

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

VENICE Tessera 04L

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)	67.8 *	68.0 F	68.0 F	68.0 F	
115 117 126	10 (NA)	67.6 F	68.0 F	68.0 F	68.0 F	
115 117 126	15 (NA)	66.9 132 F 146 12.5 153	68.0 F	68.0 F	68.0 F	
115 117 126	20 (NA)	66.4 131 F 145 12.5 152	68.0 F	68.0 F	68.0 F	
115 117 126	25 (NA)	65.8 130 F 144 12.5 151	68.0 F	68.0 F	68.0 F	
115 117 126	27 (NA)	65.6 130 F 144 13.0 151	67.8 F	68.0 F	68.0 F	
115 117 126	29 (NA)	65.3 130 F 144 13.0 151	67.5 F	68.0 F	68.0 F	
114 117 125	31 (NA)	64.7 129 F 143 13.0 150	66.9 133 F 146 12.5 153	67.5 S	67.5 S	
113 116 124	33 (NA)	64.1 129 F 142 13.0 149	66.3 133 F 145 12.5 152	66.7 134 S 146 12.5 152	66.7 134 S 146 12.5 152	
112 115 124	35 (NA)	63.5 128 F 142 12.5 149	65.6 132 F 144 12.5 151	65.9 133 S 145 12.5 151	65.9 133 S 145 12.5 151	
112 115 123	37 (30)	62.8 128 F 141 12.5 148	64.9 132 F 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)	62.1 127 F 140 12.5 147	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)	61.4 126 F 139 12.5 146	63.2 130 S 142 12.5 148	63.2 131 S 142 12.5 148	63.2 131 S 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)				
°C	-10	-5	0	10	FLAP
-10	60.8 F	63.1 F	65.4 F	66.9 F	15
-5	59.4 G	62.4 F	64.8 F	66.2 F	
0	56.9 G	61.9 F	64.3 F	65.6 F	
5	54.5 G	61.3 F	63.6 F	65.0 F	
10	52.3 G	61.1 F	63.4 F	64.8 F	
15	50.2 G	60.6 F	62.8 F	64.2 F	
20	48.4 G	60.1 F	62.3 F	63.6 F	
25	NO T/O	59.6 F	61.7 F	63.1 F	17
30	NO T/O	58.9 F	61.0 F	62.3 F	
-10	62.1 F	64.5 F	65.9 S	65.9 S	
-5	60.2 G	63.8 F	65.9 S	65.9 S	
0	57.5 G	63.2 F	65.6 F	65.8 S	
5	55.1 G	62.6 F	65.0 F	65.8 S	
10	52.9 G	62.4 F	64.8 F	65.8 S	
15	50.9 G	61.8 F	64.3 F	65.6 F	
20	NO T/O	61.3 F	63.7 F	65.0 F	
25	NO T/O	60.8 F	63.1 F	64.5 F	
30	NO T/O	57.0 G	62.3 F	63.7 F	

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 8812 ft (2686 m)				CLIMB LIMIT (Go-Around)	
FLAP	40		28	OAT °C	W (ton)
RWY COND	DRY	WET	DRY		
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	68.3
				37	67.3
				39	66.3
				41	65.3
For QNH corrections, use values relevant to Go-Around					

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW 17	
ENG + AIRF A/I ON	-3000	-2000	-900	-2500	-4000
QNH < 1013 (kg/hPa)	-80	-80	-150	-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 :

- VEN/LOM or CHI-NDB/VOR standard EFP.

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 7 ft Length: 9121 ft (2780 m) Slope: 0.00 % Shift: 0 ft (0 m)	Runway 22R	Airport VENICE Tessera LIPZ - VCE
JT8D-217A A/C : OFF/ON A/I OFF or ENG A/I ON			PTOW (ton) ; V1 (KIAS) LIMIT CODE ; VR (KIAS) PITCH (deg) ; V2 (KIAS)	02 Apr 2009

VMCG VRMIN V2MIN	FLAP 11					DRY	OPTIMUM FLAP				
	OAT °C	W I N D (kt)					OAT °C	W I N D (kt)			
		-10	-5	0	10			-10	-5	0	10
115 119 128	27 (NA)	67.1 F	69.3 F	69.8 S	69.8 S	-10	67.9 *	70.0 *	71.6 S	71.6 S	
115 119 128	29 (NA)	66.9 F 13.5 154	69.0 F	69.7 S	69.7 S	-5	67.8 *	70.0 *	71.6 S	71.6 S	
114 118 127	31 (NA)	66.2 F 13.5 153	68.3 F	68.9 S	68.9 S	0	67.8 *	69.9 *	71.5 S	71.5 S	
113 118 127	33 (NA)	65.5 F 13.5 153	67.6 F	68.0 S	68.0 S	5	67.7 *	69.9 *	71.5 S	71.5 S	
113 117 126	35 (NA)	64.8 F 13.5 152	66.9 F 13.5 154	67.1 S 13.5 155	67.1 S 13.5 155	10	67.7 *	69.8 *	71.4 S	71.4 S	
112 116 125	37 (30)	64.1 F 13.5 151	66.1 S 13.5 153	66.1 S 13.5 153	66.1 S 13.5 153	15	67.6 *	69.8 *	71.4 S	71.4 S	
111 116 124	39 (32)	63.3 F 13.5 150	65.2 S 13.5 152	65.2 S 13.5 152	65.2 S 13.5 152	20	67.6 *	69.7 *	71.3 F	71.4 S	
110 115 123	41 (33)	62.5 F 13.5 149	64.3 S 13.5 151	64.3 S 13.5 151	64.3 S 13.5 151	25	67.6 *	69.5 F	70.8 F	71.3 S	
109 114 123	43 (35)	61.9 F 13.5 148	63.4 * 13.5 150	63.4 S 13.5 150	63.4 S 13.5 150	27	67.5 F	69.3 F	70.6 F	71.3 S	
109 113 122	45 (37)	61.2 F 13.5 147	62.5 S 13.5 149	62.5 S 13.5 149	62.5 S 13.5 149	29	67.3 F 13.5 153	69.0 F	70.4 F	71.2 S	
108 112 121	47 (39)	60.4 F 13.5 146	61.5 S 13.5 148	61.5 S 13.5 148	61.5 S 13.5 148	31	66.6 F 13.5 152	68.3 F	69.6 F	70.3 S	
107 112 120	49 (41)	59.7 F 13.5 145	60.4 S 13.5 146	60.4 S 13.5 146	60.4 S 13.5 146	33	65.8 * 13.5 151	67.6 F	68.9 F	69.4 S	
	49	59.0 13.5 144	60.0 13.5 146	60.0 13.5 146	60.0 13.5 146	35	65.0 * 13.5 150	66.9 F 13.5 154	68.2 F	68.5 S	
	49	57.0 13.5 142	58.0 13.5 143	58.0 13.5 143	58.0 13.5 143	37	64.0 * 13.5 149	66.1 S 13.5 153	67.4 F 13.5 157	67.5 S 13.5 157	
	49	55.0 13.5 140	56.0 14.0 141	56.0 13.5 141	56.0 13.5 141	39	63.2 * 13.5 148	65.2 S 13.5 152	66.5 S 13.5 156	66.5 S 13.5 156	
	49	53.0 14.5 137	54.0 14.0 138	54.0 14.0 138	54.0 14.0 138	41	62.4 * 13.5 147	64.3 S 13.5 151	65.7 S 13.5 155	65.7 S 13.5 155	
	49	51.0 14.5 134	52.0 14.5 135	52.0 14.5 135	52.0 14.5 135		62.0 13.5 146	64.0 13.5 151	65.0 13.5 154	65.0 13.5 154	
	49	49.0 15.0 131	50.0 15.0 133	50.0 15.0 133	50.0 15.0 133		60.0 13.5 144	62.0 13.5 148	63.0 14.0 152	63.0 14.0 152	
	49	47.0 15.5 129	48.0 15.0 130	48.0 15.0 130	48.0 15.0 130		58.0 14.0 141	60.0 14.0 146	61.0 14.0 149	61.0 14.0 149	
	49	45.0 16.0 126	46.0 15.5 128	46.0 15.5 128	46.0 15.5 128		56.0 14.0 139	58.0 14.0 143	59.0 14.0 147	59.0 14.0 147	
	49	43.0 16.0 123	44.0 16.0 125	44.0 16.0 125	44.0 16.0 125		54.0 14.5 136	56.0 14.5 141	57.0 14.5 144	57.0 14.5 144	

