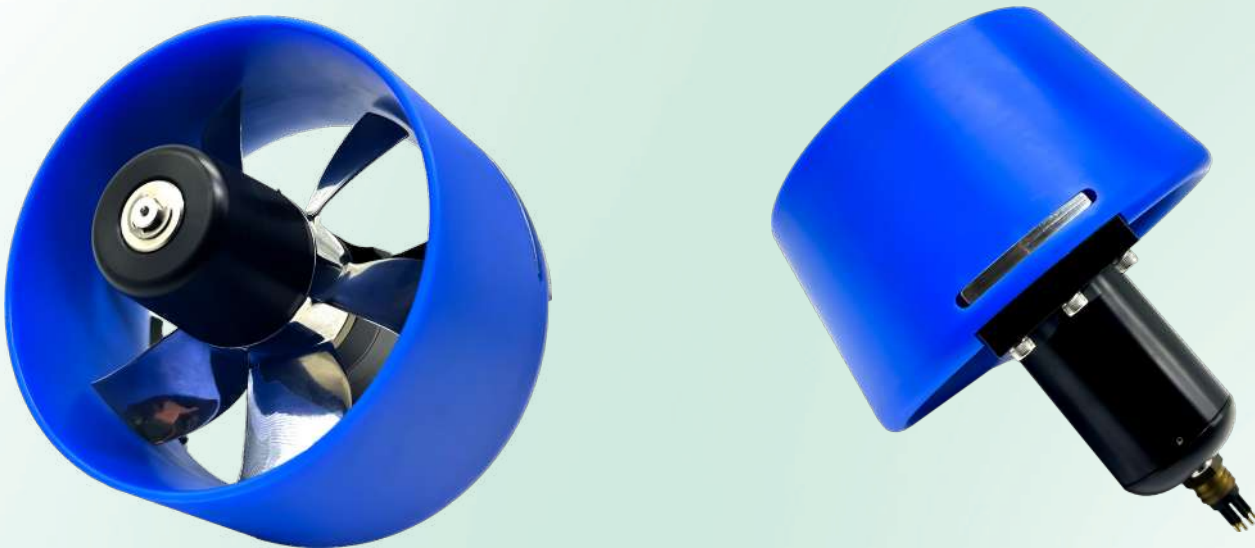


DWT6537

Magnetically Coupling Brushless Underwater Thruster



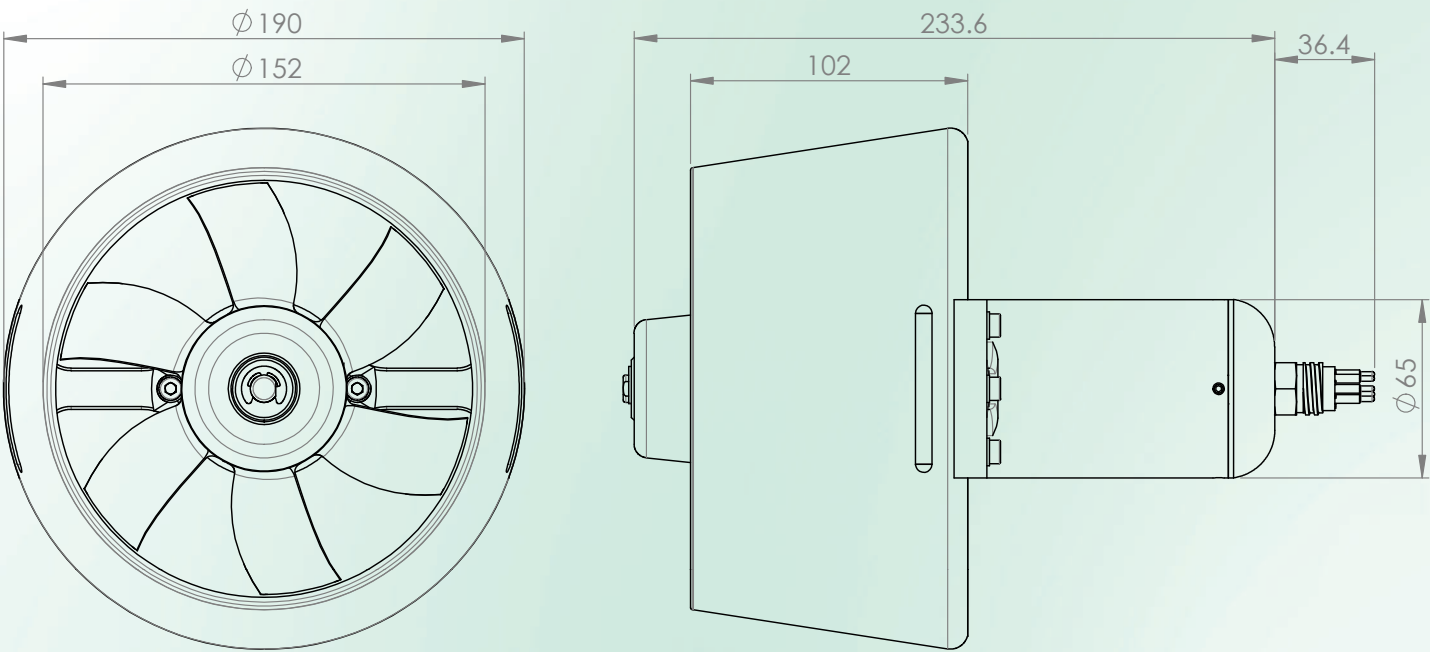
Features

- ✓ Static seals: easy to maintain and zero failure out
- ✓ Easy installation to plug in-and-out
- ✓ Over-temperature protection, over-current protection
- ✓ Internal isolation between the power supply and signal supply system
- ✓ Customized service is available

