
0	67.2 *	68.0 F	68.0 F	68.0 F						
5	66.9 *	68.0 F	68.0 F	68.0 F						
10	66.8 *	68.0 F	68.0 F	68.0 F						
15	66.6 *	67.8 *	68.0 F	68.0 F						
20	66.3 *	67.6 *	68.0 F	68.0 F						
25	66.1 *	67.4 *	68.0 F	68.0 F						
30	65.4 *	66.8 *	67.9 S	67.9 S						

MAXIMUM LANDING WEIGHT (ton)						
RUNWAY LENGTH LIMITATIONS Runway Length : 12808 ft (3904 m)					CLIMB LIMIT (Go-Around)	
FLAP	40		28		OAT	W
RWY COND	DRY	WET	DRY	WET	° C	(ton)
W	-10	75.0 75.0	75.0 75.0		-7	71.7
I	-5	75.0 75.0	75.0 75.0		27	71.7
N	0	75.0 75.0	75.0 75.0		29	71.0
D	10	75.0 75.0	75.0 75.0		31	70.1
	20	75.0 75.0	75.0 75.0		33	69.2
					35	68.2
					37	67.3
					39	66.3
For QNH corrections, use values relevant to Go-Around						

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON	-3000	-2000	-2500		-4000
QNH < 1013 (kg/hPa)	-80	-80	-50		-80
QNH > 1013 (kg/hPa)	+30	+30	+30		+30
max Δ hPa :	1				

FCO16RR01 06070909 06 Jul 2009

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

ONE ENGINE OUT PROCEDURE :

- RT to NETUN Fix or TAQ/VOR standard EFP.

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 13 ft Length: 9678 ft (2950 m) Slope: +0.01 % Shift: 3130 ft (954 m)	Runway 16R	Airport ROME Fiumicino LIRF - FCO
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)	06 Jul 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
115 119 128	27 (NA)	69.1 F	69.8 S	69.8 S	69.8 S	-10	70.1 S	70.8 S	72.3 S	72.3 S	
115 119 128	29 (NA)	68.9 F	69.7 S	69.7 S	69.7 S	-5	70.1 S	70.8 S	72.3 S	72.3 S	
114 118 127	31 (NA)	68.2 F	68.9 S	68.9 S	68.9 S	0	70.0 S	70.8 S	72.2 S	72.2 S	
113 118 127	33 (NA)	67.4 * 13.5 143 148 155	68.0 S	68.0 S	68.0 S	5	70.0 S	70.7 S	72.2 S	72.2 S	
113 117 126	35 (NA)	66.6 * 13.5 142 147 154	67.1 S 13.5 143 148 155	67.1 S 13.5 144 148 155	67.1 S 13.5 144 148 155	10	69.8 *	70.7 S	72.2 S	72.2 S	
112 116 125	37 (30)	65.8 * 13.5 142 146 153	66.1 S 13.5 142 146 153	66.1 S 13.5 143 146 153	66.1 S 13.5 143 146 153	15	69.7 *	70.7 S	72.1 S	72.1 S	
111 116 124	39 (32)	64.9 * 13.5 141 145 152	65.2 S 13.5 141 145 152	65.2 S 13.5 141 145 152	65.2 S 13.5 142 145 152	20	69.5 *	70.6 S	72.1 S	72.1 S	
110 115 123	41 (33)	64.1 * 13.5 140 144 151	64.3 S 13.5 140 145 151	64.3 S 13.5 141 145 151	64.3 S 13.5 141 145 151	25	69.3 *	70.6 S	72.1 S	72.1 S	
109 114 123	43 (35)	63.2 * 13.5 139 143 150	63.4 S 13.5 139 144 150	63.4 S 13.5 140 144 150	63.4 S 13.5 140 144 150	27	69.1 F	70.6 S	71.9 F	72.0 S	
109 113 122	45 (37)	62.4 * 13.5 138 142 149	62.5 S 13.5 138 143 149	62.5 S 13.5 139 143 149	62.5 S 13.5 139 143 149	29	68.9 F	70.5 S	71.6 F	71.9 S	
108 112 121	47 (39)	61.5 S 13.5 137 141 148	61.5 S 13.5 137 141 148	61.5 S 13.5 138 141 148	61.5 S 13.5 138 141 148	31	68.2 F	69.6 S	70.9 F	71.0 S	
107 112 120	49 (41)	60.4 S 13.5 136 140 146	60.4 S 13.5 136 140 146	60.4 S 13.5 136 140 146	60.4 S 13.5 137 140 146	33	67.4 * 13.5 143 148 155	68.7 S	70.1 S	70.1 S	
	49	60.0 135 140 13.5 146	60.0 135 140 13.5 146	60.0 136 140 13.5 146	60.0 136 140 13.5 146	35	66.6 * 13.5 142 147 154	67.8 S	69.2 S	69.2 S	
	49	58.0 132 137 13.5 143	58.0 132 137 13.5 143	58.0 133 137 13.5 143	58.0 133 137 13.5 143	37	65.8 * 13.5 142 146 153	66.8 S 13.5 144 148 155	68.2 S	68.2 S	
	49	56.0 129 134 14.0 141	56.0 129 134 14.0 141	56.0 130 134 14.0 141	56.0 130 134 14.0 141	39	64.9 * 13.5 141 145 152	65.8 S 13.5 143 147 154	67.2 S	67.2 S	
	49	54.0 126 132 14.0 138	54.0 126 132 14.0 138	54.0 127 132 14.0 138	54.0 127 132 14.0 138		64.0 139 144 13.5 151	65.0 142 146 13.5 153	67.0 148 152 13.5 158	67.0 148 152 13.5 158	
	49	52.0 122 129 14.5 135	52.0 123 129 14.5 135	52.0 123 129 14.5 135	52.0 124 129 14.5 135		62.0 136 141 13.5 148	63.0 139 144 13.5 151	65.0 145 149 13.5 156	65.0 145 149 13.5 156	
	49	50.0 119 126 15.0 133	50.0 120 126 15.0 133	50.0 120 126 15.0 133	50.0 121 126 15.0 133		60.0 133 139 14.0 146	61.0 136 141 14.0 148	63.0 142 146 14.0 153	63.0 142 146 14.0 153	
	49	48.0 116 123 15.0 130	48.0 116 123 15.0 130	48.0 117 123 15.0 130	48.0 117 123 15.0 130		58.0 130 136 14.0 143	59.0 133 139 14.0 146	61.0 139 144 14.0 151	61.0 139 144 14.0 151	
	49	46.0 112 CK 120 15.5 128 CK	46.0 113 CK 120 15.5 128 CK	46.0 114 CK 120 15.5 128 CK	46.0 114 CK 120 15.5 128 CK		56.0 127 134 14.5 141	57.0 130 136 14.5 143	59.0 136 141 14.5 148	59.0 136 141 14.5 148	
	49	44.0 109 CK 117 CK 16.0 125 CK	44.0 109 CK 117 CK 16.0 125 CK	44.0 110 CK 117 CK 16.0 125 CK	44.0 110 CK 117 CK 16.0 125 CK		54.0 124 131 15.0 138	55.0 127 133 15.0 141	57.0 133 138 14.5 146	57.0 133 138 14.5 146	