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

VENICE Tessera 22R

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115 117 126	-10 (NA)	67.0 *	67.8 *	68.0 F	68.0 F	
115 117 126	-5 (NA)	67.0 *	67.7 *	68.0 F	68.0 F	
115 117 126	0 (NA)	66.9 *	67.7 *	68.0 F	68.0 F	
115 117 126	5 (NA)	66.9 *	67.7 *	68.0 F	68.0 F	
115 117 126	10 (NA)	66.8 *	67.7 *	68.0 F	68.0 F	
115 117 126	15 (NA)	66.8 132 * 145	67.6 *	68.0 F	68.0 F	
115 117 126	20 (NA)	66.4 131 F 145	67.6 *	68.0 F	68.0 F	
115 117 126	25 (NA)	65.8 130 F 144	67.5 *	68.0 F	68.0 F	
115 117 126	27 (NA)	65.6 130 F 144	67.5 *	68.0 F	68.0 F	
115 117 126	29 (NA)	65.3 130 F 144	67.4 *	68.0 F	68.0 F	
114 117 125	31 (NA)	64.7 129 F 143	66.7 133 * 145	67.5 *	67.5 S	
113 116 124	33 (NA)	64.1 129 F 142	66.0 132 * 145	66.7 134 S 146	66.7 134 S 146	
112 115 124	35 (NA)	63.5 128 F 142	65.2 132 * 144	65.9 133 S 145	65.9 133 S 145	
112 115 123	37 (30)	62.8 128 F 141	64.3 131 * 143	64.9 132 S 144	64.9 132 S 144	
111 114 122	39 (32)	62.1 127 F 140	63.4 130 * 142	64.1 131 S 143	64.1 132 S 143	
110 113 121	41 (33)	61.4 126 F 139	62.6 129 * 141	63.2 131 S 142	63.2 131 S 142	
	41	61.0 126 139	62.0 128 140	63.0 130 141	63.0 130 141	
	41	59.0 122 136	60.0 124 138	61.0 127 139	61.0 127 139	
	41	57.0 119 134	58.0 121 135	59.0 123 136	59.0 124 136	
	41	55.0 115 131	56.0 118 132	57.0 120 134	57.0 120 134	
	41	53.0 112 CK 128	54.0 114 CK 130	55.0 117 131	55.0 117 131	
	41	51.0 108 CK 125	52.0 110 CK 127	53.0 113 CK 128	53.0 113 CK 128	
	41	49.0 104 CK 122	50.0 107 CK 124	51.0 109 CK 125	51.0 110 CK 125	

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 -5 0 5 10 15 20 25 30	60.8 F 59.4 G 56.9 G 54.5 G 52.3 G 50.2 G 48.4 G NO T/O NO T/O	63.1 F 62.4 F 61.9 F 61.3 F 61.1 F 60.6 F 60.1 F 59.6 F 58.9 F	65.4 F 64.8 F 64.3 F 63.6 F 63.4 F 62.8 F 62.3 F 61.7 F 61.0 F	66.9 F 66.2 F 65.6 F 65.0 F 64.8 F 64.2 F 63.6 F 63.1 F 62.3 F	15
-10 -5 0 5 10 15 20 25 30	62.1 F 60.2 G 57.5 G 55.1 G 52.9 G 50.9 G NO T/O NO T/O NO T/O	64.5 F 63.8 F 63.2 F 62.6 F 62.4 F 61.8 F 61.3 F 60.8 F 57.0 G	65.5 * 65.5 * 65.4 * 65.0 F 64.8 F 64.3 F 63.7 F 63.1 F 62.3 F	65.9 S 65.9 S 65.8 S 65.8 S 65.8 S 65.6 F 65.0 F 64.5 F 63.7 F	17
MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 9121 ft (2780 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 41
WEIGHT CORRECTIONS (kg) for :					
CONDITIONS		TAKEOFF			
		DRY	WET	SSW 15	SSW 17
ENG + AIRF A/I ON		-3000	-2300	-900	-2500
QNH < 1013 (kg/hPa)		-80	-80	-150	-160
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 :					
- VEN/LOM or CHI-NDB/VOR standard EFP.					

* = 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

VENICE Tessera 04R

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115 117 126	-10 (NA)	67.5 *	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	0 (NA)	67.2 *	68.0 F	68.0 F	68.0 F	
115 117 126	5 (NA)	67.0 *	68.0 F	68.0 F	68.0 F	
115 117 126	10 (NA)	66.9 *	68.0 F	68.0 F	68.0 F	
115 117 126	15 (NA)	66.7 * 131 145 12.5 152	67.8 * 131 145 12.5 152	68.0 F	68.0 F	
115 117 126	20 (NA)	66.5 * 131 145 12.5 152	67.7 * 131 145 12.5 152	68.0 F	68.0 F	
115 117 126	25 (NA)	66.3 * 131 145 12.5 152	67.5 * 131 145 12.5 152	68.0 F	68.0 F	
115 117 126	27 (NA)	66.2 * 131 145 12.5 152	67.4 * 131 145 12.5 152	68.0 F	68.0 F	
115 117 126	29 (NA)	66.0 * 131 145 12.5 152	67.3 * 131 145 12.5 152	68.0 F	68.0 F	
114 117 125	31 (NA)	65.4 * 130 144 12.5 151	66.6 * 130 144 12.5 152	67.5 S	67.5 S	
113 116 124	33 (NA)	64.6 * 130 143 12.5 150	65.9 * 130 143 12.5 151	66.7 S 134 146 12.5 152	66.7 S 134 146 12.5 152	
112 115 124	35 (NA)	63.9 * 129 142 12.5 149	65.1 * 129 142 12.5 150	65.9 S 133 145 12.5 151	65.9 S 133 145 12.5 151	
112 115 123	37 (30)	63.1 * 128 141 12.5 148	64.3 * 128 141 12.5 149	64.9 S 132 144 12.5 150	64.9 S 132 144 12.5 150	
111 114 122	39 (32)	62.3 * 127 140 12.5 147	63.4 * 127 140 12.5 148	64.1 S 131 143 12.5 149	64.1 S 131 143 12.5 149	
110 113 121	41 (33)	61.6 * 127 140 12.5 146	62.6 * 127 140 12.5 148	63.2 S 131 142 12.5 148	63.2 S 131 142 12.5 148	
	41	61.0 126 139 12.5 146	62.0 126 139 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	60.0 122 136 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 -5 0 5 10 15 20 25 30	63.9 63.6 63.2 62.8 62.6 62.2 61.7 61.3 60.6	* * * * * * * * *	65.4 65.1 64.8 64.5 64.4 64.1 63.7 63.2 62.5	* * * * * * * * *	67.6 67.4 67.1 66.9 66.8 66.5 66.2 66.0 65.3
					15

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 10827 ft (3300 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 41
					71.7 71.7 71.0 70.1 69.2 68.3 67.3 66.3 65.3

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	-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 :

- VEN/LOM or CHI-NDB/VOR standard EFP.

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 7 ft Length: 8202 ft (2500 m) Slope: 0.00 % Shift: 0 ft (0 m)	Runway 04R	Airport VENICE Tessera	LIPZ - VCE
JT8D-217A A/C : OFF/ON A/I OFF or ENG A/I ON			PTOW (ton) : V1 (KIAS) LIMIT CODE : VR (KIAS) PITCH (deg) : V2 (KIAS)	02 Apr 2009	

