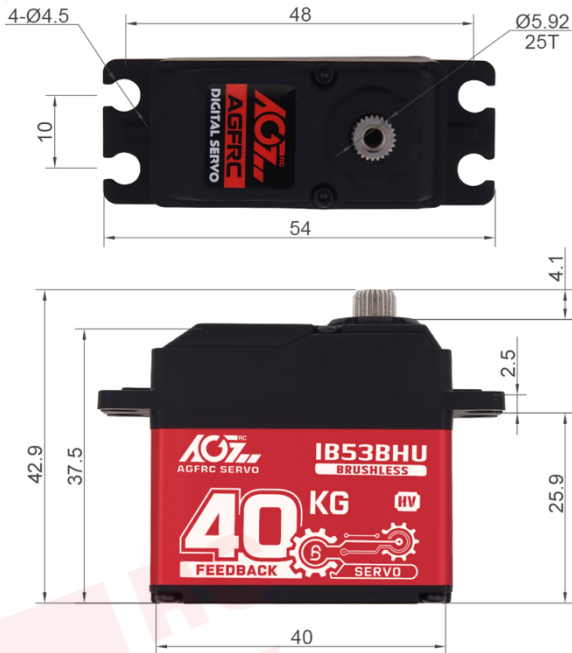


IB53BHU

Control System	PWM	 4-Ø4.5 48 Ø5.92 25T 10 54 4.1 42.9 37.5 2.5 25.9 40 UNIT:MM	
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 2.54*4Pin 300 mm / 22AWG		
Operating Travel	180° ± 10°		
Signal Range	500 to 2500 µSec		
Operating Speed	Stall Torque	Unload Current	Loading Current
0.180 sec/60° @ 4.8V	27 kg-cm (375 oz-in) @ 4.8V	360mA @ 4.8V	4500mA @ 4.8V
0.150 sec/60° @ 6.0V	30 kg-cm (417 oz-in) @ 6.0V	400mA @ 6.0V	5000mA @ 6.0V
0.120 sec/60° @ 7.4V	36 kg-cm (500 oz-in) @ 7.4V	450mA @ 7.4V	5600mA @ 7.4V
0.105 sec/60° @ 8.4V	40 kg-cm (556 oz-in) @ 8.4V	500mA @ 8.4V	6200mA @ 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 + Plastic	Bearing Material	Metal
Wire Color (- + S)	Negative: Black Positive: Red Control Signal: White Position Signal: Orange		
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 9*6.9*5.6mm (Ø3) Rubber Pads ⑦ Ø6*Ø3.5*Ø5mm Copper Sleeves		

Remark: If you have any questions about the IB53BHU servo, please contact shopping@agfrc.com directly.