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

T/O FROM PSN A

ROME Fiumicino 16R T/O FROM PSN A

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115 117 126	-10 (NA)	67.1 *	68.0 F	68.0 F	68.0 F	
115 117 126	-5 (NA)	66.9 *	68.0 F	68.0 F	68.0 F	
115 117 126	0 (NA)	66.7 * 132 145 12.5 152	67.9 * 132 145 12.5 152	68.0 F 132 145 12.5 152	68.0 F 132 145 12.5 152	
115 117 126	5 (NA)	66.5 * 132 145 12.5 152	67.7 * 132 145 12.5 152	68.0 F 132 145 12.5 152	68.0 F 132 145 12.5 152	
115 117 126	10 (NA)	66.4 * 131 145 12.5 152	67.6 * 131 145 12.5 152	68.0 F 131 145 12.5 152	68.0 F 131 145 12.5 152	
115 117 126	15 (NA)	66.2 * 131 145 12.5 152	67.4 * 131 145 12.5 152	68.0 F 131 145 12.5 152	68.0 F 131 145 12.5 152	
115 117 126	20 (NA)	66.0 * 130 144 12.5 151	67.2 * 130 144 12.5 151	68.0 F 130 144 12.5 151	68.0 F 130 144 12.5 151	
115 117 126	25 (NA)	65.8 * 130 144 12.5 151	67.0 * 130 144 12.5 151	68.0 F 130 144 12.5 151	68.0 F 130 144 12.5 151	
115 117 126	27 (NA)	65.7 * 130 144 12.5 151	66.9 * 130 144 12.5 151	68.0 F 130 144 12.5 151	68.0 F 130 144 12.5 151	
115 117 126	29 (NA)	65.5 * 130 144 13.0 151	66.8 * 130 144 12.5 152	67.9 * 130 145 12.5 152	68.0 F 130 145 12.5 152	
114 117 125	31 (NA)	64.9 * 129 143 13.0 150	66.1 * 129 143 12.5 152	67.2 * 132 145 12.5 153	67.5 S 132 146 12.5 153	
113 116 124	33 (NA)	64.1 * 129 142 13.0 149	65.4 * 129 142 12.5 151	66.5 * 134 145 12.5 152	66.7 S 134 146 12.5 152	
112 115 124	35 (NA)	63.4 * 128 142 12.5 148	64.6 * 128 143 12.5 150	65.8 * 133 145 12.5 151	65.9 S 133 145 12.5 151	
112 115 123	37 (30)	62.6 * 127 141 12.5 148	63.8 * 130 142 12.5 149	64.9 * 132 144 12.5 150	64.9 S 132 144 12.5 150	
111 114 122	39 (32)	61.9 * 127 140 12.5 147	63.0 * 129 141 12.5 148	64.0 * 131 143 12.5 149	64.1 S 132 143 12.5 149	
110 113 121	41 (33)	61.1 * 126 139 12.5 146	62.2 * 128 141 12.5 147	63.2 * 131 142 12.5 148	63.2 S 131 142 12.5 148	
	41	61.0 126 139 12.5 146	62.0 128 140 12.5 147	63.0 130 141 12.5 148	63.0 130 141 12.5 148	
	41	59.0 122 136 13.0 143	60.0 125 138 13.0 144	61.0 127 139 12.5 146	61.0 127 139 12.5 146	
	41	57.0 119 134 13.0 141	58.0 121 135 13.0 142	59.0 123 136 13.0 143	59.0 124 136 13.0 143	
	41	55.0 115 131 13.5 138	56.0 118 132 13.5 139	57.0 120 134 13.0 141	57.0 120 134 13.0 141	
	41	53.0 112 CK 128 14.0 135	54.0 114 CK 130 13.5 137	55.0 117 131 13.5 138	55.0 117 131 13.5 138	
	41	51.0 108 CK 125 14.0 133	52.0 110 CK 127 14.0 134	53.0 113 CK 128 14.0 135	53.0 113 CK 128 14.0 135	
	41	49.0 104 CK 122 14.5 130	50.0 107 CK 124 14.5 131	51.0 109 CK 125 14.0 133	51.0 110 CK 125 14.0 133	

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	62.5 F	64.9 F	66.4 *	67.2 *	15
-5	61.9 F	64.3 F	66.1 *	66.9 *	
0	61.4 F	63.6 F	65.8 *	66.6 *	
5	60.8 F	63.0 F	65.3 F	66.4 *	
10	58.3 G	62.8 F	65.1 F	66.3 *	
15	56.3 G	62.2 F	64.6 F	65.9 F	
20	54.4 G	61.7 F	64.0 F	65.3 F	
25	52.1 G	61.2 F	63.4 F	64.8 F	
30	50.3 G	60.4 F	62.6 F	64.0 F	

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 12808 ft (3904 m)				CLIMB LIMIT (Go-Around)	
FLAP	40		28		OAT
RWY COND	DRY	WET	DRY	WET	°C
W	-10	75.0	75.0	75.0	75.0
I	-5	75.0	75.0	75.0	75.0
N	0	75.0	75.0	75.0	75.0
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					
					-7
					27
					29
					31
					33
					35
					37
					39

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON	-3000	-2000	-1500		-4000
QNH < 1013 (kg/hPa)	-80	-80	-100		-80
QNH > 1013 (kg/hPa)	+30	+30	+30		+30
max Δ hPa :	1				

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

ONE ENGINE OUT PROCEDURE :

- RT to NETUN Fix or TAQ/VOR standard EFP.

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 13 ft Length: 12808 ft (3904 m) Slope: -0.01 % Shift: 0 ft (0 m)		Runway 34L	Airport ROME Fiumicino		LIRF - FCO			
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)		06 Jul 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		7	7	7	7
115 119 128	27 (NA)	69.8 S	69.8 S	69.8 S	69.8 S	25 -----	72.5	72.5	72.5	72.5
115 119 128	29 (NA)	69.7 S	69.7 S	69.7 S	69.7 S	27	72.5	72.5	72.5	72.5
114 118 127	31 (NA)	68.9 S	68.9 S	68.9 S	68.9 S	29	72.5	72.5	72.5	72.5
113 118 127	33 (NA)	68.0 S	68.0 S	68.0 S	68.0 S	31	71.8 S	71.8 S	71.8 S	71.8 S
113 117 126	35 (NA)	67.1 143 S 148 13.5 155	67.1 143 S 148 13.5 155	67.1 144 S 148 13.5 155	67.1 144 S 148 13.5 155	33	70.8 S	70.8 S	70.8 S	70.8 S
112 116 125	37 (30)	66.1 142 S 146 13.5 153	66.1 142 S 146 13.5 153	66.1 142 S 146 13.5 153	66.1 143 S 146 13.5 153	35	69.9 S	69.9 S	69.9 S	69.9 S
111 116 124	39 (32)	65.2 141 S 145 13.5 152	65.2 141 S 145 13.5 152	65.2 141 S 145 13.5 152	65.2 142 S 145 13.5 152	37	68.9 S	68.9 S	68.9 S	68.9 S
110 115 123	41 (33)	64.3 140 S 145 13.5 151	64.3 140 S 145 13.5 151	64.3 141 S 145 13.5 151	64.3 141 S 145 13.5 151	39	67.9 S	67.9 S	67.9 S	67.9 S
109 114 123	43 (35)	63.4 139 S 144 13.5 150	63.4 139 S 144 13.5 150	63.4 140 S 144 13.5 150	63.4 140 S 144 13.5 150		67.0 149 154 154 13.5 160	67.0 150 154 154 13.5 160	67.0 150 154 154 13.5 160	67.0 150 154 154 13.5 160
109 113 122	45 (37)	62.5 138 S 142 13.5 149	62.5 138 S 142 13.5 149	62.5 139 S 142 13.5 149	62.5 139 S 142 13.5 149		65.0 146 151 151 13.5 158	65.0 147 151 151 13.5 158	65.0 147 151 151 13.5 158	65.0 147 151 151 13.5 158
108 112 121	47 (39)	61.5 137 S 141 13.5 148	61.5 137 S 141 13.5 148	61.5 137 S 141 13.5 148	61.5 138 S 141 13.5 148		63.0 143 149 149 14.0 155	63.0 143 149 149 14.0 155	63.0 144 149 149 14.0 155	63.0 144 149 149 14.0 155
107 112 120	49 (41)	60.4 136 S 140 13.5 146	60.4 136 S 140 13.5 146	60.4 136 S 140 13.5 146	60.4 137 S 140 13.5 146		61.0 140 146 146 14.0 152	61.0 140 146 146 14.0 152	61.0 141 146 146 14.0 152	61.0 141 146 146 14.0 152
	49	60.0 135 140 140 13.5 146	60.0 135 140 140 13.5 146	60.0 136 140 140 13.5 146	60.0 136 140 140 13.5 146		59.0 137 143 143 14.5 150	59.0 137 143 143 14.5 150	59.0 138 143 143 14.5 150	59.0 138 143 143 14.5 150
	49	58.0 132 137 137 13.5 143	58.0 132 137 137 13.5 143	58.0 133 137 137 13.5 143	58.0 133 137 137 13.5 143		57.0 134 140 140 14.5 147	57.0 134 140 140 14.5 147	57.0 135 140 140 14.5 147	57.0 135 140 140 14.5 147
	49	56.0 129 134 134 14.0 141	56.0 129 134 134 14.0 141	56.0 130 134 134 14.0 141	56.0 130 134 134 14.0 141		55.0 131 138 138 15.0 145	55.0 131 138 138 15.0 145	55.0 131 138 138 15.0 145	55.0 132 138 138 15.0 145
	49	54.0 126 132 132 14.0 138	54.0 126 132 132 14.0 138	54.0 127 132 132 14.0 138	54.0 127 132 132 14.0 138		53.0 127 135 135 15.0 142	53.0 128 135 135 15.0 142	53.0 128 135 135 15.0 142	53.0 128 135 135 15.0 142
	49	52.0 122 129 129 14.5 135	52.0 123 129 129 14.5 135	52.0 123 129 129 14.5 135	52.0 124 129 129 14.5 135		51.0 124 132 132 15.5 139	51.0 124 132 132 15.5 139	51.0 125 132 132 15.5 139	51.0 125 132 132 15.5 139
	49	50.0 119 126 126 15.0 133	50.0 120 126 126 15.0 133	50.0 120 126 126 15.0 133	50.0 121 126 126 15.0 133		49.0 120 129 129 16.0 136	49.0 121 129 129 16.0 136	49.0 121 129 129 16.0 136	49.0 122 129 129 16.0 136
	49	48.0 116 123 123 15.0 130	48.0 116 123 123 15.0 130	48.0 117 123 123 15.0 130	48.0 117 123 123 15.0 130		47.0 117 125 125 16.0 133	47.0 117 125 125 16.0 133	47.0 118 125 125 16.0 133	47.0 118 125 125 16.0 133
	49	46.0 112 CK 120 120 15.5 128 CK	46.0 113 CK 120 120 15.5 128 CK	46.0 114 CK 120 120 15.5 128 CK	46.0 114 CK 120 120 15.5 128 CK		45.0 115 122 122 16.0 131	45.0 115 122 122 16.0 131	45.0 115 122 122 16.0 131	45.0 115 122 122 16.0 131
	49	44.0 109 CK 117 CK 117 CK 16.0 125 CK	44.0 109 CK 117 CK 117 CK 16.0 125 CK	44.0 110 CK 117 CK 117 CK 16.0 125 CK	44.0 110 CK 117 CK 117 CK 16.0 125 CK		43.0 115 119 119 16.0 129	43.0 115 119 119 16.0 129	43.0 115 119 119 16.0 129	43.0 115 119 119 16.0 129
LIMITATION CODES: F = Field length C = Approach climb S = 2nd Segment BLANK = No limitations * = Obstacles T = Tire speed B = Brake energy										