VMCG VRMIN V2MIN	FLAP 11					DRY	OPTIMUM FLAP						
	OAT °C	W I N D (kt)					OAT °C	W I N D (kt)					
		-10	-5	0	10			-10	-5	0	10		
115 119 128	27 (NA)	63.7 F 14.0	137 143 150	65.8 F 13.5	140 146 153	68.0 F	69.2 F	-10	65.9 S 13.0	136 140 147	67.2 S	68.5 S	68.5 S
115 119 128	29 (NA)	63.5 F 14.0	137 143 150	65.5 F 14.0	140 145 153	67.7 F	69.0 F	-5	65.9 S 13.0	136 140 147	67.2 S	68.5 S	68.5 S
114 118 127	31 (NA)	62.9 F 14.0	136 142 149	64.9 F 13.5	140 145 152	67.0 F 13.5	68.3 F 155	0	65.8 S 13.0	136 140 147	67.2 S	68.5 S	68.5 S
113 118 127	33 (NA)	62.2 F 14.0	136 141 149	64.2 F 13.5	139 144 151	66.3 F 13.5	67.6 F 154	5	65.8 S 13.0	136 140 147	67.2 S	68.5 S	68.5 S
113 117 126	35 (NA)	61.6 F 14.0	135 141 148	63.5 F 13.5	138 143 150	65.6 F 13.5	66.8 F 154	10	65.8 S 13.0	136 140 147	67.1 S	68.5 S	68.5 S
112 116 125	37 (30)	60.8 F 14.0	134 140 147	62.8 F 13.5	137 142 149	64.9 F 13.5	66.0 F 153	15	65.8 S 13.0	136 140 147	67.1 S	68.5 S	68.5 S
111 116 124	39 (32)	60.1 F 14.0	133 139 146	62.0 F 13.5	137 142 148	64.1 F 13.5	65.2 S 152	20	65.8 S 13.0	136 140 147	67.1 S	68.5 S	68.5 S
110 115 123	41 (33)	59.4 F 14.0	133 138 145	61.3 F 13.5	136 141 147	63.3 F 13.5	64.3 S 151	25	65.6 F 13.0	135 139 147	67.1 S	68.4 S	68.4 S
109 114 123	43 (35)	58.8 F 14.0	132 138 144	60.6 F 13.5	135 140 147	62.6 F 13.5	63.4 S 150	27	65.4 F 13.0	135 139 146	66.9 F	68.3 F	68.4 S
109 113 122	45 (37)	58.1 F 14.0	131 137 143	60.0 F 13.5	135 139 146	62.0 F 13.5	62.5 S 149	29	65.1 F 13.0	134 139 146	66.7 F 13.0	68.0 F 150	68.4 S
108 112 121	47 (39)	57.4 F 14.0	131 136 143	59.2 F 13.5	134 139 145	61.2 F 13.5	61.5 S 148	31	64.5 F 13.0	134 138 145	66.1 F 13.0	67.4 F	67.5 S
107 112 120	49 (41)	56.7 F 14.0	130 135 142	58.5 F 13.5	133 138 144	60.4 F 13.5	60.4 S 146	33	63.9 F 13.0	134 138 145	65.4 S 13.0	66.7 S 148	66.7 S 152
	49	56.0 14.0	129 134 141	58.0 132 143	136 140 143	60.0 140 146	60.0 140 146	35	63.3 S 13.0	133 137 144	64.6 S 13.0	65.9 S 12.5	65.9 S 145
	49	54.0 14.0	126 132 138	56.0 129 141	133 137 143	58.0 137 143	58.0 137 143	37	62.4 S 13.0	132 136 143	63.7 S 13.0	64.9 S 12.5	64.9 S 150
	49	52.0 14.5	122 129 135	54.0 126 138	130 134 141	56.0 134 141	56.0 134 141	39	61.6 S 13.0	131 135 142	62.8 S 13.0	64.1 S 12.5	64.1 S 149
	49	50.0 15.0	119 126 133	52.0 123 135	127 132 138	54.0 132 138	54.0 132 138	41	60.8 S 13.0	130 134 141	62.0 S 13.0	63.2 S 12.5	63.2 S 148
	49	48.0 15.0	116 123 130	50.0 120 133	123 126 135	52.0 123 135	52.0 123 135		60.0 133 140	129 133 140	60.0 131 135	63.0 138 141	63.0 138 141
	49	46.0 15.5	112 CK 120 128 CK	48.0 116 130	50.0 120 133	50.0 121 133	50.0 121 133		58.0 131 138	126 131 138	58.0 128 133	61.0 135 139	61.0 135 139
	49	44.0 16.0	109 CK 117 CK 125 CK	46.0 113 CK 120 CK	48.0 117 130	48.0 117 130	48.0 117 130		56.0 123 135	123 128 135	56.0 125 130	59.0 131 136	59.0 132 136
	49	42.0 16.0	105 CK 114 CK 122 CK	44.0 109 CK 117 CK	46.0 114 CK 120 CK	46.0 114 CK 120 CK	46.0 114 CK 120 CK		54.0 120 133	120 126 133	54.0 122 135	57.0 128 134	57.0 129 134
	49	40.0 16.0	101 CK 111 CK 119 CK	42.0 106 CK 114 CK	44.0 110 CK 117 CK	44.0 110 CK 117 CK	44.0 110 CK 117 CK		52.0 123 130	117 123 130	52.0 118 125	55.0 125 131	55.0 126 131

BASED ON 2500 M FROM THR

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

VENICE Tessera 04R BASED ON 2500 M FROM THR

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10		-5	0	10
115 117 126	(NA)	66.0 F 12.5	130 144 151	68.0 F	68.0 F	68.0 F
115 117 126	(NA)	65.4 F 13.0	130 143 151	67.6 F	68.0 F	68.0 F
115 117 126	(NA)	64.8 F 13.0	129 143 150	67.0 F 12.5	68.0 F 153	68.0 F
115 117 126	(NA)	64.3 F 13.0	128 142 149	66.5 F 12.5	68.0 F 152	68.0 F
115 117 126	(NA)	64.0 F 13.0	127 142 149	66.2 F 12.5	68.0 F 152	68.0 F
115 117 126	(NA)	63.4 F 13.0	126 141 148	65.6 F 13.0	67.8 F 151	68.0 F
115 117 126	(NA)	62.9 F 13.0	125 141 148	65.0 F 13.0	67.1 F 143 150	68.0 F
115 117 126	(NA)	62.4 F 13.0	125 140 147	64.5 F 13.0	66.6 F 143 152	68.0 F
115 117 126	(NA)	62.2 F 13.0	124 140 147	64.3 F 13.0	66.4 F 142 152	67.8 F
115 117 126	(NA)	61.9 F 13.0	124 139 147	63.9 F 13.0	66.0 F 142 152	67.5 F
114 117 125	(NA)	61.4 F 13.0	124 139 146	63.4 F 13.0	65.5 F 141 151	66.9 F 134 146 153
113 116 124	(NA)	60.9 F 13.0	123 138 145	62.9 F 13.0	64.9 F 141 150	66.3 F 145 152
112 115 124	(NA)	60.3 F 13.0	123 138 145	62.2 F 13.0	64.2 F 140 149	65.6 F 144 151
112 115 123	(30)	59.6 F 13.0	122 137 144	61.6 F 13.0	63.5 F 142 149	64.9 F 144 150
111 114 122	(32)	58.9 F 13.0	122 136 143	60.9 F 13.0	62.8 F 139 148	64.1 S 143 149
110 113 121	(33)	58.3 F 13.0	121 135 142	60.2 F 13.0	62.0 F 140 147	63.2 S 142 148
	41	58.0 13.0	120 135 142	60.0 138 144	60.0 138 144	63.0 141 148
	41	56.0 13.5	117 132 139	58.0 135 142	58.0 135 142	61.0 127 146
	41	54.0 13.5	113 CK 130 137	56.0 132 139	56.0 132 139	59.0 124 143
	41	52.0 14.0	110 CK 127 134	54.0 130 137	54.0 130 137	57.0 120 141
	41	50.0 14.5	106 CK 124 131	52.0 127 134	52.0 127 134	55.0 117 138
	41	48.0 14.5	102 CK 121 129	50.0 124 131	50.0 124 131	53.0 113 CK 128 135
	41	46.0 15.0	98 CK 118 126 CK	48.0 121 129	48.0 121 129	51.0 110 CK 125 133

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		51.2 G		60.1 F		62.3 F		63.7 F		15									
-5		48.6 G		59.5 F		61.7 F		63.1 F											
0		NO T/O		59.0 F		61.1 F		62.5 F											
5		NO T/O		55.5 G		60.6 F		61.9 F											
10		NO T/O		53.3 G		60.4 F		61.7 F											
15		NO T/O		51.3 G		59.9 F		61.2 F											
20		NO T/O		49.3 G		59.5 F		60.6 F											
25		NO T/O		NO T/O		59.0 F		60.2 F		20									
30		NO T/O		NO T/O		58.2 F		59.5 F											
-10		53.0 G		62.7 F		63.3 S		63.3 S											
-5		NO T/O		62.1 F		63.3 S		63.3 S											
0		NO T/O		59.5 G		63.3 S		63.3 S											
5		NO T/O		57.1 G		63.3 S		63.3 S											
10		NO T/O		54.9 G		63.2 F		63.3 S											
15		NO T/O		53.0 G		62.6 F		63.3 S											
20		NO T/O		NO T/O		62.1 F		63.3 S											
25		NO T/O		NO T/O		61.6 F		62.9 F											
30		NO T/O		NO T/O		60.8 F		62.1 F											

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 8202 ft (2500 m)				CLIMB LIMIT (Go-Around)	
FLAP		40		28	
RWY COND		DRY	WET	DRY	WET
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					

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	-120	-100	-80
QNH > 1013 (kg/hPa)	+30	+30	+30	+30	+30
max Δ hPa :	1				

VCE04RN02	05060709	02 Apr 2009
NOTE : MTOW/MLAW (structural) see AOM Vol.2 Chap.1		
ONE ENGINE OUT PROCEDURE :		
- VEN/LOM or CHI-NDB/VOR standard EFP.		

