

DWT6532

Magnetically Coupling Brushless Underwater Thruster

Specification

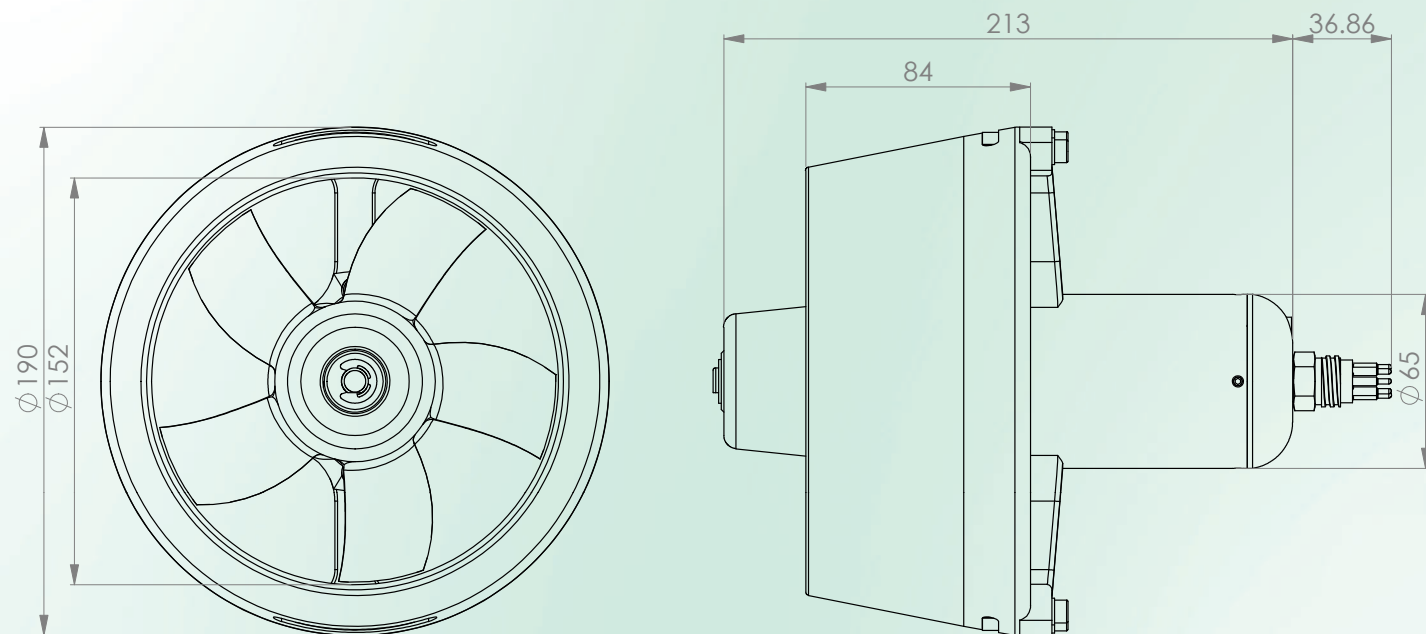
Model	DWT6532		
Operation Voltage	48VDC	155VDC	300VDC
Input Power	500W	500W	500W
CW	10.5-11 kgf	11.4-12 kgf	11.9-12.5 kgf
CCW	7.2-7.6 kgf	6.5-6.8 kgf	7.2-7.6 kgf
Speed Control	RS485 / ± 5V / PWM	RS485 / ± 5V / PWM	RS485 / ± 5V / PWM
Weight in Air	2.8 kg	2.8 kg	2.8 kg
Weight in Water	1.5 kg	1.5 kg	1.5 kg
Depth	1,000m	1,000m	1,000m
Operation Temperature	-10~50°C	-10~50°C	-10~50°C
Body Material	AL 6061-T6	AL 6061-T6	AL 6061-T6
Connector	MCBH8M	MCBH8M	MCBH8M
Gear Box Ratio	1:6	1:6	1:6
Shaft Seal (Rotary Seal)	No	No	No
Self oil compensator	No	No	No
Sealed	O-Ring	O-Ring	O-Ring



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

Dimension (48VDC, 155VDC, 300VDC)



Pin Assignment

Female Inline Top View	Pin Assignment	Male Bulkhead Top View
	1 : GND 2 : GND 3 : +48 VDC 4 : +48 VDC 5 : RS485-A 6 : RS485-B 7 : ISO GND 8 : PE	
48VDC, ±5V		
	1 : GND 2 : GND 3 : +48 VDC 4 : +48 VDC 5 : +/- 5V 6 : N/A 7 : ISO GND 8 : PE	
48VDC, PWM		
	1 : GND 2 : GND 3 : +48 VDC 4 : +48 VDC 5 : PWM Signal 6 : N/A 7 : PWM Signal GND 8 : PE	