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

ROME Fiumicino 34L

VMCG VRMIN V2MIN	WET FLAP 15									
	OAT °C	WIND (kt)								
		-10		-5		0		10		
115 117 126	-10 (NA)	68.0 F		68.0 F		68.0 F		68.0 F		
115 117 126	-5 (NA)	68.0 F		68.0 F		68.0 F		68.0 F		
115 117 126	0 (NA)	68.0 F		68.0 F		68.0 F		68.0 F		
115 117 126	5 (NA)	68.0 F		68.0 F		68.0 F		68.0 F		
115 117 126	10 (NA)	68.0 F		68.0 F		68.0 F		68.0 F		
115 117 126	15 (NA)	68.0 F		68.0 F		68.0 F		68.0 F		
115 117 126	20 (NA)	68.0 F		68.0 F		68.0 F		68.0 F		
115 117 126	25 (NA)	68.0 F		68.0 F		68.0 F		68.0 F		
115 117 126	27 (NA)	68.0 F		68.0 F		68.0 F		68.0 F		
115 117 126	29 (NA)	68.0 F		68.0 F		68.0 F		68.0 F		
114 117 125	31 (NA)	67.5 S		67.5 S		67.5 S		67.5 S		
113 116 124	33 (NA)	66.7 133 S 146 12.5 152	66.7 133 S 146 12.5 152	66.7 134 S 146 12.5 152	66.7 134 S 146 12.5 152					
112 115 124	35 (NA)	65.9 132 S 145 12.5 151	65.9 132 S 145 12.5 151	65.9 133 S 145 12.5 151	65.9 133 S 145 12.5 151					
112 115 123	37 (30)	64.9 131 S 144 12.5 150	64.9 132 S 144 12.5 150	64.9 132 S 144 12.5 150	64.9 132 S 144 12.5 150					
111 114 122	39 (32)	64.1 130 S 143 12.5 149	64.1 131 S 143 12.5 149	64.1 131 S 143 12.5 149	64.1 132 S 143 12.5 149					
110 113 121	41 (33)	63.2 129 S 142 12.5 148	63.2 130 S 142 12.5 148	63.2 130 S 142 12.5 148	63.2 131 S 142 12.5 148					
	41	63.0 129 141 12.5 148	63.0 129 141 12.5 148	63.0 130 141 12.5 148	63.0 130 141 12.5 148					
	41	61.0 126 139 12.5 146	61.0 126 139 12.5 146	61.0 127 139 12.5 146	61.0 127 139 12.5 146					
	41	59.0 122 136 13.0 143	59.0 123 136 13.0 143	59.0 123 136 13.0 143	59.0 124 136 13.0 143					
	41	57.0 119 134 13.0 141	57.0 119 134 13.0 141	57.0 120 134 13.0 141	57.0 120 134 13.0 141					
	41	55.0 115 131 13.5 138	55.0 116 131 13.5 138	55.0 117 131 13.5 138	55.0 117 131 13.5 138					
	41	53.0 112CK 128 14.0 135	53.0 112CK 128 14.0 135	53.0 113CK 128 14.0 135	53.0 113CK 128 14.0 135					
	41	51.0 108CK 125 14.0 133	51.0 109CK 125 14.0 133	51.0 109CK 125 14.0 133	51.0 110CK 125 14.0 133					

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	W I N D (kt)					FLAP
°C	-10	-5	0	10		
-10	67.9 *	68.0 F	68.0 F	68.0 F	15	
-5	67.6 *	68.0 F	68.0 F	68.0 F		
0	67.3 *	68.0 F	68.0 F	68.0 F		
5	67.0 *	68.0 F	68.0 F	68.0 F		
10	66.9 *	68.0 F	68.0 F	68.0 F		
15	66.6 *	68.0 *	68.0 F	68.0 F		
20	66.3 *	67.7 *	68.0 F	68.0 F		
25	66.0 *	67.4 *	68.0 F	68.0 F		
30	65.3 *	66.8 *	67.9 S	67.9 S		

MAXIMUM LANDING WEIGHT (ton)							
RUNWAY LENGTH LIMITATIONS						CLIMB LIMIT (Go-Around)	
FLAP		40		28		OAT °C	W (ton)
RWY	COND	DRY	WET	DRY	WET		
W	-10	75.0	75.0	75.0	75.0	-7	71.7
I	-5	75.0	75.0	75.0	75.0	27	71.7
N	0	75.0	75.0	75.0	75.0	29	71.0
D	10	75.0	75.0	75.0	75.0	31	70.1
	20	75.0	75.0	75.0	75.0	33	69.2
						35	68.2
						37	67.3
						39	66.3
For QNH corrections, use values relevant to Go-Around							

WEIGHT CORRECTIONS (kg) for :				
CONDITIONS	TAKEOFF			GO AROUND
	DRY	WET	SSW 15 SSW	
ENG + AIRF A/I ON	-3000	-2000	-2500	-4000
QNH < 1013 (kg/hPa)	-80	-80	-50	-80
QNH > 1013 (kg/hPa)	+30	+30	+30	+30
max Δ hPa: 1				

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

ONE ENGINE OUT PROCEDURE :

- At FW/L (D5 OST), left turn to PRA/L or OST/VOR.