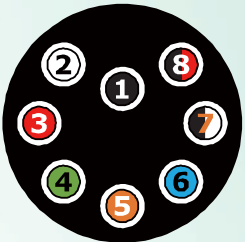





Specification

Model	DWT6537
Operation Voltage	300VDC
Input Power	750W
CW	16.6-17.5 kgf
CCW	9.5-10 kgf
Speed Control	RS485 / ± 5V / PWM
Weight in Air	3.2 kg
Weight in Water	1.9 kg
Depth	1,000m
Operation Temperature	-10~50°C
Body Material	AL 6061-T6
Connector	MCBH8M
Gear Box Ratio	1:6
Shaft Seal (Rotary Seal)	No
Self oil compensator	No
Sealed	O-Ring

Dimension (300VDC)

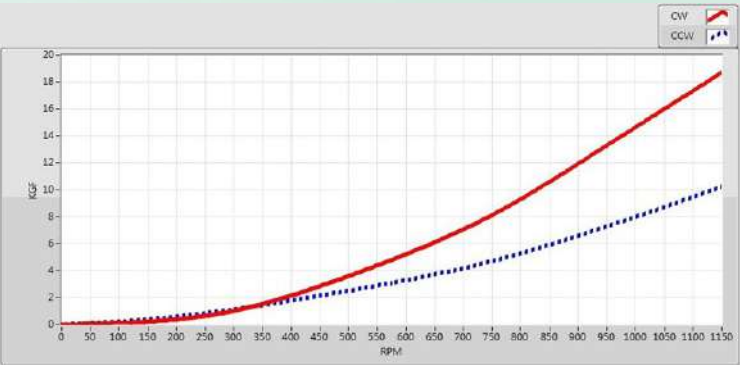


Pin Assignment

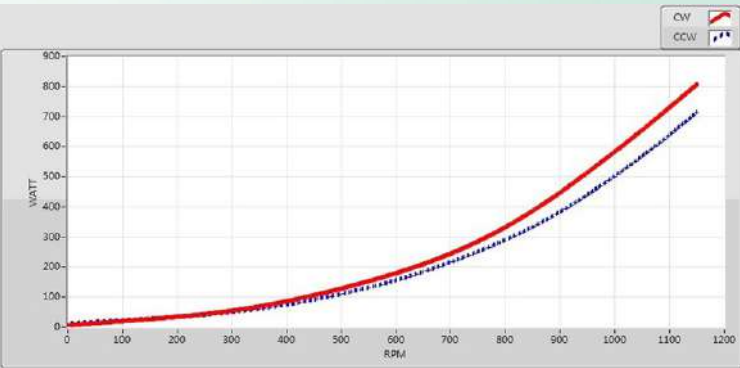
Female Inline Top View	Pin Assignment 300VDC, RS485	Male Bulkhead Top View
	1 : HGnd 2 : PE 3 : +300 VDC 4 : +15 VDC 5 : RS485-A 6 : RS485-B 7 : ISO GND 8 : N/A	
300VDC, ±5V		
	1 : HGnd 2 : PE 3 : +300 VDC 4 : +15 VDC 5 : +/-5 V 6 : N/A 7 : ISO GND 8 : N/A	
300VDC, PWM		
	1 : HGnd 2 : PE 3 : +300 VDC 4 : +15 VDC 5 : PWM Signal 6 : N/A 7 : PWM Signal GND 8 : N/A	

Performance

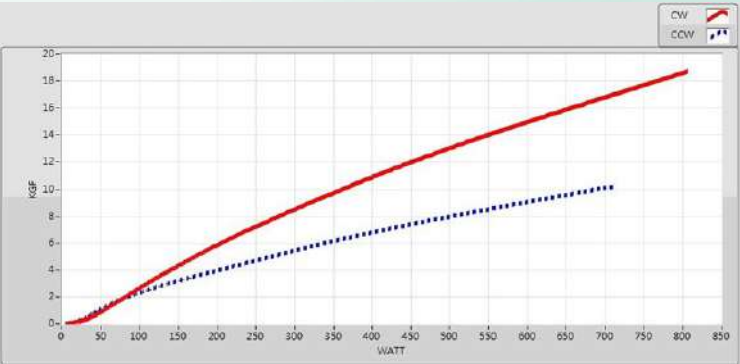
300VDC / 750W



1. RPM VS. KGF



2. RPM VS. Watt



3. Watt VS. KGF