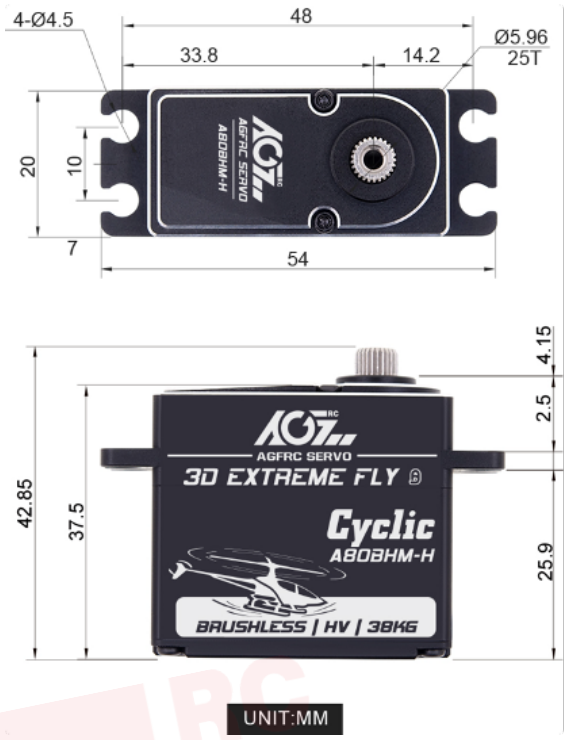
PRODUCT SPECIFICATION

A80BHMH Cyclic

Control System	PWM
Refresh Rate	333 Hz
Neutral Position	1520 µSec
Signal Mode	Digital
Dead band	2 µSec
Operating Voltage	4.8V ~ 8.4V
Operating Temp.	-15°C ~ +70°C
Bearing	3BB
Mechanical Angle	220°
Dimension	40 x 20 x 37.5 mm
Net Weight	79 g
Connector / Cable	TYU 300mm / 22AWG
Operating Travel	180° ± 10°
Signal Range	500 to 2500 µSec



Operating Speed	**Stall Torque**	**Unload Current**	**Loading Current**
0.145 sec/60° @ 4.8V	23 kg-cm (320 oz-in) @ 4.8V	280mA @ 4.8V	3500mA @ 4.8V
0.120 sec/60° @ 6.0V	29 kg-cm (403 oz-in) @ 6.0V	300mA @ 6.0V	4300mA @ 6.0V
0.100 sec/60° @ 7.4V	34 kg-cm (473 oz-in) @ 7.4V	350mA @ 7.4V	5000mA @ 7.4V
0.085 sec/60° @ 8.4V	38 kg-cm (528 oz-in) @ 8.4V	400mA @ 8.4V	5800mA @ 8.4V

Direction	CCW	**Motor Type**	Brushless
Waterproof Level	/	**Angle Sensor**	Potentiometer
Programmable	Yes	**Motor Drive**	FET Drive
Gear Material	Strength Steel	**Horn Gear Spline**	25T-Ø5.92mm
Case Material	Aluminum	**Bearing Material**	Metal

Wire Color (- + S) Negative: Black Positive: Black Signal: Grey

Default Accessories

① 1 pc x 25T-Ø5.92mm L=45mm Plastic Horn
② 1 pc x 25T-Ø5.92mm L=40.3mm Plastic Horn
③ 1 pc x 25T-Ø5.92mm L=27.5mm Plastic Horn
④ 4 pcs x M3*12mm Screws
⑤ 1 pc x M3*8mm Screw
⑥ 4 pcs x 9*6.9*5.6mm (Ø3) Rubber Pads
⑦ 4 pcs x Ø6*Ø3.5*Ø5mm Copper Sleeves





Remark: If you have any questions about the A80BHMH Cyclic servo, please contact shopping@agfrc.com directly.