- Acceleration altitude: 1500 ft QNH

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

* = Obstacles

A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL	Elev: 13 ft Length: 10850 ft (3307 m) Slope: -0.01 % Shift: 0 ft (0 m)	Runway 07	Airport ROME Fiumicino LIRF - FCO
	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)	06 Jul 2009

VMCG VRMIN V2MIN	FLAP 15 DRY								
	OAT °C	W I N D (kt)							
		-10		-5		0		10	
115 117 126	27 (NA)	68.4 S	68.4 S	68.4 S	68.4 S	68.4 S	68.4 S		
115 117 126	29 (NA)	68.4 S	68.4 S	68.4 S	68.4 S	68.4 S	68.4 S		
114 117 125	31 (NA)	67.5 S	67.5 S	67.5 S	67.5 S	67.5 S	67.5 S		
113 116 124	33 (NA)	66.7 142 S 146 12.5 152	66.7 142 S 146 12.5 152	66.7 142 S 146 12.5 152	66.7 142 S 146 12.5 152	66.7 142 S 146 12.5 152	66.7 142 S 146 12.5 152		
112 115 124	35 (NA)	65.9 141 S 145 12.5 151	65.9 141 S 145 12.5 151	65.9 141 S 145 12.5 151	65.9 141 S 145 12.5 151	65.9 141 S 145 12.5 151	65.9 141 S 145 12.5 151		
112 115 123	37 (30)	64.9 140 S 144 12.5 150	64.9 140 S 144 12.5 150	64.9 140 S 144 12.5 150	64.9 140 S 144 12.5 150	64.9 140 S 144 12.5 150	64.9 141 S 144 12.5 150		
111 114 122	39 (32)	64.1 139 S 143 12.5 149	64.1 139 S 143 12.5 149	64.1 139 S 143 12.5 149	64.1 139 S 143 12.5 149	64.1 139 S 143 12.5 149	64.1 140 S 143 12.5 149		
110 113 121	41 (33)	63.2 138 S 142 12.5 148	63.2 138 S 142 12.5 148	63.2 138 S 142 12.5 148	63.2 138 S 142 12.5 148	63.2 138 S 142 12.5 148	63.2 139 S 142 12.5 148		
109 112 121	43 (35)	62.3 137 S 141 12.5 147	62.3 137 S 141 12.5 147	62.3 137 S 141 12.5 147	62.3 137 S 141 12.5 147	62.3 138 S 141 12.5 147	62.3 138 S 141 12.5 147		
108 112 120	45 (37)	61.5 136 S 140 12.5 146	61.5 136 S 140 12.5 146	61.5 137 S 140 12.5 146	61.5 137 S 140 12.5 146	61.5 137 S 140 12.5 146	61.5 137 S 140 12.5 146		
107 111 119	47 (39)	60.5 135 S 139 12.5 145	60.5 135 S 139 12.5 145	60.5 136 S 139 12.5 145	60.5 136 S 139 12.5 145	60.5 136 S 139 12.5 145	60.5 136 S 139 12.5 145		
107 110 118	49 (41)	59.5 134 S 138 12.5 144	59.5 134 S 138 12.5 144	59.5 134 S 138 12.5 144	59.5 134 S 138 12.5 144	59.5 135 S 138 12.5 144	59.5 135 S 138 12.5 144		
	49	59.0 133 137 12.5 143	59.0 133 137 12.5 143	59.0 133 137 12.5 143	59.0 133 137 12.5 143	59.0 134 137 12.5 143	59.0 134 137 12.5 143		
	49	57.0 130 134 13.0 141	57.0 130 134 13.0 141	57.0 130 134 13.0 141	57.0 130 134 13.0 141	57.0 131 134 13.0 141	57.0 131 134 13.0 141		
	49	55.0 126 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138		
	49	53.0 123 129 13.5 135	53.0 123 129 13.5 135	53.0 124 129 13.5 135	53.0 124 129 13.5 135	53.0 124 129 13.5 135	53.0 124 129 13.5 135		
	49	51.0 120 126 13.5 133	51.0 120 126 13.5 133	51.0 120 126 13.5 133	51.0 120 126 13.5 133	51.0 121 126 13.5 133	51.0 121 126 13.5 133		
	49	49.0 117 123 14.0 130	49.0 117 123 14.0 130	49.0 117 123 14.0 130	49.0 117 123 14.0 130	49.0 117 123 14.0 130	49.0 117 123 14.0 130		
	49	47.0 113 CK 120 14.5 127	47.0 113 CK 120 14.5 127	47.0 114 CK 120 14.5 127	47.0 114 CK 120 14.5 127	47.0 114 CK 120 14.5 127	47.0 114 CK 120 14.5 127		
	49	45.0 110 CK 117 CK 14.5 124 CK	45.0 110 CK 117 CK 14.5 124 CK	45.0 110 CK 117 CK 14.5 124 CK	45.0 110 CK 117 CK 14.5 124 CK	45.0 111 CK 117 CK 14.5 124 CK	45.0 111 CK 117 CK 14.5 124 CK		
	49	43.0 106 CK 114 CK 15.0 122 CK	43.0 106 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK		

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 9488 ft (2892 m)					
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	
					OAT °C
W -10	75.0	75.0	75.0	75.0	-7
I -5	75.0	75.0	75.0	75.0	27
N 0	75.0	75.0	75.0	75.0	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					W (ton)
					71.7
					71.7
					71.0
					70.1
					69.2
					68.2
					67.3
					66.3

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 :	1				

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

ONE ENGINE OUT PROCEDURE :

- At FE/LOM (DME5 OST), right turn to FN or PRA/L.
- Acceleration altitude: 1500 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: 13 ft Length: 10850 ft (3307 m) Slope: +0.01 % Shift: 0 ft (0 m)	Runway 25	Airport ROME Fiumicino LIRF - FCO
	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)	06 Jul 2009

VMCG VRMIN V2MIN	FLAP 15 DRY								
	OAT °C	W I N D (kt)							
		-10		-5		0		10	
115 117 126	27 (NA)	68.4 S		68.4 S		68.4 S		68.4 S	
115 117 126	29 (NA)	68.4 S		68.4 S		68.4 S		68.4 S	
114 117 125	31 (NA)	67.5 S		67.5 S		67.5 S		67.5 S	
113 116 124	33 (NA)	66.7 S	142 146	66.7 S	142 146	66.7 S	142 146	66.7 S	142 146
112 115 124	35 (NA)	65.9 S	141 145	65.9 S	141 145	65.9 S	141 145	65.9 S	142 145
112 115 123	37 (30)	64.9 S	140 144	64.9 S	140 144	64.9 S	140 144	64.9 S	141 144
111 114 122	39 (32)	64.1 S	139 143	64.1 S	139 143	64.1 S	139 143	64.1 S	140 143
110 113 121	41 (33)	63.2 S	138 142	63.2 S	138 142	63.2 S	138 142	63.2 S	139 142
109 112 121	43 (35)	62.3 S	137 141	62.3 S	137 141	62.3 S	137 141	62.3 S	138 141
108 112 120	45 (37)	61.5 S	136 140	61.5 S	136 140	61.5 S	137 140	61.5 S	137 140
107 111 119	47 (39)	60.5 S	135 139	60.5 S	135 139	60.5 S	136 139	60.5 S	136 139
107 110 118	49 (41)	59.5 S	134 138	59.5 S	134 138	59.5 S	134 138	59.5 S	135 138
	49	59.0	133 137 12.5 143	59.0	133 137 12.5 143	59.0	133 137 12.5 143	59.0	134 137 12.5 143
	49	57.0	130 134 13.0 141	57.0	130 134 13.0 141	57.0	130 134 13.0 141	57.0	131 134 13.0 141
	49	55.0	126 132 13.0 138	55.0	127 132 13.0 138	55.0	127 132 13.0 138	55.0	127 132 13.0 138
	49	53.0	123 129 13.5 135	53.0	123 129 13.5 135	53.0	124 129 13.5 135	53.0	124 129 13.5 135
	49	51.0	120 126 13.5 133	51.0	120 126 13.5 133	51.0	120 126 13.5 133	51.0	121 126 13.5 133
	49	49.0	117 123 14.0 130	49.0	117 123 14.0 130	49.0	117 123 14.0 130	49.0	117 123 14.0 130
	49	47.0	113CK 120 14.5 127	47.0	113CK 120 14.5 127	47.0	114CK 120 14.5 127	47.0	114CK 120 14.5 127
	49	45.0	110CK 117CK 14.5 124CK	45.0	110CK 117CK 14.5 124CK	45.0	110CK 117CK 14.5 124CK	45.0	111CK 117CK 14.5 124CK
	49	43.0	106CK 114CK 15.0 122CK	43.0	107CK 114CK 15.0 122CK	43.0	107CK 114CK 15.0 122CK	43.0	107CK 114CK 15.0 122CK

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 10850 ft (3307 m)					
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	OAT °C
W -10	75.0	75.0	75.0	75.0	-7
I -5	75.0	75.0	75.0	75.0	27
N 0	75.0	75.0	75.0	75.0	29
D 10	75.0	75.0	75.0	75.0	31
20	75.0	75.0	75.0	75.0	33
For QNH corrections, use values relevant to Go-Around				35	68.2
				37	67.3
				39	66.3

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 :	1				

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NOTE : MTOW/MLAW (structural) see AOM Vol.2 Chap.1
ONE ENGINE OUT PROCEDURE : - LT to PRA/L or NETUN Fix standard EFP.

