



DA-40-180 DIAMOND STAR
HB-SDJ

01.01.2012

SPEED SUMMARY

		2535 lbs 1150 kg max TOW	2400 lbs 1092 kg max LW	2205 lbs 1000 kg	1870 lbs 850 kgs
V_{best glide}	best glide flaps UP	73	71	68	60
V _s	stall flaps UP	52	50	47	42
V _{s0}	stall flaps T/O	51	48	44	37
V _{s0}	stall flaps LDG	49	46	42	35
V _r flaps T/O	rotate flaps T/O	59	59	59	59
V _{x/y} flaps T/O	best angle/rate flaps T/O	66	63	60	54
V _y flaps 0°	best rate flaps UP	73	71	68	60
V _{cruise clb}	cruise climb	90	90	90	90
V _a	maneuvering speed	108	108	94	94
V _{fe} T/O	max. flaps T/O extended	108	108	108	108
V _{fe} LDG	max. flaps LDG extended	91	91	91	91
V _{app} flaps 0°	final app flaps UP	73	71	68	60
V _{app} flaps T/O	final app flaps T/O	72	70	66	59
V _{app} flaps LDG	final app flaps LDG	71	67	63	58

Max. crosswind-component: 20 kt