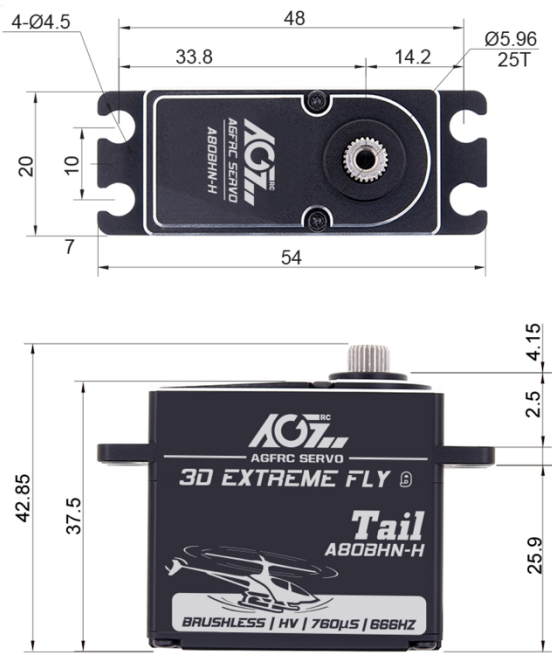


A80BHN-H Tail

Control System	Pulse width modulation control		
Refresh Rate	666Hz		
Neutral Position	760μS		
Signal Mode	Digital		
Dead band	2 μSec		
Operating Voltage	4.8V ~ 8.4V		
Operating Temperature	-15C° ~ +70C°		
Bearing	3BB		
Mechanical Angle	220°		
Size	40*20*37.5mm		
Net Weight	79g		
Wire	TYU 300mm / 22AWG		
Operating Travel	90°±5°		
Signal Range	452 to 1072 μSec		
Stall Torque	12 kg-cm (167 oz-in) @ 4.8V 15 kg-cm (208 oz-in) @ 6.0V 19 kg-cm (264 oz-in) @ 7.4V 22 kg-cm (306 oz-in) @ 8.4V	Unload Current	280mA @ 4.8V 310mA @ 6.0V 360mA @ 7.4V 400mA @ 8.4V
Operating Speed	0.081sec/ 60° @ 4.8V 0.073sec/60° @ 6.0V 0.062sec/60° @ 7.4V 0.055sec/60° @ 8.4V	Loading Current	3600mA @ 4.8V 4000mA @ 6.0V 4300mA @ 7.4V 4600mA @ 8.4V
Direction	☒ CCW ☐ CW		
Waterproof Level	☐ IP65 ☐ IP67		
Angle Sensor	☒ Potentiometer ☐ Magnet Angle Sensor		
Motor Type	☒ Brushless ☐ Coreless ☐ DC		
Motor Drive	☒ FET Drive ☐ IC Drive ☐ Transistor Drive		
Programmable	☐ Yes ☒ No		
Gear Material	☒ Strength Steel ☒ Titanium ☐ Copper ☐ Plastic		
Horn Gear Spline	☒ 25T-φ5.92mm ☐ 25T-φ4.94mm ☐ Other _____		
Case Material	☒ AL6061T6 ☐ Aluminum + Plastic ☐ Plastic		
Bearing Material	☒ Metal ☐ Plastic		
Horn Accessories	☐ AL6061T6 ☒ Plastic		
Wire Color	Negative: ☒ Black ☐ Brown Positive: ☒ Black ☐ Red Signal: ☒ Grey ☐ White ☐ Orange		