LIMITATION CODES:

F = Field length
C = Approach climb

S = 2nd Segment
BLANK = No limitations

* = Obstacles

T = Tire speed

B = Brake energy

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL	Elev: 13 ft Length: 11818 ft (3602 m) Slope: -0.06 % Shift: 0 ft (0 m)	Runway 16C	Airport ROME Fiumicino LIRF - FCO
	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)	16 Sep 2009

VMCG VRMIN V2MIN	FLAP 15 DRY										
	OAT °C	W I N D (kt)									
		-10		-5		0		10			
115 117 126	27 (NA)	68.4 S	141	68.4 S	145	68.4 S	145	68.4 S	145	68.4 S	145
115 117 126	29 (NA)	68.4 S	145	68.4 S	151	68.4 S	151	68.4 S	151	68.4 S	151
114 117 125	31 (NA)	67.5 S	145	67.5 S	151	67.5 S	151	67.5 S	151	67.5 S	151
113 116 124	33 (NA)	66.7 S	141 145 12.5 152	66.7 S	142 145 12.5 152	66.7 S	142 145 12.5 152	66.7 S	142 145 12.5 152	66.7 S	142 145 12.5 152
112 115 124	35 (NA)	65.9 S	141 145 12.5 151	65.9 S	141 145 12.5 151	65.9 S	141 145 12.5 151	65.9 S	141 145 12.5 151	65.9 S	141 145 12.5 151
112 115 123	37 (30)	64.9 S	140 144 12.5 150	64.9 S	140 144 12.5 150	64.9 S	140 144 12.5 150	64.9 S	140 144 12.5 150	64.9 S	140 144 12.5 150
111 114 122	39 (32)	64.1 S	139 143 12.5 149	64.1 S	139 143 12.5 149	64.1 S	139 143 12.5 149	64.1 S	139 143 12.5 149	64.1 S	139 143 12.5 149
110 113 121	41 (33)	63.2 S	138 142 12.5 148	63.2 S	138 142 12.5 148	63.2 S	138 142 12.5 148	63.2 S	138 142 12.5 148	63.2 S	138 142 12.5 148
109 112 121	43 (35)	62.3 S	137 141 12.5 147	62.3 S	137 141 12.5 147	62.3 S	137 141 12.5 147	62.3 S	137 141 12.5 147	62.3 S	137 141 12.5 147
108 112 120	45 (37)	61.5 S	136 140 12.5 146	61.5 S	136 140 12.5 146	61.5 S	136 140 12.5 146	61.5 S	136 140 12.5 146	61.5 S	136 140 12.5 146
107 111 119	47 (39)	60.5 S	135 139 12.5 145	60.5 S	135 139 12.5 145	60.5 S	135 139 12.5 145	60.5 S	135 139 12.5 145	60.5 S	135 139 12.5 145
107 110 118	49 (41)	59.5 S	134 138 12.5 144	59.5 S	134 138 12.5 144	59.5 S	134 138 12.5 144	59.5 S	134 138 12.5 144	59.5 S	134 138 12.5 144
	49	59.0	133 137 12.5 143	59.0	133 137 12.5 143	59.0	133 137 12.5 143	59.0	133 137 12.5 143	59.0	134 137 12.5 143
	49	57.0	130 134 13.0 141	57.0	130 134 13.0 141	57.0	130 134 13.0 141	57.0	130 134 13.0 141	57.0	130 134 13.0 141
	49	55.0	126 132 13.0 138	55.0	127 132 13.0 138	55.0	127 132 13.0 138	55.0	127 132 13.0 138	55.0	127 132 13.0 138
	49	53.0	123 129 13.5 135	53.0	123 129 13.5 135	53.0	124 129 13.5 135	53.0	124 129 13.5 135	53.0	124 129 13.5 135
	49	51.0	120 126 13.5 133	51.0	120 126 13.5 133	51.0	120 126 13.5 133	51.0	120 126 13.5 133	51.0	121 126 13.5 133
	49	49.0	116 123 14.0 130	49.0	117 123 14.0 130	49.0	117 123 14.0 130	49.0	117 123 14.0 130	49.0	117 123 14.0 130
	49	47.0	113 CK 120 14.5 127	47.0	113 CK 120 14.5 127	47.0	114 CK 120 14.5 127	47.0	114 CK 120 14.5 127	47.0	114 CK 120 14.5 127
	49	45.0	110 CK 117 CK 14.5 124 CK	45.0	110 CK 117 CK 14.5 124 CK	45.0	110 CK 117 CK 14.5 124 CK	45.0	110 CK 117 CK 14.5 124 CK	45.0	111 CK 117 CK 14.5 124 CK
	49	43.0	106 CK 114 CK 15.0 122 CK	43.0	106 CK 114 CK 15.0 122 CK	43.0	107 CK 114 CK 15.0 122 CK	43.0	107 CK 114 CK 15.0 122 CK	43.0	107 CK 114 CK 15.0 122 CK

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 9849 ft (3002 m)					
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	
W -10	75.0	75.0	75.0	75.0	-7
I -5	75.0	75.0	75.0	75.0	27
N 0	75.0	75.0	75.0	75.0	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					

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	DRY	WET	SSW 15	SSW	GO AROUND
ENG + AIRF A/I ON	-3000				-4000
QNH < 1013 (kg/hPa)	-80				-80
QNH > 1013 (kg/hPa)	+30				+30
max Δ hPa :	1				

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

ONE ENGINE OUT PROCEDURE :

- PRA/L standard EFP or
- At DME6 OST right turn on heading 186 to intercept and follow R160 OST to Missed Approach Holding.
Acceleration altitude: 1500 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: 13 ft Length: 9849 ft (3002 m) Slope: +0.04 % Shift: 0 ft (0 m)	Runway 34C	Airport ROME Fiumicino LIRF - FCO
	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)	16 Sep 2009

