

For Flight Simulator use

**TAKEOFF
And
LANDING SPEEDS**

DC-9-41

LANDING		AIRCOND ARMED	52 t	
FL		< 250	250-290	>290
V _{HOLD}		232	242	252
V _P	Clean..	232	GO-AROUND	
	0	190	V ₂ 5	153
	5	179	V _{FI} up	160
	15	164	V _{SI} in	185
	25	159	V _{Clean}	214
V _A	25	150		
FLAPS		50°	40°	25°
V _A		142	147	150
V _{TH}		137	142	148

DC-9-41

TAKEOFF		52 t	
FLAPS	0°	5°	
V ₁ ... {	158	143	
	153	139	
V _R ...	161	146	
V ₂ ...	167	153	
V _{FI} up 160			
V _{SI} in 185			
V _{Clean} 214			
CLIMB SPEED.....290 / 0.74			

DC-9-41

LANDING		AIRCOND ARMED	51 t	
FL		< 250	250-290	>290
V _{HOLD}		230	240	250
V _P	Clean..	230	GO-AROUND	
	0	188	V ₂ 5	152
	5	177	V _{FI} up	158
	15	163	V _{SI} in	183
	25	157	V _{Clean}	212
V _A	25	149		
FLAPS		50°	40°	25°
V _A		141	146	149
V _{TH}		136	141	147

DC-9-41

TAKEOFF		51 t	
FLAPS	0°	5°	
V ₁ ... {	156	142	
	153	138	
V _R ...	160	144	
V ₂ ...	166	152	
V _{FI} up 158			
V _{SI} in 183			
V _{Clean} 212			
CLIMB SPEED.....288 / 0.74			

DC-9-41

LANDING		AIRCOND ARMED	50 t	
FL		< 250	250-290	>290
V _{HOLD}		227	237	247
V _P	Clean..	227	GO-AROUND	
	0	187	V ₂ 5	150
	5	175	V _{FI} up	157
	15	161	V _{SI} in	182
	25	156	V _{Clean}	210
V _A	25	147		
FLAPS		50°	40°	25°
V _A		140	144	147
V _{TH}		135	139	145

DC-9-41

TAKEOFF		50 t	
FLAPS	0°	5°	
V₁ ... {	154	140	
	151	136	
V_R ...	158	143	
V₂ ...	164	150	
V_{FI} up 157			
V_{SI} in 182			
V_{Clean} 210			
CLIMB SPEED.....286 / 0.74			

DC-9-41

LANDING		AIRCOND ARMED	49 t	
FL		< 250	250-290	>290
V _{HOLD}		225	235	245
V _P	Clean..	225	GO-AROUND	
	0	185	V ₂ 5	149
	5	174	V _{FI} up	156
	15	159	V _{SI} in	181
	25	154	V _{Clean}	208
V _A	25	145		
FLAPS		50°	40°	25°
V _A		138	143	145
V _{TH}		133	138	144

DC-9-41

TAKEOFF		49 t	
FLAPS	0°	5°	15°
V₁ ... {	152	138	128
	149	134	123
V_R ...	156	141	132
V₂ ...	132	149	139
V_{FI} up 156			
V_{SI} in 181			
V_{Clean} 208			
CLIMB SPEED.....285 / 0.74			

DC-9-41

LANDING		AIRCOND ARMED	48 t	
FL		< 250	250-290	>290
V _{HOLD}		223	233	243
V _P	Clean..	223	GO-AROUND	
	0	184	V ₂ 5	148
	5	172	V _{FI} up	154
	15	158	V _{SI} in	179
	25	152	V _{Clean}	206
V _A	25	144		
FLAPS		50°	40°	25°
V _A		137	142	144
V _{TH}		132	137	142

DC-9-41

TAKEOFF		48 t	
FLAPS	0°	5°	15°
V₁ ... {	150	137	127
	147	133	122
V_R ...	155	140	130
V₂ ...	161	148	137
V_{FI} up 154			
V_{SI} in 179			
V_{Clean} 206			
CLIMB SPEED.....283 / 0.73			

DC-9-41

LANDING		AIRCOND ARMED	47 t	
FL		< 250	250-290	>290
V _{HOLD}		220	230	240
V _P	Clean..	220	GO-AROUND	
	0	182	V ₂ 5	146
	5	170	V _{FI} up	153
	15	156	V _{SI} in	178
	25	151	V _{Clean}	203
V _A	25	142		
FLAPS		50°	40°	25°
V _A		135	140	142
V _{TH}		130	135	141