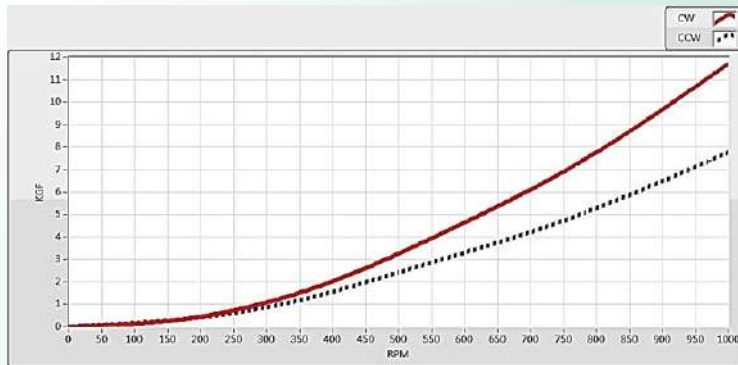
Female Inline Top View	Pin Assignment	Male Bulkhead Top View
155VDC, RS485		
	1 : HGnd 2 : PE 3 : +155 VDC 4 : +15 VDC 5 : RS485-A 6 : RS485-B 7 : ISO GND 8 : N/A	
155VDC, ±5V		
	1 : HGnd 2 : PE 3 : +155 VDC 4 : +15 VDC 5 : +/- 5V 6 : N/A 7 : ISO GND 8 : N/A	
155VDC, PWM		
	1 : HGnd 2 : PE 3 : +155 VDC 4 : +15 VDC 5 : PWM Signal 6 : N/A 7 : PWM Signal GND 8 : N/A	
300VDC, RS485		
	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 : +/- 5V 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