VMCG VRMIN V2MIN	FLAP 15 DRY									
	OAT °C	W I N D (kt)								
		-10		-5		0		10		
115 117 126	27 (NA)	68.0 * 	68.4 S 	68.4 S 	68.4 S 	68.4 S 	68.4 S 	68.4 S 	68.4 S 	
115 117 126	29 (NA)	67.9 * 	68.4 S 	68.4 S 	68.4 S 	68.4 S 	68.4 S 	68.4 S 	68.4 S 	
114 117 125	31 (NA)	67.2 * 142 146 12.5 153	67.5 S 	67.5 S 	67.5 S 	67.5 S 	67.5 S 	67.5 S 	67.5 S 	
113 116 124	33 (NA)	66.5 * 141 145 12.5 152	66.7 S 142 146 12.5 152	66.7 S 142 146 12.5 152	66.7 S 142 146 12.5 152	66.7 S 142 146 12.5 152	66.7 S 142 146 12.5 152	66.7 S 142 146 12.5 152	66.7 S 142 146 12.5 152	
112 115 124	35 (NA)	65.8 * 141 145 12.5 151	65.9 S 141 145 12.5 151	65.9 S 141 145 12.5 151	65.9 S 141 145 12.5 151	65.9 S 141 145 12.5 151	65.9 S 141 145 12.5 151	65.9 S 141 145 12.5 151	65.9 S 141 145 12.5 151	
112 115 123	37 (30)	64.9 * 140 144 12.5 150	64.9 S 140 144 12.5 150	64.9 S 140 144 12.5 150	64.9 S 140 144 12.5 150	64.9 S 140 144 12.5 150	64.9 S 140 144 12.5 150	64.9 S 140 144 12.5 150	64.9 S 140 144 12.5 150	
111 114 122	39 (32)	64.0 * 139 143 12.5 149	64.1 S 139 143 12.5 149	64.1 S 139 143 12.5 149	64.1 S 139 143 12.5 149	64.1 S 139 143 12.5 149	64.1 S 139 143 12.5 149	64.1 S 139 143 12.5 149	64.1 S 139 143 12.5 149	
110 113 121	41 (33)	63.2 S 138 142 12.5 148	63.2 S 138 142 12.5 148	63.2 S 138 142 12.5 148	63.2 S 139 142 12.5 148	63.2 S 139 142 12.5 148	63.2 S 139 142 12.5 148	63.2 S 139 142 12.5 148	63.2 S 139 142 12.5 148	
109 112 121	43 (35)	62.3 S 137 141 12.5 147	62.3 S 137 141 12.5 147	62.3 S 137 141 12.5 147	62.3 S 138 141 12.5 147	62.3 S 138 141 12.5 147	62.3 S 138 141 12.5 147	62.3 S 138 141 12.5 147	62.3 S 138 141 12.5 147	
108 112 120	45 (37)	61.5 S 136 140 12.5 146	61.5 S 136 140 12.5 146	61.5 S 136 140 12.5 146	61.5 S 137 140 12.5 146	61.5 S 137 140 12.5 146	61.5 S 137 140 12.5 146	61.5 S 137 140 12.5 146	61.5 S 137 140 12.5 146	
107 111 119	47 (39)	60.5 S 135 139 12.5 145	60.5 S 135 139 12.5 145	60.5 S 135 139 12.5 145	60.5 S 136 139 12.5 145	60.5 S 136 139 12.5 145	60.5 S 136 139 12.5 145	60.5 S 136 139 12.5 145	60.5 S 136 139 12.5 145	
107 110 118	49 (41)	59.5 S 134 138 12.5 144	59.5 S 134 138 12.5 144	59.5 S 134 138 12.5 144	59.5 S 135 138 12.5 144	59.5 S 135 138 12.5 144	59.5 S 135 138 12.5 144	59.5 S 135 138 12.5 144	59.5 S 135 138 12.5 144	
	49	59.0 133 137 12.5 143	59.0 133 137 12.5 143	59.0 134 137 12.5 143	59.0 134 137 12.5 143	59.0 134 137 12.5 143	59.0 134 137 12.5 143	59.0 134 137 12.5 143	59.0 134 137 12.5 143	
	49	57.0 130 134 13.0 141	57.0 130 134 13.0 141	57.0 130 134 13.0 141	57.0 130 134 13.0 141	57.0 130 134 13.0 141	57.0 131 134 13.0 141	57.0 131 134 13.0 141	57.0 131 134 13.0 141	
	49	55.0 127 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138	
	49	53.0 123 129 13.5 135	53.0 124 129 13.5 135	53.0 124 129 13.5 135	53.0 124 129 13.5 135	53.0 124 129 13.5 135	53.0 124 129 13.5 135	53.0 124 129 13.5 135	53.0 124 129 13.5 135	
	49	51.0 120 126 13.5 133	51.0 120 126 13.5 133	51.0 120 126 13.5 133	51.0 120 126 13.5 133	51.0 120 126 13.5 133	51.0 121 126 13.5 133	51.0 121 126 13.5 133	51.0 121 126 13.5 133	
	49	49.0 117 123 14.0 130	49.0 117 123 14.0 130	49.0 117 123 14.0 130	49.0 117 123 14.0 130	49.0 117 123 14.0 130	49.0 118 123 14.0 130	49.0 118 123 14.0 130	49.0 118 123 14.0 130	
	49	47.0 113 CK 120 14.5 127	47.0 114 CK 120 14.5 127	47.0 114 CK 120 14.5 127	47.0 114 CK 120 14.5 127	47.0 114 CK 120 14.5 127	47.0 114 CK 120 14.5 127	47.0 114 CK 120 14.5 127	47.0 114 CK 120 14.5 127	
	49	45.0 110 CK 117 CK 14.5 124 CK	45.0 110 CK 117 CK 14.5 124 CK	45.0 110 CK 117 CK 14.5 124 CK	45.0 110 CK 117 CK 14.5 124 CK	45.0 110 CK 117 CK 14.5 124 CK	45.0 111 CK 117 CK 14.5 124 CK	45.0 111 CK 117 CK 14.5 124 CK	45.0 111 CK 117 CK 14.5 124 CK	
	49	43.0 106 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK	

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 9849 ft (3002 m)					
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	OAT °C
W -10	75.0	75.0	75.0	75.0	-7
I -5	75.0	75.0	75.0	75.0	27
N 0	75.0	75.0	75.0	75.0	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					71.7
					71.7
					71.0
					70.1
					69.2
					68.2
					67.3
					66.3

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 :	1				

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

ONE ENGINE OUT PROCEDURE :

- At FN/L (DME6 OST), left turn to PRA/L or OST/VOR.

- Acceleration altitude: 1500 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: 13 ft Length: 12802 ft (3902 m) Slope: -0.07 % Shift: 0 ft (0 m)	Runway 16L	Airport ROME Fiumicino LIRF - FCO
	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)	06 Jul 2009

VMCG VRMIN V2MIN	FLAP 15 DRY										
	OAT °C	W I N D (kt)									
		-10		-5		0		10			
115 117 126	27 (NA)	68.4 S	141	68.4 S	145	68.4 S	145	68.4 S	145	68.4 S	145
115 117 126	29 (NA)	68.4 S	145	68.4 S	151	68.4 S	151	68.4 S	151	68.4 S	151
114 117 125	31 (NA)	67.5 S	145	67.5 S	151	67.5 S	151	67.5 S	151	67.5 S	151
113 116 124	33 (NA)	66.7 S	141 145 12.5 152	66.7 S	142 145 152	66.7 S	142 145 152	66.7 S	142 145 152	66.7 S	142 145 152
112 115 124	35 (NA)	65.9 S	141 145 12.5 151	65.9 S	141 145 151	65.9 S	141 145 151	65.9 S	141 145 151	65.9 S	141 145 151
112 115 123	37 (30)	64.9 S	140 144 12.5 150	64.9 S	140 144 150	64.9 S	140 144 150	64.9 S	140 144 150	64.9 S	140 144 150
111 114 122	39 (32)	64.1 S	139 143 12.5 149	64.1 S	139 143 149	64.1 S	139 143 149	64.1 S	139 143 149	64.1 S	139 143 149
110 113 121	41 (33)	63.2 S	138 142 12.5 148	63.2 S	138 142 148	63.2 S	138 142 148	63.2 S	138 142 148	63.2 S	138 142 148
109 112 121	43 (35)	62.3 S	137 141 12.5 147	62.3 S	137 141 147	62.3 S	137 141 147	62.3 S	137 141 147	62.3 S	137 141 147
108 112 120	45 (37)	61.5 S	136 140 12.5 146	61.5 S	136 140 146	61.5 S	136 140 146	61.5 S	136 140 146	61.5 S	136 140 146
107 111 119	47 (39)	60.5 S	135 139 12.5 145	60.5 S	135 139 145	60.5 S	135 139 145	60.5 S	135 139 145	60.5 S	135 139 145
107 110 118	49 (41)	59.5 S	134 138 12.5 144	59.5 S	134 138 144	59.5 S	134 138 144	59.5 S	134 138 144	59.5 S	134 138 144
	49	59.0	133 137 12.5 143	59.0	133 137 143	59.0	133 137 143	59.0	133 137 143	59.0	134 137 143
	49	57.0	130 134 13.0 141	57.0	130 134 141	57.0	130 134 141	57.0	130 134 141	57.0	130 134 141
	49	55.0	126 132 13.0 138	55.0	127 132 138	55.0	127 132 138	55.0	127 132 138	55.0	127 132 138
	49	53.0	123 129 13.5 135	53.0	123 129 135	53.0	124 129 135	53.0	124 129 135	53.0	124 129 135
	49	51.0	120 126 13.5 133	51.0	120 126 133	51.0	120 126 133	51.0	120 126 133	51.0	121 126 133
	49	49.0	116 123 14.0 130	49.0	117 123 130	49.0	117 123 130	49.0	117 123 130	49.0	117 123 130
	49	47.0	113 CK 120 14.5 127	47.0	113 CK 120 127	47.0	114 CK 120 127	47.0	114 CK 120 127	47.0	114 CK 120 127
	49	45.0	110 CK 117 CK 14.5 124 CK	45.0	110 CK 117 CK 124 CK	45.0	110 CK 117 CK 124 CK	45.0	110 CK 117 CK 124 CK	45.0	111 CK 117 CK 124 CK
	49	43.0	106 CK 114 CK 15.0 122 CK	43.0	106 CK 114 CK 15.0 122 CK	43.0	107 CK 114 CK 15.0 122 CK	43.0	107 CK 114 CK 15.0 122 CK	43.0	107 CK 114 CK 15.0 122 CK

