ULM propeller noise comparison

45 aircraft / engine / propeller combinations recorded from DAeC (Germany) and DULV certification sheets, restricted to propellers explicitly certified as **adjustable in flight** (constant-speed) — ground-adjustable and fixed-pitch propellers are excluded, for a fair like-for-like comparison. **E-Props GLORIEUSE** — E-Props' only in-flight variable-pitch line — is shown against constant-speed propellers from MT-Propeller, Neuform, Woodcomp, DUC and Alisport.

Overview In-flight variable-pitch propellers only — ground-adjustable and fixed-pitch propellers excluded

E-PROPS GLORIEUSE

63.4 dB(A)

min 58 · max 69.8

25 measurements — in-flight variable pitch — E-Props' only constant-speed line

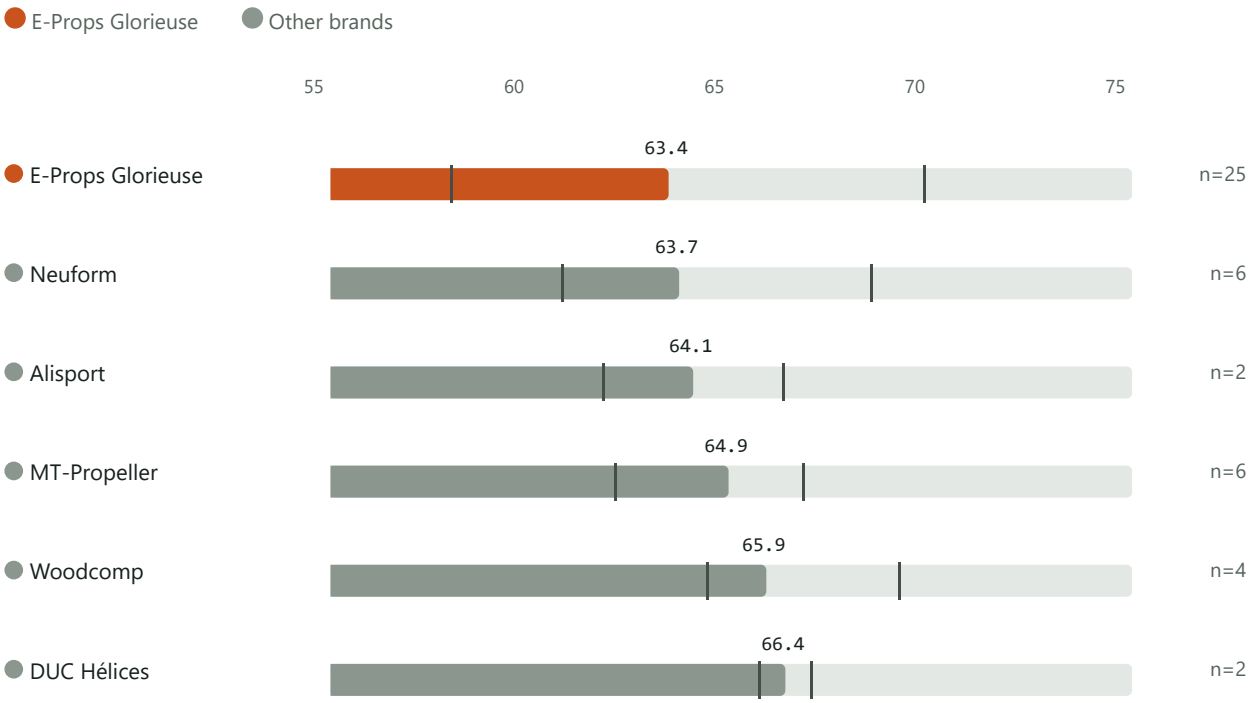
OTHER BRANDS

64.8 dB(A)

min 60.8 · max 69.2

20 measurements — constant-speed props from DUC, MT-Propeller, Neuform, Woodcomp, Alisport

Average noise by brand / model Vertical tick = observed minimum–maximum · bar = average · sorted from quietest to loudest



