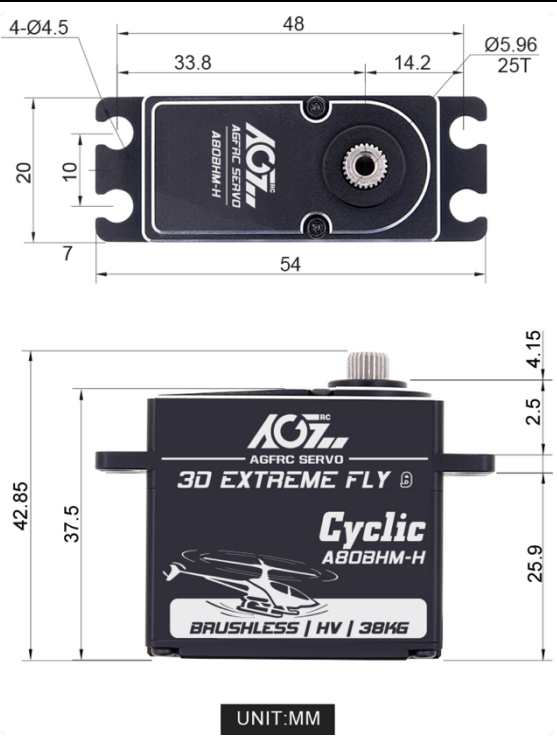


A80BHM-H Cyclic

Control System	Pulse width modulation control		
Refresh Rate	333Hz		
Neutral Position	1520μS		
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	180°±10°		
Signal Range	500 to 2500 μSec		
Stall Torque	23 kg-cm (320 oz-in) @ 4.8V 29 kg-cm (403 oz-in) @ 6.0V 34 kg-cm (473 oz-in) @ 7.4V 38 kg-cm (528 oz-in) @ 8.4V	Unload Current	280mA @ 4.8V 300mA @ 6.0V 350mA @ 7.4V 400mA @ 8.4V
Operating Speed	0.145sec/ 60° @ 4.8V 0.120sec/60° @ 6.0V 0.100sec/60° @ 7.4V 0.085sec/60° @ 8.4V	Loading Current	3500mA @ 4.8V 4300mA @ 6.0V 5000mA @ 7.4V 5800mA @ 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		