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 12802 ft (3902 m)					
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	
W -10	75.0	75.0	75.0	75.0	-7
I -5	75.0	75.0	75.0	75.0	27
N 0	75.0	75.0	75.0	75.0	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					

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	DRY	WET	SSW 15	SSW	GO AROUND
ENG + AIRF A/I ON	-3000				-4000
QNH < 1013 (kg/hPa)	-80				-80
QNH > 1013 (kg/hPa)	+30				+30
max Δ hPa :	1				

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

ONE ENGINE OUT PROCEDURE :

- PRA/L standard EFP or
- At DME6 OST right turn on heading 186 to intercept and follow R160 OST to Missed Approach Holding.
Acceleration altitude: 1500 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: 13 ft Length: 12802 ft (3902 m) Slope: +0.07 % Shift: 0 ft (0 m)	Runway 34R	Airport ROME Fiumicino LIRF - FCO
	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)	06 Jul 2009

VMCG VRMIN V2MIN	FLAP 15 DRY									
	OAT °C	W I N D (kt)								
		-10		-5		0		10		
115 117 126	27 (NA)	68.4 S	142	68.4 S	142	68.4 S	142	68.4 S	142	
115 117 126	29 (NA)	68.4 S	145	68.4 S	145	68.4 S	145	68.4 S	145	
114 117 125	31 (NA)	67.5 S	145	67.5 S	151	67.5 S	151	67.5 S	151	
113 116 124	33 (NA)	66.7 S	142 146 12.5 152	66.7 S	142 146 12.5 152	66.7 S	142 146 12.5 152	66.7 S	143 146 152	
112 115 124	35 (NA)	65.9 S	141 145 12.5 151	65.9 S	141 145 12.5 151	65.9 S	141 145 12.5 151	65.9 S	142 145 151	
112 115 123	37 (30)	64.9 S	140 144 12.5 150	64.9 S	140 144 12.5 150	64.9 S	140 144 12.5 150	64.9 S	141 144 150	
111 114 122	39 (32)	64.1 S	139 143 12.5 149	64.1 S	139 143 12.5 149	64.1 S	139 143 12.5 149	64.1 S	140 143 149	
110 113 121	41 (33)	63.2 S	138 142 12.5 148	63.2 S	138 142 12.5 148	63.2 S	139 142 12.5 148	63.2 S	139 142 148	
109 112 121	43 (35)	62.3 S	137 141 12.5 147	62.3 S	137 141 12.5 147	62.3 S	138 141 12.5 147	62.3 S	138 141 147	
108 112 120	45 (37)	61.5 S	136 140 12.5 146	61.5 S	137 140 12.5 146	61.5 S	137 140 12.5 146	61.5 S	137 140 146	
107 111 119	47 (39)	60.5 S	135 139 12.5 145	60.5 S	135 139 12.5 145	60.5 S	136 139 12.5 145	60.5 S	136 139 145	
107 110 118	49 (41)	59.5 S	134 138 12.5 144	59.5 S	134 138 12.5 144	59.5 S	135 138 12.5 144	59.5 S	135 138 144	
	49	59.0	133 137 12.5 143	59.0	133 137 12.5 143	59.0	134 137 12.5 143	59.0	134 137 143	
	49	57.0	130 134 13.0 141	57.0	130 134 13.0 141	57.0	130 134 13.0 141	57.0	131 134 141	
	49	55.0	127 132 13.0 138	55.0	127 132 13.0 138	55.0	127 132 13.0 138	55.0	127 132 138	
	49	53.0	123 129 13.5 135	53.0	124 129 13.5 135	53.0	124 129 13.5 135	53.0	124 129 135	
	49	51.0	120 126 13.5 133	51.0	120 126 13.5 133	51.0	121 126 13.5 133	51.0	121 126 133	
	49	49.0	117 123 14.0 130	49.0	117 123 14.0 130	49.0	117 123 14.0 130	49.0	118 123 130	
	49	47.0	113 CK 120 14.5 127	47.0	114 CK 120 14.5 127	47.0	114 CK 120 14.5 127	47.0	114 CK 120 127	
	49	45.0	110 CK 117 CK 14.5 124 CK	45.0	110 CK 117 CK 14.5 124 CK	45.0	111 CK 117 CK 14.5 124 CK	45.0	111 CK 117 CK 124 CK	
	49	43.0	106 CK 114 CK 15.0 122 CK	43.0	107 CK 114 CK 15.0 122 CK	43.0	107 CK 114 CK 15.0 122 CK	43.0	107 CK 114 CK 122 CK	

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 12802 ft (3902 m)					
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	
W -10	75.0	75.0	75.0	75.0	-7
I -5	75.0	75.0	75.0	75.0	27
N 0	75.0	75.0	75.0	75.0	29
D 10	75.0	75.0	75.0	75.0	31
20	75.0	75.0	75.0	75.0	33
For QNH corrections, use values relevant to Go-Around				35	68.2
				37	67.3
				39	66.3

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 :	1				

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

ONE ENGINE OUT PROCEDURE :

- At FN/L (DME6 OST), left turn to PRA/L or OST/VOR
- Acceleration altitude: 1500 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: 13 ft Length: 12808 ft (3904 m) Slope: +0.01 % Shift: 0 ft (0 m)	Runway 16R	Airport ROME Fiumicino LIRF - FCO
	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)	06 Jul 2009