DC-9-41

TAKEOFF		47 t	
FLAPS	0°	5°	15°
V₁ ... {	148	135	125
	145	131	120
V_R ...	153	138	129
V₂ ...	159	149	136
V_{FI} up 153			
V_{SI} in 178			
V_{Clean} 203			
CLIMB SPEED.....282 / 0.73			

DC-9-41

LANDING			46 t
FL	< 250	250-290	>290
V _{HOLD}	218	228	238
V _P	Clean.. 218	GO-AROUND	
	0180	V ₂ 5	145
	5168	V _{FI} up	151
	15154	V _{SI} in	176
	25149	V _{Clean}	201
V _A	25140		
FLAPS	50°	40°	25°
V _A	134	139	140
V _{TH}	129	134	139

DC-9-41

TAKEOFF			46 t
FLAPS	0°	5°	15°
V ₁ ... {	147	133	123
	144	129	118
V _R ...	151	137	128
V ₂ ...	158	145	135
V _{FI} up 151			
V _{SI} in 176			
V _{Clean} 201			
CLIMB SPEED.....281 / 0.73			

DC-9-41

LANDING			45 t
FL	< 250	250-290	>290
V _{HOLD}	215	225	235
V _P	Clean.. 215	GO-AROUND	
	0178	V ₂ 5	143
	5166	V _{FI} up	150
	15152	V _{SI} in	175
	25148	V _{Clean}	199
V _A	25139		
FLAPS	50°	40°	25°
V _A	133	138	139
V _{TH}	128	133	138

DC-9-41

TAKEOFF			45 t
FLAPS	0°	5°	15°
V ₁ ... {	145	131	122
	142	127	117
V _R ...	149	135	126
V ₂ ...	156	143	134
V _{FI} up 150			
V _{SI} in 175			
V _{Clean} 199			
CLIMB SPEED.....279 / 0.72			

DC-9-41

LANDING			44 t
FL	< 250	250-290	>290
V _{HOLD}	213	223	233
V _P	Clean.. 213	GO-AROUND	
	0176	V ₂ 5	142
	5164	V _{FI} up	148
	15151	V _{SI} in	173
	25146	V _{Clean}	197
V _A	25137		
FLAPS	50°	40°	25°
V _A	131	136	137
V _{TH}	126	131	136

DC-9-41

TAKEOFF		44 t	
FLAPS	0°	5°	15°
V ₁ ... {		129	120
		125	115
V _R ...		133	125
V ₂ ...	155	142	132
V _{FI} up		148	
V _{SI} in		173	
V _{Clean}		197	
CLIMB SPEED.....278 / 0.72			

DC-9-41

LANDING			43 t
FL	< 250	250-290	>290
V _{HOLD}	211	221	231
V _P	Clean.. 211	GO-AROUND	
	0174	V ₂ 5	140
	5162	V _{FI} up	147
	15149	V _{SI} in	172
	25144	V _{Clean}	194
V _A	25136		
FLAPS	50°	40°	25°
V _A	130	135	136
V _{TH}	125	130	135

DC-9-41

TAKEOFF		43 t	
FLAPS	0°	5°	15°
V ₁ ... {		128	118
		124	113
V _R ...		132	123
V ₂ ...	153	140	131
V _{FI} up		147	
V _{SI} in		172	
V _{Clean}		194	
CLIMB SPEED.....276 / 0.72			

DC-9-41

LANDING			42 t
FL	< 250	250-290	>290
V _{HOLD}	208	218	228
V _P	Clean.. 208	GO-AROUND	
	0172	V ₂ 5 139	
	5160	V _{FI} up 145	
	15147	V _{SI} in 170	
	25143	V _{Clean} 192	
V _A	25134		
FLAPS	50°	40°	25°
V _A	128	133	134
V _{TH}	123	128	133

DC-9-41

TAKEOFF			42 t
FLAPS	0°	5°	15°
V ₁ ... {		126	116
		122	111
V _R ...		130	122
V ₂ ...	151	139	129
V _{FI} up 145			
V _{SI} in 170			
V _{Clean} 192			
CLIMB SPEED.....274 / 0.71			