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: 7 ft Length: 10827 ft (3300 m) Slope: 0.00 % Shift: 0 ft (0 m)	Runway 22L	Airport VENICE Tessera LIPZ - VCE
JT8D-217A A/C : OFF/ON A/I OFF or ENG A/I ON		PTOW (ton) ; V1 (KIAS) LIMIT CODE ; VR (KIAS) PITCH (deg) ; V2 (KIAS)		02 Apr 2009

VMCG VRMIN V2MIN	FLAP 11					DRY	OPTIMUM FLAP				
	OAT °C	W I N D (kt)					OAT °C	W I N D (kt)			
		-10	-5	0	10			-10	-5	0	10
115 119 128	27 (NA)	69.4 *	69.8 S	69.8 S	69.8 S	-10	71.6 *	72.5	72.5	72.5	
115 119 128	29 (NA)	69.3 *	69.7 S	69.7 S	69.7 S	-5	71.6 *	72.5	72.5	72.5	
114 118 127	31 (NA)	68.5 *	68.9 S	68.9 S	68.9 S	0	71.5 *	72.5	72.5	72.5	
113 118 127	33 (NA)	67.6 *	68.0 S	68.0 S	68.0 S	5	71.5 *	72.5	72.5	72.5	
113 117 126	35 (NA)	66.8 * 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	71.4 *	72.5	72.5	72.5	
112 116 125	37 (30)	65.8 * 142 146 13.5 153	66.1 S 142 146 13.5 153	66.1 S 142 146 13.5 153	66.1 S 143 146 13.5 153	15	71.4 *	72.5	72.5	72.5	
111 116 124	39 (32)	64.9 * 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	71.3 *	72.5	72.5	72.5	
110 115 123	41 (33)	64.1 * 140 144 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	71.3 *	72.5	72.5	72.5	
109 114 123	43 (35)	63.2 * 139 143 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	71.3 *	72.5	72.5	72.5	
109 113 122	45 (37)	62.3 * 138 142 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	71.1 F	72.3 F	72.5	72.5	
108 112 121	47 (39)	61.4 * 137 141 13.5 148	61.5 S 137 141 13.5 148	61.5 S 137 141 13.5 148	61.5 S 138 141 13.5 148	31	70.3 F	71.6 F	71.8 S	71.8 S	
107 112 120	49 (41)	60.4 * 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	69.5 *	70.8 *	70.9 S	70.9 S	
	49	60.0 135 140 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	35	68.6 *	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	67.6 *	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	66.7 * 147 151 13.5 158	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	41	65.9 * 146 150 13.5 157	67.0 S 150 154 13.5 160	67.0 S 150 154 13.5 160	67.0 S 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		65.0 145 149 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		63.0 142 147 13.5 153	63.0 144 149 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		61.0 139 144 14.0 151	61.0 141 146 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	59.0 138 143 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		57.0 132 139 14.5 146	57.0 135 141 14.5 147	57.0 135 141 14.5 147	57.0 135 141 14.5 147	

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

VENICE Tessera 22L

VMCG VRMIN V2MIN	WET FLAP 15					
	OAT °C	WIND (kt)				
		-10	-5	0	10	
115 117 126	-10 (NA)	67.5 *	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	0 (NA)	67.4 *	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)	67.3 *	68.0 F	68.0 F	68.0 F	
115 117 126	15 (NA)	67.3 *	68.0 F	68.0 F	68.0 F	
115 117 126	20 (NA)	67.3 *	68.0 F	68.0 F	68.0 F	
115 117 126	25 (NA)	67.2 *	68.0 F	68.0 F	68.0 F	
115 117 126	27 (NA)	67.2 *	68.0 F	68.0 F	68.0 F	
115 117 126	29 (NA)	67.1 * 132 146 12.5 153	67.9 * 132 146 12.5 153	68.0 F	68.0 F	
114 117 125	31 (NA)	66.4 * 132 145 12.5 152	67.2 * 132 145 12.5 153	67.5 S	67.5 S	
113 116 124	33 (NA)	65.7 * 131 144 12.5 151	66.5 * 131 144 12.5 152	66.7 S 131 146 12.5 152	66.7 S 131 146 12.5 152	
112 115 124	35 (NA)	64.8 * 130 143 12.5 150	65.7 * 130 144 12.5 151	65.9 S 130 145 12.5 151	65.9 S 130 145 12.5 151	
112 115 123	37 (30)	63.9 * 129 142 12.5 149	64.8 * 129 143 12.5 150	64.9 S 129 144 12.5 150	64.9 S 129 144 12.5 150	
111 114 122	39 (32)	63.1 * 129 141 12.5 148	63.8 * 129 142 12.5 149	64.1 S 129 143 12.5 149	64.1 S 129 143 12.5 149	
110 113 121	41 (33)	62.3 * 128 141 12.5 147	63.0 * 128 142 12.5 148	63.2 S 128 142 12.5 148	63.2 S 128 142 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	63.0 130 141 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	58.0 120 135 13.0 142	57.0 119 134 13.0 141	59.0 123 136 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	57.0 120 134 13.0 141	
	41	54.0 113 CK 130 13.5 137	53.0 112 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	53.0 113 CK 128 14.0 135	
	41	50.0 106 CK 124 14.5 131	49.0 105 CK 122 14.5 130	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	64.9 *	66.9 *	68.0 F	68.0 F	15
-5	64.4 *	66.4 *	68.0 F	68.0 F	
0	63.9 *	65.9 *	67.8 *	68.0 F	
5	63.4 *	65.4 *	67.4 *	68.0 F	
10	63.3 *	65.3 *	67.3 *	68.0 F	
15	62.8 *	64.8 *	66.8 *	67.9 *	
20	62.4 *	64.4 *	66.4 *	67.6 *	
25	62.0 *	63.9 *	65.9 *	67.1 *	
30	61.2 *	63.2 *	65.2 *	66.4 *	

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 10827 ft (3300 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
					41
					71.7
					71.7
					71.0
					70.1
					69.2
					68.3
					67.3
					66.3
					65.3

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW	
ENG + AIRF A/I ON	-3000	-2300	-2000		-4000
QNH < 1013 (kg/hPa)	-80	-80	-60		-80
QNH > 1013 (kg/hPa)	+30	+30	+30		+30
max Δ hPa :	1				

VCE22LR01 05060718 02 Apr 2009

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

ONE ENGINE OUT PROCEDURE :

- VEN/LOM or CHI-NDB/VOR standard EFP.

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 7 ft Length: 8530 ft (2600 m) Slope: 0.00 % Shift: 2297 ft (700 m)	Runway 22L	Airport VENICE Tessera LIPZ - VCE
JT8D-217A A/C : OFF/ON A/I OFF or ENG A/I ON			PTOW (ton) : V1 (KIAS) LIMIT CODE : VR (KIAS) PITCH (deg) : V2 (KIAS)	02 Apr 2009