VMCG VRMIN V2MIN	FLAP 15 DRY									
	OAT °C	W I N D (kt)								
		-10		-5		0		10		
115 117 126	27 (NA)	68.4 S	142	68.4 S	142	68.4 S	142	68.4 S	142	
115 117 126	29 (NA)	68.4 S	145	68.4 S	145	68.4 S	145	68.4 S	145	
114 117 125	31 (NA)	67.5 S	145	67.5 S	151	67.5 S	151	67.5 S	151	
113 116 124	33 (NA)	66.7 S	142 146 12.5 152	66.7 S	142 146 12.5 152	66.7 S	142 146 12.5 152	66.7 S	142 146 12.5 152	
112 115 124	35 (NA)	65.9 S	141 145 12.5 151	65.9 S	141 145 12.5 151	65.9 S	141 145 12.5 151	65.9 S	142 145 151	
112 115 123	37 (30)	64.9 S	140 144 12.5 150	64.9 S	140 144 12.5 150	64.9 S	140 144 12.5 150	64.9 S	141 144 150	
111 114 122	39 (32)	64.1 S	139 143 12.5 149	64.1 S	139 143 12.5 149	64.1 S	139 143 12.5 149	64.1 S	140 143 149	
110 113 121	41 (33)	63.2 S	138 142 12.5 148	63.2 S	138 142 12.5 148	63.2 S	138 142 12.5 148	63.2 S	139 142 148	
109 112 121	43 (35)	62.3 S	137 141 12.5 147	62.3 S	137 141 12.5 147	62.3 S	137 141 12.5 147	62.3 S	138 141 147	
108 112 120	45 (37)	61.5 S	136 140 12.5 146	61.5 S	136 140 12.5 146	61.5 S	137 140 12.5 146	61.5 S	137 140 146	
107 111 119	47 (39)	60.5 S	135 139 12.5 145	60.5 S	135 139 12.5 145	60.5 S	136 139 12.5 145	60.5 S	136 139 145	
107 110 118	49 (41)	59.5 S	134 138 12.5 144	59.5 S	134 138 12.5 144	59.5 S	134 138 12.5 144	59.5 S	135 138 144	
	49	59.0	133 137 12.5 143	59.0	133 137 12.5 143	59.0	133 137 12.5 143	59.0	134 137 12.5 143	
	49	57.0	130 134 13.0 141	57.0	130 134 13.0 141	57.0	130 134 13.0 141	57.0	131 134 141	
	49	55.0	126 132 13.0 138	55.0	127 132 13.0 138	55.0	127 132 13.0 138	55.0	127 132 138	
	49	53.0	123 129 13.5 135	53.0	123 129 13.5 135	53.0	124 129 13.5 135	53.0	124 129 135	
	49	51.0	120 126 13.5 133	51.0	120 126 13.5 133	51.0	120 126 13.5 133	51.0	121 126 133	
	49	49.0	117 123 14.0 130	49.0	117 123 14.0 130	49.0	117 123 14.0 130	49.0	117 123 130	
	49	47.0	113 CK 120 14.5 127	47.0	113 CK 120 14.5 127	47.0	114 CK 120 14.5 127	47.0	114 CK 120 127	
	49	45.0	110 CK 117 CK 14.5 124 CK	45.0	110 CK 117 CK 14.5 124 CK	45.0	110 CK 117 CK 14.5 124 CK	45.0	111 CK 117 CK 124 CK	
	49	43.0	106 CK 114 CK 15.0 122 CK	43.0	107 CK 114 CK 15.0 122 CK	43.0	107 CK 114 CK 15.0 122 CK	43.0	107 CK 114 CK 122 CK	

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 12808 ft (3904 m)					
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	
W -10	75.0	75.0	75.0	75.0	-7
I -5	75.0	75.0	75.0	75.0	27
N 0	75.0	75.0	75.0	75.0	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					

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	DRY	WET	SSW 15	SSW	GO AROUND
ENG + AIRF A/I ON	-3000				-4000
QNH < 1013 (kg/hPa)	-80				-80
QNH > 1013 (kg/hPa)	+30				+30
max Δ hPa :	1				

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

ONE ENGINE OUT PROCEDURE :

- RT to NETUN Fix or TAQ/VOR standard EFP.

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: 13 ft Length: 12808 ft (3904 m) Slope: -0.01 % Shift: 0 ft (0 m)	Runway 34L	Airport ROME Fiumicino LIRF - FCO
	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)	06 Jul 2009

VMCG VRMIN V2MIN	FLAP 15 DRY								
	OAT °C	W I N D (kt)							
		-10		-5		0		10	
115 117 126	27 (NA)	68.4 S	68.4 S	68.4 S	68.4 S	68.4 S	68.4 S		
115 117 126	29 (NA)	68.4 S	68.4 S	68.4 S	68.4 S	68.4 S	68.4 S		
114 117 125	31 (NA)	67.5 S	67.5 S	67.5 S	67.5 S	67.5 S	67.5 S		
113 116 124	33 (NA)	66.7 142 S 146 12.5 152	66.7 142 S 146 12.5 152	66.7 142 S 146 12.5 152	66.7 142 S 146 12.5 152	66.7 142 S 146 12.5 152	66.7 142 S 146 12.5 152		
112 115 124	35 (NA)	65.9 141 S 145 12.5 151	65.9 141 S 145 12.5 151	65.9 141 S 145 12.5 151	65.9 141 S 145 12.5 151	65.9 141 S 145 12.5 151	65.9 141 S 145 12.5 151		
112 115 123	37 (30)	64.9 140 S 144 12.5 150	64.9 140 S 144 12.5 150	64.9 140 S 144 12.5 150	64.9 140 S 144 12.5 150	64.9 140 S 144 12.5 150	64.9 141 S 144 12.5 150		
111 114 122	39 (32)	64.1 139 S 143 12.5 149	64.1 139 S 143 12.5 149	64.1 139 S 143 12.5 149	64.1 139 S 143 12.5 149	64.1 139 S 143 12.5 149	64.1 140 S 143 12.5 149		
110 113 121	41 (33)	63.2 138 S 142 12.5 148	63.2 138 S 142 12.5 148	63.2 138 S 142 12.5 148	63.2 138 S 142 12.5 148	63.2 138 S 142 12.5 148	63.2 139 S 142 12.5 148		
109 112 121	43 (35)	62.3 137 S 141 12.5 147	62.3 137 S 141 12.5 147	62.3 137 S 141 12.5 147	62.3 137 S 141 12.5 147	62.3 138 S 141 12.5 147	62.3 138 S 141 12.5 147		
108 112 120	45 (37)	61.5 136 S 140 12.5 146	61.5 136 S 140 12.5 146	61.5 137 S 140 12.5 146	61.5 137 S 140 12.5 146	61.5 137 S 140 12.5 146	61.5 137 S 140 12.5 146		
107 111 119	47 (39)	60.5 135 S 139 12.5 145	60.5 135 S 139 12.5 145	60.5 136 S 139 12.5 145	60.5 136 S 139 12.5 145	60.5 136 S 139 12.5 145	60.5 136 S 139 12.5 145		
107 110 118	49 (41)	59.5 134 S 138 12.5 144	59.5 134 S 138 12.5 144	59.5 134 S 138 12.5 144	59.5 134 S 138 12.5 144	59.5 135 S 138 12.5 144	59.5 135 S 138 12.5 144		
	49	59.0 133 137 12.5 143	59.0 133 137 12.5 143	59.0 133 137 12.5 143	59.0 133 137 12.5 143	59.0 134 137 12.5 143	59.0 134 137 12.5 143		
	49	57.0 130 134 13.0 141	57.0 130 134 13.0 141	57.0 130 134 13.0 141	57.0 130 134 13.0 141	57.0 131 134 13.0 141	57.0 131 134 13.0 141		
	49	55.0 126 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138	55.0 127 132 13.0 138		
	49	53.0 123 129 13.5 135	53.0 123 129 13.5 135	53.0 124 129 13.5 135	53.0 124 129 13.5 135	53.0 124 129 13.5 135	53.0 124 129 13.5 135		
	49	51.0 120 126 13.5 133	51.0 120 126 13.5 133	51.0 120 126 13.5 133	51.0 120 126 13.5 133	51.0 121 126 13.5 133	51.0 121 126 13.5 133		
	49	49.0 117 123 14.0 130	49.0 117 123 14.0 130	49.0 117 123 14.0 130	49.0 117 123 14.0 130	49.0 117 123 14.0 130	49.0 117 123 14.0 130		
	49	47.0 113 CK 120 14.5 127	47.0 113 CK 120 14.5 127	47.0 114 CK 120 14.5 127	47.0 114 CK 120 14.5 127	47.0 114 CK 120 14.5 127	47.0 114 CK 120 14.5 127		
	49	45.0 110 CK 117 CK 14.5 124 CK	45.0 110 CK 117 CK 14.5 124 CK	45.0 110 CK 117 CK 14.5 124 CK	45.0 110 CK 117 CK 14.5 124 CK	45.0 111 CK 117 CK 14.5 124 CK	45.0 111 CK 117 CK 14.5 124 CK		
	49	43.0 106 CK 114 CK 15.0 122 CK	43.0 106 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK	43.0 107 CK 114 CK 15.0 122 CK		

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 11755 ft (3583 m)					
FLAP	40		28		
RWY COND	DRY	WET	DRY	WET	
					OAT °C
W -10	75.0	75.0	75.0	75.0	71.7
I -5	75.0	75.0	75.0	75.0	71.0
N 0	75.0	75.0	75.0	75.0	70.1
D 10	75.0	75.0	75.0	75.0	69.2
20	75.0	75.0	75.0	75.0	68.2
					67.3
					66.3
For QNH corrections, use values relevant to Go-Around					

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 :	1				

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

ONE ENGINE OUT PROCEDURE :

- At FW/L (D5 OST), left turn to PRA/L or OST/VOR.
- Acceleration altitude: 1500 ft QNH

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