DC-9-41

LANDING			41 t
FL	< 250	250-290	>290
V _{HOLD}	206	216	226
V _P	Clean.. 206	GO-AROUND	
	0170	V ₂ 5 137	
	5158	V _{FI} up 144	
	15145	V _{SI} in 169	
	25141	V _{Clean} 190	
V _A	25132		
FLAPS	50°	40°	25°
V _A	127	132	132
V _{TH}	122	127	131

DC-9-41

TAKEOFF			41 t
FLAPS	0°	5°	15°
V ₁ ... {		124	115
		120	110
V _R ...		128	120
V ₂ ...	150	137	128
V _{FI} up 144			
V _{SI} in 169			
V _{Clean} 190			
CLIMB SPEED.....273 / 0.71			

DC-9-41

LANDING			40 t
FL	< 250	250-290	>290
V _{HOLD}	203	213	223
V _P	Clean.. 203	GO-AROUND	
	0168	V ₂ 5	136
	5157	V _{FI} up	142
	15144	V _{SI} in	167
	25139	V _{Clean}	188
V _A	25131		
FLAPS	50°	40°	25°
V _A	125	130	131
V _{TH}	120	125	129

DC-9-41

TAKEOFF			40 t
FLAPS	0°	5°	15°
V ₁ ... {		122	113
		118	108
V _R ...		126	118
V ₂ ...	148	136	127
V _{FI} up 142			
V _{SI} in 167			
V _{Clean} 188			
CLIMB SPEED.....271 / 0.71			

DC-9-41

LANDING			39 t
FL	< 250	250-290	>290
V _{HOLD}	201	211	221
V _P	Clean.. 201	GO-AROUND	
	0166	V ₂ 5	134
	5155	V _{FI} up	140
	15142	V _{SI} in	165
	25138	V _{Clean}	186
V _A	25129		
FLAPS	50°	40°	25°
V _A	124	129	129
V _{TH}	119	124	128

DC-9-41

TAKEOFF			39 t
FLAPS	0°	5°	15°
V ₁ ... {		120	111
		116	106
V _R ...		125	117
V ₂ ...	146	134	125
V _{FI} up 140			
V _{SI} in 165			
V _{Clean} 186			
CLIMB SPEED.....270 / 0.70			

DC-9-41

LANDING			38 t
FL	< 250	250-290	>290
V _{HOLD}	198	208	218
V _P	Clean.. 198	GO-AROUND	
	0164	V ₂ 5	132
	5153	V _{FI} up	139
	15140	V _{SI} in	164
	25136	V _{Clean}	183
V _A	25128		
FLAPS	50°	40°	25°
V _A	122	127	128
V _{TH}	117	122	126

DC-9-41

TAKEOFF			38 t
FLAPS	0°	5°	15°
V ₁ ... {		118	109
		116	104
V _R ...		123	115
V ₂ ...	144	132	124
V _{FI} up 139			
V _{SI} in 164			
V _{Clean} 183			
CLIMB SPEED.....268 / 0.70			

DC-9-41

LANDING			37 t
FL	< 250	250-290	>290
V _{HOLD}	195	205	215
V _P	Clean.. 195	GO-AROUND	
	0161	V ₂ 5	131
	5150	V _{FI} up	137
	15138	V _{SI} in	162
	25134	V _{Clean}	181
V _A	25126		
FLAPS	50°	40°	25°
V _A	121	125	126
V _{TH}	116	120	124

DC-9-41

TAKEOFF			37 t
FLAPS	0°	5°	15°
V ₁ ... {		116	107
		116	103
V _R ...		121	113
V ₂ ...	143	131	122
V _{FI} up 137			
V _{SI} in 162			
V _{Clean} 181			
CLIMB SPEED.....266 / 0.70			

DC-9-41

LANDING			36 t
FL	< 250	250-290	>290
V _{HOLD}	192	202	212
V _P	Clean.. 192	GO-AROUND	
	0159	V ₂ 5	129
	5148	V _{FI} up	135
	15136	V _{SI} in	160
	25132	V _{Clean}	178
V _A	25124		
FLAPS	50°	40°	25°
V _A	119	124	124
V _{TH}	114	119	123

DC-9-41

TAKEOFF			36 t
FLAPS	0°	5°	15°
V ₁ ... {		116	106
		116	103
V _R ...		119	111
V ₂ ...	141	129	121
V _{FI} up 135			
V _{SI} in 160			
V _{Clean} 178			
CLIMB SPEED.....265 / 0.70			