Detail of the 45 measurements Sorted by aircraft name

Aircraft	Engine	Propeller brand	Model	Blades	Ø (m)	dB(A)	Sheet
A32	Rotax 912 S/ULS/FR	E-Props	Glorieuse GLOR-3-175-C8-T	3	1.75	**69.81**	DULV 978-21 3
A32	Rotax 912 iS/iSc Sport	E-Props	Glorieuse GLOR-3-175-C8-T	3	1.75	**69.81**	DULV 986-21 2
BLACKWING BW635FG	Rotax 915 iS/iSC	E-Props	Glorieuse 3	3	1.7	**60.7**	DULV 960-18 12
BLACKWING BW635RG	Rotax 915 iS/iSC	E-Props	Glorieuse 3	3	1.7	**60.7**	DULV 960-18 11
BLACKWING BW650	Rotax 916 iS	E-Props	Glorieuse 3	3	1.7	**62.5**	DULV 960-18 13
BW650SW	Rotax 916 iS	E-Props	Glorieuse 3	3	1.7	**62.5**	DULV 1018-25 1
Belmont DW210 RG	Rotax 914 UL	E-Props	Glorieuse GLOR-3-170-C8-T	3	1.7	**58.01**	DULV 1005-23 5
Breezer Sport	Rotax 912 ULS	Neuform	TXR2-V-70-R2	2	1.7	**68.5**	DAeC 66250
Breezer Sport	Rotax 915 iS/iSC	Neuform	TXR2-V-70-R2	2	1.7	**62**	DAeC 66250
Breezer Sport	Rotax 915 iS/iSC	E-Prop	Glorieuse GLR-3-175-C9-T	3	1.75	**59.3**	DAeC 66250
Breezer Sport	Rotax 916 iS/iSC	MT-Propeller	MTV-34-1-R/175-200	3	1.75	**62.3**	DAeC 66250
Breezer Sport	Rotax 916 iS/iSC	DUC	Tigerblack-R	4	1.66	**65.7**	DAeC 66250
Breezer Sport	Rotax 916 iS/iSC	E-Prop	Glorieuse GLR-3-175-C9-T	3	1.75	**61.6**	DAeC 66250
Bristell LSA / LSA-K	Rotax 912 S/ULS	MT-Propeller	MTV-34-1-A/175-200	3	1.75	**66.8**	DAeC 66253
Bristell LSA / LSA-K	Rotax 912 S/ULS	Neuform	CR3-V-70-R2	3	1.7	**64.4**	DAeC 66253
Bristell LSA / LSA-K	Rotax 912 iS/iS Sport	MT-Propeller	MTV-34-1-A/175-200	3	1.75	**66.8**	DAeC 66253
Bristell LSA / LSA-K	Rotax 912 iS/iS Sport	Neuform	CR3-V-70-R2	3	1.7	**64.4**	DAeC 66253
Bristell LSA / LSA-K	Rotax 915 iS	MT-Propeller	MTV-34-1-A/175-200	3	1.75	**62.1**	DAeC 66253
Bristell LSA / LSA-K	Rotax 915 iS	E-Prop	Glorieuse GLOR-3-175-C8/C9-T	3	1.75	**58.3**	DAeC 66253
Bristell LSA / LSA-K	Rotax 916 iS	MT-Propeller	MTV-34-1-R/175-200	3	1.75	**65.2**	DAeC 66253
Bristell LSA / LSA-K	Rotax 916 iS	E-Prop	Glorieuse GLOR-3-175-C8/C9-T	3	1.75	**61.3**	DAeC 66253
FM250 Vampire 600	Rotax 914 Turbo	Woodcomp	SR 3000 - 2WN	2	1.73	**65.2**	DAeC 66262
G70	Rotax 912 iS/iSc Sport	E-Props	Glorieuse	3	1.75	**64.2**	DULV 957-18 12
G70	Rotax 912 S/ULS/FR	E-Props	Glorieuse	3	1.75	**64.2**	DULV 957-18 13
G70	Rotax 914 UL	E-Props	Glorieuse GLOR-3-175-C8-T	3	1.75	**69.2**	DULV 957-18 14
G70 TD	Rotax 912 iS	E-Props	Glorieuse	3	1.75	**64.2**	DULV 1014-25 1
G70 TD	Rotax 912 ULS	E-Props	Glorieuse	3	1.75	**64.2**	DULV 1014-25 2
Ikarus C42 C/CS	Rotax 912 iS/iSc Sport	MT-Propeller	MTV-34-1-A/175-202	3	1.75	**66.4**	DAeC 66141.7
Ikarus C42 C/CS	Rotax 912 S/ULS	Neuform	CR3-V-80-R2-ECS/H	3	1.8	**60.8**	DAeC 66141.7
M8 Eagle	Rotax 914 UL	E-Props	Glorieuse GLOR-3-175-C8-T	3	1.75	**63.7**	DULV 1007-23 2
Pioneer 300 / 300 Griffon	Rotax 912 ULS/ULS2	Alisport	AVY-2 HS High Speed	2	1.77	**66.3**	DAeC 66187
Pioneer 300 / 300 Griffon	Rotax 912 ULS/ULS2	Woodcomp	KW-20W	2	1.7	**64.4**	DAeC 66187
Pioneer 300 / 300 Griffon	Rotax 912 iS/iSc Sport	DUC	Swirl Black 3	3	1.73	**67**	DAeC 66187
Pioneer 300 / 300 Griffon	Rotax 912 iS/iSc Sport	E-Props	Glorieuse-3-175-C8-T	3	1.7	**68.9**	DAeC 66187
Pioneer 300 / 300 Griffon	Rotax 915 iS3 A	Alisport	AVY-2 HS High Speed	2	1.77	**61.8**	DAeC 66187