VMCG VRMIN V2MIN	FLAP 11					DRY	OPTIMUM FLAP						
	OAT °C	W I N D (kt)					OAT °C	W I N D (kt)					
		-10	-5	0	10			-10	-5	0	10		
115 119 128	27 (NA)	65.4 F 14.0	140 145 153	67.5 F 13.5	69.7 F 155	69.8 S 155	-10	66.2 * 13.0	138 142 149	68.5 * 149	70.1 S 149	70.1 S 149	
115 119 128	29 (NA)	65.2 F 14.0	139 145 152	67.2 F 13.5	143 147 155	69.5 F 155	-5	66.1 * 13.0	138 142 149	68.4 * 149	70.1 S 149	70.1 S 149	
114 118 127	31 (NA)	64.5 F 14.0	139 144 151	66.6 F 13.5	142 147 154	68.8 F 154	0	66.1 * 13.0	138 142 149	68.4 * 149	70.0 S 149	70.0 S 149	
113 118 127	33 (NA)	63.9 F 14.0	138 143 151	65.9 F 13.5	141 146 153	68.0 S 153	5	66.1 * 13.0	138 142 149	68.3 * 149	70.0 S 149	70.0 S 149	
113 117 126	35 (NA)	63.2 F 14.0	137 143 150	65.2 F 13.5	141 145 152	67.1 S 13.5	10	66.1 * 13.0	138 142 149	68.3 * 149	70.0 S 149	70.0 S 149	
112 116 125	37 (30)	62.4 F 14.0	137 142 149	64.4 F 13.5	140 144 151	66.1 S 13.5	15	66.0 * 13.0	138 142 149	68.2 * 149	69.9 S 149	69.9 S 149	
111 116 124	39 (32)	61.7 F 14.0	136 141 148	63.6 F 13.5	139 144 150	65.2 S 13.5	20	66.0 * 13.0	137 142 149	68.2 * 149	69.9 S 149	69.9 S 149	
110 115 123	41 (33)	61.0 F 14.0	135 140 147	62.9 F 13.5	138 143 149	64.3 S 13.5	25	66.0 * 13.0	137 142 149	68.1 F 149	69.8 S 149	69.8 S 149	
109 114 123	43 (35)	60.3 F 14.0	134 140 146	62.2 F 13.5	138 142 149	63.4 S 13.5	27	65.9 * 13.0	137 142 149	67.9 F 149	69.7 F 149	69.8 S 149	
109 113 122	45 (37)	59.7 F 13.5	134 139 145	61.5 F 13.5	137 141 148	62.5 S 13.5	29	65.9 * 13.0	137 142 149	67.7 F 149	69.5 F 149	69.7 S 149	
108 112 121	47 (39)	58.9 F 13.5	133 138 144	60.8 F 13.5	136 140 147	61.5 S 13.5	31	65.1 * 13.0	137 141 148	67.0 F 13.5	141 145 152	68.8 F 152	68.9 S 152
107 112 120	49 (41)	58.2 F 13.5	132 137 144	60.0 F 13.5	135 140 146	60.4 S 13.5	33	64.3 * 13.0	136 140 147	66.3 F 13.5	140 144 151	68.0 S 151	68.0 S 151
	49	58.0 137 13.5	132 137 143	58.0 137 143	132 140 146	60.0 140 146	35	63.5 * 13.0	135 139 146	65.5 S 13.5	139 144 150	67.1 S 13.5	144 148 155
	49	56.0 134 14.0	129 134 141	56.0 129 141	133 137 143	58.0 133 143	37	62.7 * 13.0	134 138 145	64.6 S 13.5	138 142 149	66.1 S 13.5	143 146 153
	49	54.0 132 14.0	126 132 138	54.0 126 138	130 134 141	56.0 130 141	39	61.9 * 13.0	133 138 144	63.7 S 13.5	137 142 148	65.2 S 13.5	142 145 152
	49	52.0 129 14.5	122 129 135	52.0 123 135	127 132 138	54.0 127 138	41	61.2 * 13.0	133 137 143	62.8 S 13.5	136 141 147	64.3 S 13.5	141 145 151
	49	50.0 126 15.0	119 126 133	50.0 120 133	123 129 135	52.0 123 135		61.0 132 137	132 139 143	62.0 135 146	140 144 151	64.0 144 151	140 144 151
	49	48.0 123 15.0	116 123 130	48.0 116 130	120 126 133	50.0 120 133		59.0 129 134	129 137 141	60.0 132 144	137 142 148	62.0 142 148	137 142 148
	49	46.0 120 15.5	112CK 120 128CK	46.0 113CK 15.5	117 123 130	48.0 117 130		57.0 126 131	126 131 138	58.0 129 141	134 139 146	60.0 134 146	134 139 146
	49	44.0 117CK 16.0	109CK 117CK 125CK	44.0 109CK 16.0	114CK 120 128CK	46.0 114CK 128CK		55.0 123 129	123 132 136	56.0 126 139	131 136 143	58.0 131 143	131 136 143
	49	42.0 114CK 16.0	105CK 114CK 122CK	42.0 106CK 16.0	110CK 117CK 125CK	44.0 110CK 125CK		53.0 120 126	120 129 133	54.0 123 14.5	123 129 136	56.0 128 141	128 134 141

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

T/O FROM TWY B8

VENICE Tessera 22L T/O FROM TWY B8

VMCG VRMIN V2MIN	WET FLAP 15						
	OAT °C	WIND (kt)					
		-10	-5		0	10	
115 117 126	-10 (NA)	65.7 * 12.5	130 144 151	67.5 * 	68.0 F 	68.0 F 	
115 117 126	-5 (NA)	65.3 * 13.0	129 143 151	67.1 * 	68.0 F 	68.0 F 	
115 117 126	0 (NA)	64.9 * 13.0	129 143 150	66.7 * 12.5	132 145 152	68.0 F 	68.0 F
115 117 126	5 (NA)	64.5 * 13.0	128 142 150	66.4 * 12.5	132 145 152	68.0 F 	68.0 F
115 117 126	10 (NA)	64.3 * 13.0	128 142 149	66.2 * 12.5	131 145 152	67.8 F 	68.0 F
115 117 126	15 (NA)	63.8 * 13.0	127 142 149	65.8 * 13.0	131 144 151	67.5 F 	68.0 F
115 117 126	20 (NA)	63.4 * 13.0	126 141 148	65.3 * 13.0	130 144 151	67.1 F 	68.0 F
115 117 126	25 (NA)	63.0 * 13.0	126 141 148	64.9 * 13.0	129 143 150	66.7 * 12.5	133 145 152
115 117 126	27 (NA)	62.9 * 13.0	126 141 148	64.8 * 13.0	129 143 150	66.6 * 12.5	133 145 152
115 117 126	29 (NA)	62.7 * 13.0	125 140 148	64.5 * 13.0	129 143 150	66.3 * 12.5	132 145 152
114 117 125	31 (NA)	62.1 * 13.0	125 140 147	63.9 * 13.0	128 142 149	65.7 * 12.5	132 144 151
113 116 124	33 (NA)	61.5 * 13.0	124 139 146	63.3 * 13.0	128 141 148	65.1 * 12.5	131 144 150
112 115 124	35 (NA)	60.9 * 13.0	124 138 145	62.6 * 13.0	127 141 148	64.3 * 12.5	131 143 151
112 115 123	37 (30)	60.2 * 13.0	123 138 145	61.9 * 13.0	127 140 147	63.5 * 12.5	130 142 149
111 114 122	39 (32)	59.5 * 13.0	123 137 144	61.2 * 13.0	126 139 146	62.8 * 12.5	129 141 148
110 113 121	41 (33)	58.8 * 13.0	122 136 143	60.5 * 13.0	125 138 145	62.1 * 12.5	129 140 147
	41	58.0 130 13.0	120 135 142	60.0 138 144	124 140 147	62.0 140 147	127 139 146
	41	56.0 132 13.5	117 132 139	58.0 135 142	121 135 142	60.0 138 144	125 136 143
	41	54.0 130 13.5	113CK 137	56.0 132 139	118 132 139	58.0 122 142	120 134 141
	41	52.0 127 14.0	110CK 134	54.0 130 137	114CK 130 137	56.0 118 139	117 131 138
	41	50.0 124 14.5	106CK 131	52.0 127 140	110CK 127 134	54.0 115 137	113CK 128 135
	41	48.0 121 14.5	102CK 129	50.0 124 14.5	107CK 124 131	52.0 111CK 134	110CK 125 133
	41	46.0 118 15.0	98CK 126CK	48.0 121 14.5	103CK 121 129	50.0 108CK 131	106CK 122 130

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 -5 0 5 10 15 20 25 30	56.6 G 54.0 G 51.4 G 49.0 G NO T/O NO T/O NO T/O NO T/O NO T/O	61.3 * 60.8 * 60.4 F 59.9 F 59.7 F 59.2 F 54.8 G 52.5 G 50.8 G	63.4 * 62.9 * 62.4 * 62.0 * 61.8 * 61.3 F 60.8 F 60.3 F 59.6 F	64.7 * 64.2 * 63.7 * 63.2 * 63.0 * 62.6 * 62.1 F 61.6 F 60.8 F	15	
-10 -5 0 5 10 15 20 25 30	58.2 G 55.6 G 53.1 G NO T/O NO T/O NO T/O NO T/O NO T/O NO T/O	62.0 * 61.7 * 61.3 * 60.9 * 60.5 G 58.4 G 56.4 G 54.1 G 52.5 G	63.0 * 63.0 * 62.9 * 62.6 * 62.5 * 62.2 * 61.9 * 61.5 * 60.9 *	63.3 S 63.3 S 63.3 S 63.3 S 63.3 * 63.0 * 62.8 * 62.5 * 61.9 *	20	

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS Runway Length : 10827 ft (3300 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					71.7 71.7 71.0 70.1 69.2 68.3 67.3 66.3 65.3

WEIGHT CORRECTIONS (kg) for :					
CONDITIONS	TAKEOFF				GO AROUND
	DRY	WET	SSW 15	SSW 20	
ENG + AIRF A/I ON	-3000	-2100	-600	-2500	-4000
QNH < 1013 (kg/hPa)	-80	-80	-160	-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 :

- VEN/LOM or CHI-NDB/VOR standard EFP.