DC-9-41

LANDING			35 t
FL	< 250	250-290	>290
V _{HOLD}	190	200	210
V _P	Clean.. 190	GO-AROUND	
	0157	V ₂ 5	128
	5146	V _{FI} up	134
	15134	V _{SI} in	159
	25130	V _{Clean}	176
V _A	25123		
FLAPS	50°	40°	25°
V _A	118	122	123
V _{TH}	113	117	121

DC-9-41

TAKEOFF			35 t
FLAPS	0°	5°	15°
V ₁ ... {		116	104
		116	103
V _R ...		117	110
V ₂ ...	139	128	119
V _{FI} up 134			
V _{SI} in 159			
V _{Clean} 176			
CLIMB SPEED.....263 / 0.70			

DC-9-41

LANDING			34 t
FL	< 250	250-290	>290
V _{HOLD}	188	198	208
V _P	Clean.. 188	GO-AROUND	
	0155	V ₂ 5	126
	5144	V _{FI} up	132
	15132	V _{SI} in	157
	25128	V _{Clean}	174
V _A	25121		
FLAPS	50°	40°	25°
V _A	116	120	121
V _{TH}	111	115	119

DC-9-41

TAKEOFF		34 t	
FLAPS	0°	5°	15°
V ₁ ... {		116	103
		116	103
V _R ...		116	108
V ₂ ...	137	126	118
V _{FI} up		132	
V _{SI} in		157	
V _{Clean}		174	
CLIMB SPEED.....262 / 0.70			

DC-9-41

LANDING			33 t
FL	< 250	250-290	>290
V _{HOLD}	185	195	205
V _P	Clean.. 185	GO-AROUND	
	0153	V ₂ 5	124
	5142	V _{FI} up	130
	15130	V _{SI} in	155
	25126	V _{Clean}	171
V _A	25119		
FLAPS	50°	40°	25°
V _A	114	119	119
V _{TH}	109	114	118

DC-9-41

TAKEOFF		33 t	
FLAPS	0°	5°	15°
V ₁ ... {		116	103
		116	103
V _R ...		116	106
V ₂ ...	136	124	116
V _{FI} up 130			
V _{SI} in 155			
V _{Clean} 171			
CLIMB SPEED.....260 / 0.70			

DC-9-41

LANDING			32 t
FL	< 250	250-290	>290
V _{HOLD}	183	193	203
V _P	Clean.. 183	GO-AROUND	
	0151	V ₂ 5	123
	5140	V _{FI} up	128
	15128	V _{SI} in	153
	25124	V _{Clean}	169
V _A	25118		
FLAPS	50°	40°	25°
V _A	113	117	118
V _{TH}	108	112	116

DC-9-41

TAKEOFF			32 t
FLAPS	0°	5°	15°
V ₁ ... {		116	103
		116	103
V _R ...		116	104
V ₂ ...	134	123	115
V _{FI} up 128			
V _{SI} in 153			
V _{Clean} 169			
CLIMB SPEED.....258 / 0.70			

DC-9-41

LANDING			31 t
FL	< 250	250-290	>290
V _{HOLD}	180	190	200
V _P	Clean.. 180	GO-AROUND	
	0148	V ₂ 5	121
	5138	V _{FI} up	126
	15126	V _{SI} in	151
	25123	V _{Clean}	166
V _A	25116		
FLAPS	50°	40°	25°
V _A	111	115	116
V _{TH}	106	110	114

DC-9-41

TAKEOFF			31 t
FLAPS	0°	5°	15°
V ₁ ... {		116	103
		116	103
V _R ...		116	103
V ₂ ...	132	121	113
V _{FI} up 126			
V _{SI} in 151			
V _{Clean} 166			
CLIMB SPEED.....257 / 0.70			

DC-9-41

LANDING			30 t	
FL		< 250	250-290	>290
V _{HOLD}		178	188	198
V _P	Clean..	178	GO-AROUND	
	0	146	V ₂ 5	119
	5	136	V _{FI} up	125
	15	124	V _{SI} in	150
	25	121	V _{Clean}	164
V _A	25	115		
FLAPS		50°	40°	25°
V _A		110	113	115
V _{TH}		105	108	113

DC-9-41

TAKEOFF		30 t	
FLAPS	0°	5°	15°
V ₁ ... {		116	103
		116	103
		116	103
V _R ...		116	103
V ₂ ...	130	119	112
V _{FI} up 125			
V _{SI} in 150			
V _{Clean} 164			
CLIMB SPEED.....255 / 0.70			