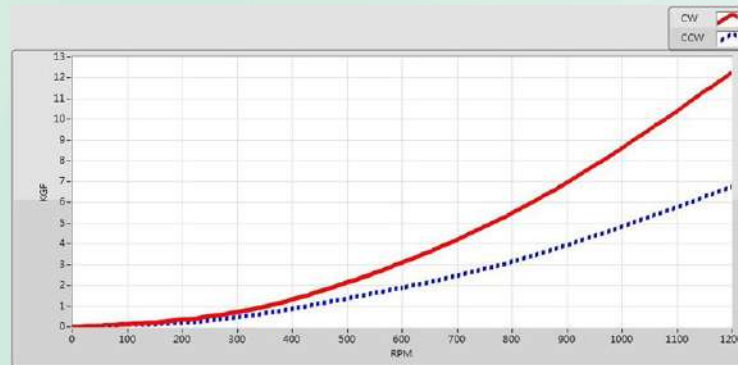
48VDC / 500W

155VDC / 500W

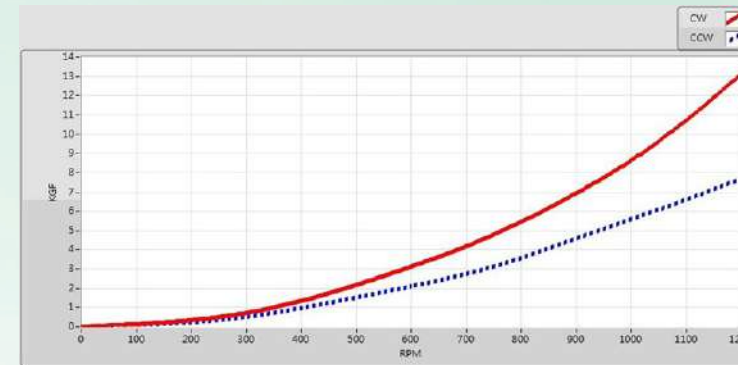
300VDC / 500W



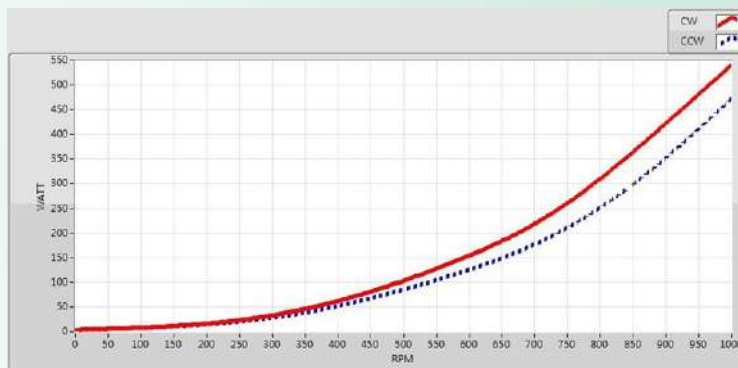
1. RPM VS. KGF



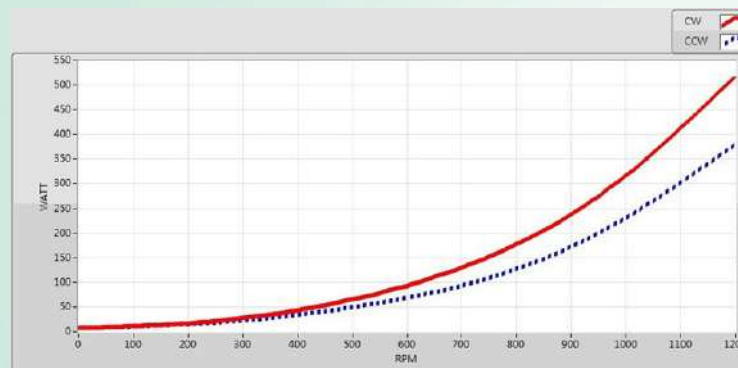
1. RPM VS. KGF



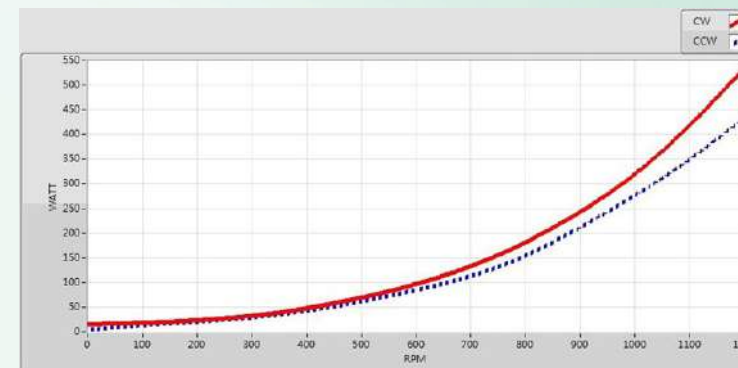
1. RPM VS. KGF



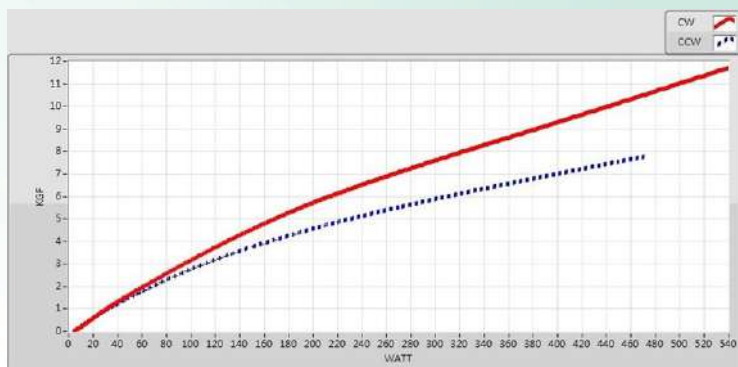
2. RPM VS. Watt



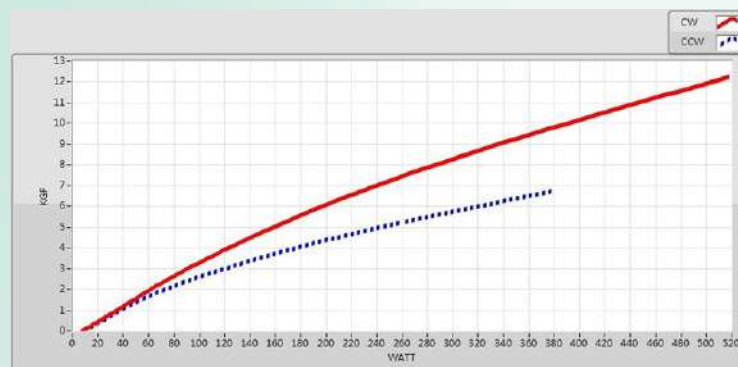
2. RPM VS. Watt



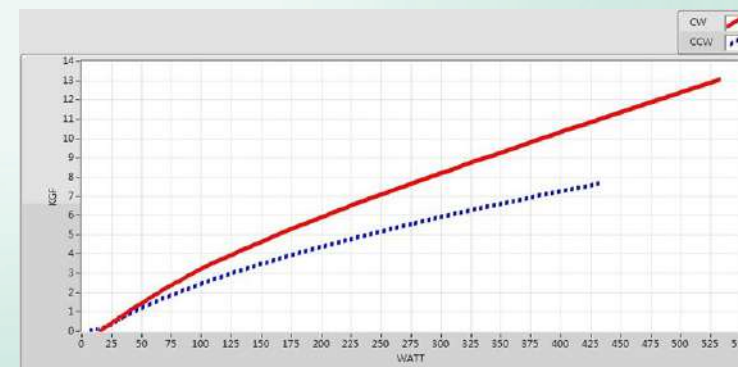
2. RPM VS. Watt



3. Watt VS. KGF



3. Watt VS. KGF



3. Watt VS. KGF