

MODEL SCALE "K" FACTOR	SQUARE ROOT FACTOR	FULL-SIZE SPEED & MODEL DYNAMIC SIMILITUDE SPEED IN MPH FIRST-ROW SPEEDS BELOW ARE THOSE OF FULL-SIZE										
1/1	1.000	75	100	125	150	200	250	300	350	400	450	
1/2	0.707	53	71	88	106	142	177	212	247	283	318	
1/3	0.577	43	58	72	87	115	144	173	202	231	260	
1/4	0.500	38	50	63	75	100	125	150	175	200	225	
1/5	0.447	34	45	56	67	89	112	134	156	179	201	
1/6	0.408	31	41	51	61	82	102	122	143	163	184	
1/7	0.378	28	38	47	57	76	95	113	132	151	170	
1/8	0.353	27	35	44	53	71	88	106	124	141	159	
1/9	0.333	25	33	42	50	67	83	100	117	133	150	
1/10	0.316	24	32	40	47	63	79	95	111	126	142	
1/12	0.289	22	29	36	43	58	72	87	101	116	130	
1/16	0.250	19	25	31	38	50	63	75	86	100	113	
TYPICAL AIR SHOW MANEUVER SPEEDS: TYPICAL AIRCRAFT:		▲ ▲ ▲ ↑										
		LOW	MODERATE			HIGH			VERY HIGH			
		WW-I	GENERAL AV.			WW-II			JETS			