Aircraft	Engine	Propeller brand	Model	Blades	Ø (m)	dB(A)	Sheet
Pioneer 300 / 300 Griffon	Rotax 915 iS3 A	E-Props	Glorieuse-3-175-C8-T	3	1.75	**59.5**	DAeC 66187
Prime BS100	Rotax 915 iS	E-Props	Glorieuse	3	1.75	**64.5**	DULV 883-12 4
SD4 Viper	Rotax 912 S2/ULS2	Neuform	CR3-V-70-(IP)-R2-ECS-M	3	1.7	**62.1**	DAeC 66220
SHARK 600 T	EP914Ti_Gen2	E-Props	Glorieuse 3	3	1.7	**68.1**	DULV 1028-26 1
Savannah SR	Rotax 912 S/ULS	E-Props	Glorieuse GLOR-3-175-C8-T	3	1.75	**68.5**	DAeC 66170
Skyleader 600 (JA600)	Rotax 912 S/ULS	Woodcomp	SR 3000	3	1.7	**69.2**	DAeC 66256
Skyleader 600 (JA600)	Rotax 912 S/ULS	Woodcomp	SR 3000 / 3 BNM	3	1.75	**64.7**	DAeC 66256
TL-96 (via EMZ, on DAeC 61174.1)	Rotax 912 S/ULS	E-Props	Glorieuse GLOR-3-180-C8-T	3	1.8	**59.6**	DULV-EMZ 47
WT9 600 NG FG	Rotax 916 iS	E-Props	Glorieuse GLOR-3-175-C9-T	3	1.75	**61.3**	DULV 993-22 3
WT9 600 NG RG	Rotax 916 iS	E-Props	Glorieuse GLOR-3-175-C9-T	3	1.75	**61.3**	DULV 994-22 3

Source: 47 ULM certification sheets — DAeC (Luftsportgeräte-Büro) and DULV (Deutscher Ultraleichtflugverband) Gerätekennblätter, reviewed as supplied. Noise figure taken exactly as stated on each sheet (“Geräuschpegel” / “Korrigierter Schallpegel” / “Lärmwert”).
Comparison compiled internally for E-Props — source sheets last updated: 2026.