* = Obstacles A = TOW limited by acceleration

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL		Elev: 7 ft Length: 8202 ft (2500 m) Slope: 0.00 % Shift: 0 ft (0 m)	Runway 22L	Airport VENICE Tessera	LIPZ - VCE
JT8D-217A A/C : OFF/ON A/I OFF or ENG A/I ON			PTOW (ton) : V1 (KIAS) LIMIT CODE : VR (KIAS) PITCH (deg) : V2 (KIAS)	02 Apr 2009	

VMCG VRMIN V2MIN	FLAP 11						DRY	OPTIMUM FLAP								
	OAT °C	W I N D (kt)				OAT °C		W I N D (kt)								
		-10	-5	0	10			-10	-5	0	10					
115 119 128	27 (NA)	63.5 F 14.0	137 143 150	65.6 F 14.0	140 145 153	67.8 F	69.0 F	-10	65.5 * 13.0	135 139 147	67.2 S	68.5 S	68.5 S			
115 119 128	29 (NA)	63.3 F 14.0	137 143 150	65.3 F 14.0	140 145 152	67.5 F	68.8 F	-5	65.5 * 13.0	135 139 147	67.2 S	68.4 S	68.4 S			
114 118 127	31 (NA)	62.7 F 14.0	136 142 149	64.7 F 14.0	139 144 152	66.8 F 13.5	68.1 F 154	0	65.5 * 13.0	135 139 147	67.2 S	68.4 S	68.4 S			
113 118 127	33 (NA)	62.0 F 14.0	135 141 148	64.0 F 13.5	139 144 151	66.1 F 13.5	67.4 F 153	5	65.5 * 13.0	135 139 146	67.2 S	68.4 S	68.4 S			
113 117 126	35 (NA)	61.4 F 14.0	135 140 148	63.4 F 14.0	138 143 150	65.5 F 13.5	66.7 F 147 154	10	65.4 * 13.0	135 139 146	67.1 S	68.3 S	68.3 S			
112 116 125	37 (30)	60.6 F 14.0	134 140 147	62.6 F 13.5	137 142 149	64.7 F 13.5	65.9 F 146 153	15	65.4 * 13.0	135 139 146	67.1 S	68.3 S	68.3 S			
111 116 124	39 (32)	59.9 F 14.0	133 139 146	61.8 F 14.0	136 141 148	63.9 F 13.5	65.0 F 145 152	20	65.4 * 13.0	135 139 146	67.1 S	68.3 S	68.3 S			
110 115 123	41 (33)	59.2 F 14.0	132 138 145	61.1 F 14.0	136 141 147	63.1 F 13.5	64.3 F 145 151	25	65.3 F 13.0	135 139 146	66.9 F	68.2 S	68.2 S			
109 114 123	43 (35)	58.6 F 14.0	132 137 144	60.5 F 13.5	135 140 146	62.5 F 13.5	63.4 S 144 150	27	65.1 F 13.0	134 139 146	66.7 F 143 150	68.2 F	68.2 S			
109 113 122	45 (37)	57.9 F 14.0	131 137 143	59.8 F 13.5	134 139 146	61.8 F 13.5	62.5 S 143 149	29	64.9 F 13.0	134 139 146	66.5 F 143 150	68.0 F	68.1 S			
108 112 121	47 (39)	57.2 F 14.0	130 136 142	59.1 F 13.5	134 138 145	61.0 F 13.5	61.5 S 141 148	31	64.3 F 13.0	134 138 145	65.8 F 142 149	67.3 S 145 153	67.3 S 145 153			
107 112 120	49 (41)	56.5 F 14.0	130 135 141	58.3 F 13.5	133 137 144	60.2 F 13.5	60.4 S 140 146	33	63.7 * 13.0	133 137 144	65.2 F 141 148	66.4 S 144 152	66.4 S 144 152			
	49	56.0	129 134 14.0	58.0	132 137 143	60.0	136 140 146	35	62.9 * 13.0	132 137 144	64.6 S 141 147	65.5 S 144 150	65.5 S 144 150			
	49	54.0	126 132 14.0	56.0	129 134 141	58.0	133 137 143	37	62.1 * 13.0	132 136 143	63.7 S 140 146	64.6 S 142 149	64.6 S 142 149			
	49	52.0	122 129 14.5	54.0	126 132 138	56.0	130 134 141	39	61.4 * 13.0	131 135 142	62.8 S 139 145	63.7 S 142 148	63.7 S 142 148			
	49	50.0	119 126 15.0	52.0	123 129 135	54.0	127 132 138	41	60.6 * 13.0	130 134 141	62.0 S 138 144	62.8 S 141 147	62.8 S 141 147			
	49	48.0	116 123 15.0	50.0	120 126 133	52.0	123 129 135		60.0	129 133 140	60.0	131 135 142	62.0	135 139 146	62.0	136 139 146
	49	46.0	112 CK 120 15.5	48.0	116 123 130	50.0	120 126 133		58.0	126 131 138	58.0	128 133 140	60.0	132 137 144	60.0	133 137 144
	49	44.0	109 CK 117 CK 16.0	46.0	113 CK 120 128 CK	48.0	117 123 130		56.0	123 128 135	56.0	125 130 137	58.0	130 134 141	58.0	130 134 141
	49	42.0	105 CK 114 CK 16.0	44.0	109 CK 117 CK 125 CK	46.0	114 CK 120 128 CK		54.0	120 127 133	54.0	122 127 135	56.0	126 132 139	56.0	127 132 139
	49	40.0	101 CK 111 CK 16.0	42.0	106 CK 114 CK 122 CK	44.0	110 CK 117 CK 125 CK		52.0	117 123 130	52.0	118 125 132	54.0	123 129 136	54.0	124 129 136

BASED ON 2500 M FROM THR

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

VENICE Tessera 22L BASED ON 2500 M FROM THR

VMCG VRMIN V2MIN	WET FLAP 15						
	OAT °C	WIND (kt)					
		-10	-5	0	10		
115	-10	65.8	130	68.0	68.0	68.0	
117		F	144	F	F	F	
126	(NA)	13.0	151				
115	-5	65.2	129	67.4	68.0	68.0	
117		F	143	F	F	F	
126	(NA)	13.0	151				
115	0	64.6	128	66.8	133	68.0	68.0
117		F	143	F	145	F	F
126	(NA)	13.0	150	12.5	152		
115	5	64.1	128	66.3	132	68.0	68.0
117		F	142	F	145	F	F
126	(NA)	13.0	149	12.5	152		
115	10	63.8	127	66.0	131	68.0	68.0
117		F	142	F	144	F	F
126	(NA)	13.0	149	12.5	151		
115	15	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	20	62.7	125	64.8	129	66.9	133
117		F	140	F	143	F	146
126	(NA)	13.0	148	13.0	150	12.5	153
115	25	62.2	124	64.3	128	66.4	132
117		F	140	F	142	F	145
126	(NA)	13.0	147	13.0	149	12.5	152
115	27	62.0	124	64.1	128	66.2	132
117		F	139	F	142	F	145
126	(NA)	13.0	147	13.0	149	12.5	152
115	29	61.7	124	63.7	128	65.8	132
117		F	139	F	142	F	144
126	(NA)	13.0	146	13.0	149	12.5	151
114	31	61.2	123	63.2	127	65.3	131
117		F	139	F	141	F	144
125	(NA)	13.0	146	13.0	148	12.5	151
113	33	60.7	123	62.7	127	64.7	131
116		F	138	F	141	F	143
124	(NA)	13.0	145	13.0	148	12.5	150
112	35	60.1	123	62.0	126	64.0	130
115		F	137	F	140	F	142
124	(NA)	13.0	144	13.0	147	12.5	149
112	37	59.4	122	61.4	126	63.3	130
115		F	137	F	139	F	142
123	(30)	13.0	144	13.0	146	12.5	148
111	39	58.8	121	60.8	125	62.6	129
114		F	136	F	138	F	141
122	(32)	13.0	143	13.0	145	12.5	148
110	41	58.1	121	60.0	125	61.9	128
113		F	135	F	138	F	140
121	(33)	13.0	142	13.0	144	12.5	147
	41	58.0	120	58.0	121	61.0	127
			135		135		139
		13.0	142	13.0	142	12.5	146
	41	56.0	117	56.0	118	59.0	123
			132		132		136
		13.5	139	13.5	139	13.0	143
	41	54.0	113CK	54.0	114CK	57.0	120
			130		130		134
		13.5	137	13.5	137	13.0	141
	41	52.0	110CK	52.0	110CK	55.0	117
			127		127		131
		14.0	134	14.0	134	13.5	138
	41	50.0	106CK	50.0	107CK	53.0	113CK
			124		124		128
		14.5	131	14.5	131	14.0	135
	41	48.0	102CK	48.0	103CK	51.0	109CK
			121		121		125
		14.5	129	14.5	129	14.0	133
	41	46.0	98CK	46.0	99CK	49.0	106CK
			118		118		122
		15.0	126CK	15.0	126CK	14.5	130

