PRODUCT SPECIFICATION

B53BHP

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	2BB
Mechanical Angle	220°
Dimension	40 x 20 x 37.5 mm
Net Weight	69.5 g
Connector / Cable	JR 360mm / 22AWG
Operating Travel	180° ± 10°
Signal Range	500 to 2500 µSec



Operating Speed	**Stall Torque**	**Unload Current**	**Loading Current**
0.085sec/ 60° @ 4.8V	10 kg-cm (139 oz-in) @ 4.8V	360mA @ 4.8V	3800mA @ 4.8V
0.075sec/60° @ 6.0V	14 kg-cm (195 oz-in) @ 6.0V	400mA @ 6.0V	4300mA @ 6.0V
0.065sec/60° @ 7.4V	17 kg-cm (236 oz-in) @ 7.4V	450mA @ 7.4V	4800mA @ 7.4V
0.055sec/60° @ 8.4V	20 kg-cm (278 oz-in) @ 8.4V	500mA @ 8.4V	5000mA @ 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: ● Positive: ● Signal: ●		

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 Rubber Pads
⑦ 4 pcs x Ø6*Ø3.5*5mm Copper Sleeves



Remark: If you have any questions about the B53BHP servo, please contact shopping@agfrc.com directly.