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	50.4	G	59.9	F	62.1	F	63.5	F	15	
-5	48.1	G	59.4	F	61.5	F	62.9	F		
0	NO T/O		57.3	G	61.0	F	62.3	F		
5	NO T/O		54.9	G	60.4	F	61.8	F		
10	NO T/O		52.6	G	60.3	F	61.5	F		
15	NO T/O		50.6	G	59.8	F	61.0	F		
20	NO T/O		48.7	G	59.3	F	60.5	F		
25	NO T/O		NO T/O		58.8	F	60.0	F		
30	NO T/O		NO T/O		58.1	F	59.3	F		
-10	52.3	G	62.5	F	63.3	S	63.3	S	20	
-5	NO T/O		61.9	F	63.3	S	63.3	S		
0	NO T/O		58.9	G	63.3	S	63.3	S		
5	NO T/O		56.4	G	63.2	F	63.3	S		
10	NO T/O		54.3	G	63.0	F	63.3	S		
15	NO T/O		52.3	G	62.4	F	63.3	S		
20	NO T/O		NO T/O		61.9	F	63.3	S		
25	NO T/O		NO T/O		61.4	F	62.7	F		
30	NO T/O		NO T/O		60.6	F	61.9	F		

MAXIMUM LANDING WEIGHT (ton)							
RUNWAY LENGTH LIMITATIONS Runway Length : 8202 ft (2500 m)					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	68.3
						37	67.3
						39	66.3
						41	65.3
For QNH corrections, use values relevant to Go-Around							

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	-90	-110	-80
QNH > 1013 (kg/hPa)	+30	+30	+30	+30	+30
max Δ hPa :	1				

VCE22LR02	05060718	02 Apr 2009
NOTE : MTOW/MLAW (structural) see AOM Vol.2 Chap.1		
ONE ENGINE OUT PROCEDURE :		
- VEN/LOM or CHI-NDB/VOR standard EFP.		

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: 7 ft Length: 9121 ft (2780 m) Slope: 0.00 % Shift: 0 ft (0 m)	Runway 04L	Airport LIPZ - VCE VENICE Tessera
	JT8D-217A A/C : OFF/ON A/I OFF or ENG A/I ON	PTOW (ton) ; V1 (KIAS) LIMIT CODE ; VR (KIAS) PITCH (deg) ; V2 (KIAS)	02 Apr 2009

VMCG VRMIN V2MIN	FLAP 15 DRY								
	OAT °C	W I N D (kt)							
		-10		-5		0		10	
115 117 126	27 (NA)	67.6 F		68.4 S		68.4 S		68.4 S	
115 117 126	29 (NA)	67.3 F		68.4 S		68.4 S		68.4 S	
114 117 125	31 (NA)	66.7 F 12.5	141 145 152	67.5 S		67.5 S		67.5 S	
113 116 124	33 (NA)	66.1 F 12.5	141 145 152	66.7 S 12.5	142 146 152	66.7 S 12.5	142 146 152	66.7 S 12.5	
112 115 124	35 (NA)	65.5 F 12.5	140 144 151	65.9 S 12.5	141 145 151	65.9 S 12.5	141 145 151	65.9 S 12.5	
112 115 123	37 (30)	64.8 F 12.5	140 143 150	64.9 S 12.5	140 144 150	64.9 S 12.5	140 144 150	64.9 S 12.5	
111 114 122	39 (32)	64.1 S 12.5	139 143 149	64.1 S 12.5	139 143 149	64.1 S 12.5	139 143 149	64.1 S 12.5	
110 113 121	41 (33)	63.2 S 12.5	138 142 148	63.2 S 12.5	138 142 148	63.2 S 12.5	138 142 148	63.2 S 12.5	
109 112 121	43 (35)	62.4 S 12.5	137 141 147	62.4 S 12.5	137 141 147	62.4 S 12.5	137 141 147	62.4 S 12.5	
108 112 120	45 (37)	61.5 S 12.5	136 140 146	61.5 S 12.5	136 140 146	61.5 S 12.5	137 140 146	61.5 S 12.5	
107 111 119	47 (39)	60.5 S 12.5	135 139 145	60.5 S 12.5	135 139 145	60.5 S 12.5	136 139 145	60.5 S 12.5	
107 110 118	49 (41)	59.5 S 12.5	134 138 144	59.5 S 12.5	134 138 144	59.5 S 12.5	134 138 144	59.5 S 12.5	
	49	59.0 12.5	133 137 143	59.0 133 143	59.0 133 143	59.0 133 143	59.0 133 143	59.0 134 137 143	
	49	57.0 13.0	130 134 141	57.0 130 141	57.0 130 141	57.0 130 141	57.0 130 141	57.0 131 134 141	
	49	55.0 13.0	126 132 138	55.0 127 138	55.0 127 138	55.0 127 138	55.0 127 138	55.0 127 132 138	
	49	53.0 13.5	123 129 135	53.0 123 135	53.0 123 135	53.0 124 129 135	53.0 124 129 135	53.0 124 129 135	
	49	51.0 13.5	120 126 133	51.0 120 133	51.0 120 133	51.0 120 133	51.0 120 133	51.0 121 126 133	
	49	49.0 14.0	117 123 130	49.0 117 130	49.0 117 130	49.0 117 130	49.0 117 130	49.0 117 123 130	
	49	47.0 14.5	113CK 120 127	47.0 113CK 127	47.0 113CK 127	47.0 114CK 120 127	47.0 114CK 120 127	47.0 114CK 120 127	
	49	45.0 14.5	110CK 117CK 124CK	45.0 110CK 124CK	45.0 110CK 124CK	45.0 110CK 117CK 124CK	45.0 111CK 117CK 124CK	45.0 111CK 117CK 124CK	
	49	43.0 15.0	106CK 114CK 122CK	43.0 106CK 122CK	43.0 106CK 122CK	43.0 107CK 114CK 122CK	43.0 107CK 114CK 122CK	43.0 107CK 114CK 122CK	

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

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 8812 ft (2686 m)					
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 68.3
					37 67.3
					39 66.3
					41 65.3
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 :		
- VEN/LOM or CHI-NDB/VOR standard EFP.		

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL	Elev: 7 ft Length: 9121 ft (2780 m) Slope: 0.00 % Shift: 0 ft (0 m)	Runway 22R	Airport LIPZ - VCE VENICE Tessera
	JT8D-217A A/C : OFF/ON A/I OFF or ENG A/I ON	PTOW (ton) ; V1 (KIAS) LIMIT CODE ; VR (KIAS) PITCH (deg) ; V2 (KIAS)	02 Apr 2009

VMCG VRMIN V2MIN	FLAP 15 DRY				
	OAT °C	W I N D (kt)			
		-10	-5	0	10
115	27	67.3	68.1	68.4	68.4
117		*	*	S	S
126	(NA)				
115	29	67.2	141	68.0	68.4
117		* 146	*	S	S
126	(NA)	12.5 153			
114	31	66.5	141	67.3	142
117		* 145	* 146	S	67.5
125	(NA)	12.5 152	12.5 153		S
113	33	65.7	140	66.6	142
116		* 144	* 145	S	146
124	(NA)	12.5 151	12.5 152	12.5 152	12.5 152
112	35	64.9	139	65.8	141
115		* 143	* 144	S	145
124	(NA)	12.5 150	12.5 151	12.5 151	12.5 151
112	37	64.0	138	64.8	140
115		* 142	* 143	S	144
123	(30)	12.5 149	12.5 150	12.5 150	12.5 150
111	39	63.1	137	63.9	139
114		* 142	* 143	S	143
122	(32)	12.5 148	12.5 149	12.5 149	12.5 149
110	41	62.4	137	63.1	138
113		* 141	* 142	S	142
121	(33)	12.5 147	12.5 148	12.5 148	12.5 148
109	43	61.5	136	62.3	137
112		* 140	* 141	S	141
121	(35)	12.5 146	12.5 147	12.5 147	12.5 147
108	45	60.7	135	61.4	136
112		* 139	* 140	S	140
120	(37)	12.5 145	12.5 146	12.5 146	12.5 146
107	47	59.7	134	60.4	135
111		* 138	* 139	S	139
119	(39)	12.5 144	12.5 145	12.5 145	12.5 145
107	49	58.7	133	59.4	134
110		* 137	* 137	S	138
118	(41)	12.5 143	12.5 144	12.5 144	12.5 144
	49	58.0	131	59.0	133
		136	137	59.0	137
		12.5 142	12.5 143	12.5 143	12.5 143
	49	56.0	128	57.0	130
		133	134	57.0	134
		13.0 139	13.0 141	13.0 141	13.0 141
	49	54.0	125	55.0	127
		130	132	55.0	132
		13.0 137	13.0 138	13.0 138	13.0 138
	49	52.0	122	53.0	124
		127	129	53.0	129
		13.5 134	13.5 135	13.5 135	13.5 135
	49	50.0	118	51.0	120
		125	126	51.0	126
		14.0 131	13.5 133	13.5 133	13.5 133
	49	48.0	115	49.0	117
		122	123	49.0	123
		14.0 129	14.0 130	14.0 130	14.0 130
	49	46.0	111 CK	47.0	114 CK
		119	120	47.0	120
		14.5 126 CK	14.5 127	14.5 127	14.5 127
	49	44.0	108 CK	45.0	110 CK
		115 CK	117 CK	45.0	117 CK
		15.0 123 CK	14.5 124 CK	14.5 124 CK	14.5 124 CK
	49	42.0	104 CK	43.0	106 CK
		112 CK	114 CK	43.0	114 CK
		15.5 120 CK	15.0 122 CK	15.0 122 CK	15.0 122 CK

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 9121 ft (2780 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	68.3
					67.3
					66.3
					65.3
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 :
- VEN/LOM or CHI-NDB/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: 7 ft Length: 10827 ft (3300 m) Slope: 0.00 % Shift: 0 ft (0 m)	Runway 04R	Airport LIPZ - VCE VENICE Tessera
	JT8D-217A A/C : OFF/ON A/I OFF or ENG A/I ON	PTOW (ton) ; V1 (KIAS) LIMIT CODE ; VR (KIAS) PITCH (deg) ; V2 (KIAS)	02 Apr 2009

VMCG VRMIN V2MIN	FLAP 15 DRY									
	OAT °C	W I N D (kt)								
		-10		-5		0		10		
115 117 126	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)	62.4 S	137 141	62.4 S	137 141	62.4 S	137 141	62.4 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	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	
	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 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	

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

MAXIMUM LANDING WEIGHT (ton)					
RUNWAY LENGTH LIMITATIONS				CLIMB LIMIT (Go-Around)	
Runway Length : 10827 ft (3300 m)					
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 68.3
					37 67.3
					39 66.3
					41 65.3
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				

VCE04RR01	05060709	02 Apr 2009
NOTE : MTOW/MLAW (structural) see AOM Vol.2 Chap.1		
ONE ENGINE OUT PROCEDURE :		
- VEN/LOM or CHI-NDB/VOR standard EFP.		

Alitalia Compagnia Aerea Italiana MD80 OPERATIONS MANUAL	Elev: 7 ft Length: 10827 ft (3300 m) Slope: 0.00 % Shift: 0 ft (0 m)	Runway 22L	Airport LIPZ - VCE VENICE Tessera
	JT8D-217A A/C : OFF/ON A/I OFF or ENG A/I ON	PTOW (ton) ; V1 (KIAS) LIMIT CODE ; VR (KIAS) PITCH (deg) ; V2 (KIAS)	02 Apr 2009

VMCG VRMIN V2MIN	FLAP 15 DRY								
	OAT °C	W I N D (kt)							
		-10		-5		0		10	
115 117 126	27 (NA)	67.8 * 	142 	68.4 S 	142 	68.4 S 	142 	68.4 S 	
115 117 126	29 (NA)	67.7 * 	142 	68.4 S 	142 	68.4 S 	142 	68.4 S 	
114 117 125	31 (NA)	67.0 * 12.5	142 146 153	67.5 S 	142 	67.5 S 	142 	67.5 S 	
113 116 124	33 (NA)	66.2 * 12.5	141 145 152	66.7 S 12.5	142 146 152	66.7 S 12.5	142 146 152	66.7 S 12.5	
112 115 124	35 (NA)	65.4 * 12.5	140 144 151	65.9 S 12.5	141 145 151	65.9 S 12.5	141 145 151	65.9 S 12.5	
112 115 123	37 (30)	64.5 * 12.5	139 143 150	64.9 S 12.5	140 144 150	64.9 S 12.5	140 144 150	64.9 S 12.5	
111 114 122	39 (32)	63.6 * 12.5	138 142 149	64.1 S 12.5	139 143 149	64.1 S 12.5	139 143 149	64.1 S 12.5	
110 113 121	41 (33)	62.8 * 12.5	137 141 148	63.2 S 12.5	138 142 148	63.2 S 12.5	138 142 148	63.2 S 12.5	
109 112 121	43 (35)	62.0 * 12.5	136 140 147	62.4 S 12.5	137 141 147	62.4 S 12.5	137 141 147	62.4 S 12.5	
108 112 120	45 (37)	61.1 * 12.5	136 139 146	61.5 S 12.5	136 140 146	61.5 S 12.5	137 140 146	61.5 S 12.5	
107 111 119	47 (39)	60.1 * 12.5	134 138 145	60.5 S 12.5	135 139 145	60.5 S 12.5	136 139 145	60.5 S 12.5	
107 110 118	49 (41)	59.1 * 12.5	133 137 143	59.5 S 12.5	134 138 144	59.5 S 12.5	134 138 144	59.5 S 12.5	
	49	59.0 12.5	133 137 143	59.0 137 143	133 137 143	59.0 137 143	133 137 143	59.0 137 143	
	49	57.0 13.0	130 134 141	57.0 130 134 141	130 134 141	57.0 130 134 141	130 134 141	57.0 131 134 141	
	49	55.0 13.0	126 132 138	55.0 127 132 138	127 132 138	55.0 127 132 138	127 132 138	55.0 127 132 138	
	49	53.0 13.5	123 129 135	53.0 123 129 135	123 129 135	53.0 124 129 135	124 129 135	53.0 124 129 135	
	49	51.0 13.5	120 126 133	51.0 120 126 133	120 126 133	51.0 120 126 133	120 126 133	51.0 121 126 133	
	49	49.0 14.0	117 123 130	49.0 117 123 130	117 123 130	49.0 117 123 130	117 123 130	49.0 117 123 130	
	49	47.0 14.5	113CK 120 127	47.0 113CK 120 127	114CK 120 127	47.0 114CK 120 127	114CK 120 127	47.0 114CK 120 127	
	49	45.0 14.5	110CK 117CK 124CK	45.0 110CK 117CK 124CK	110CK 117CK 124CK	45.0 110CK 117CK 124CK	111CK 117CK 124CK	45.0 111CK 117CK 124CK	
	49	43.0 15.0	106CK 114CK 122CK	43.0 106CK 114CK 122CK	107CK 114CK 122CK	43.0 107CK 114CK 122CK	107CK 114CK 122CK	43.0 107CK 114CK 122CK	

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

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

ONE ENGINE OUT PROCEDURE :

- VEN/LOM or CHI-NDB/VOR standard EFP.