

DWT8537

Magnetically Coupling Brushless Underwater Thruster



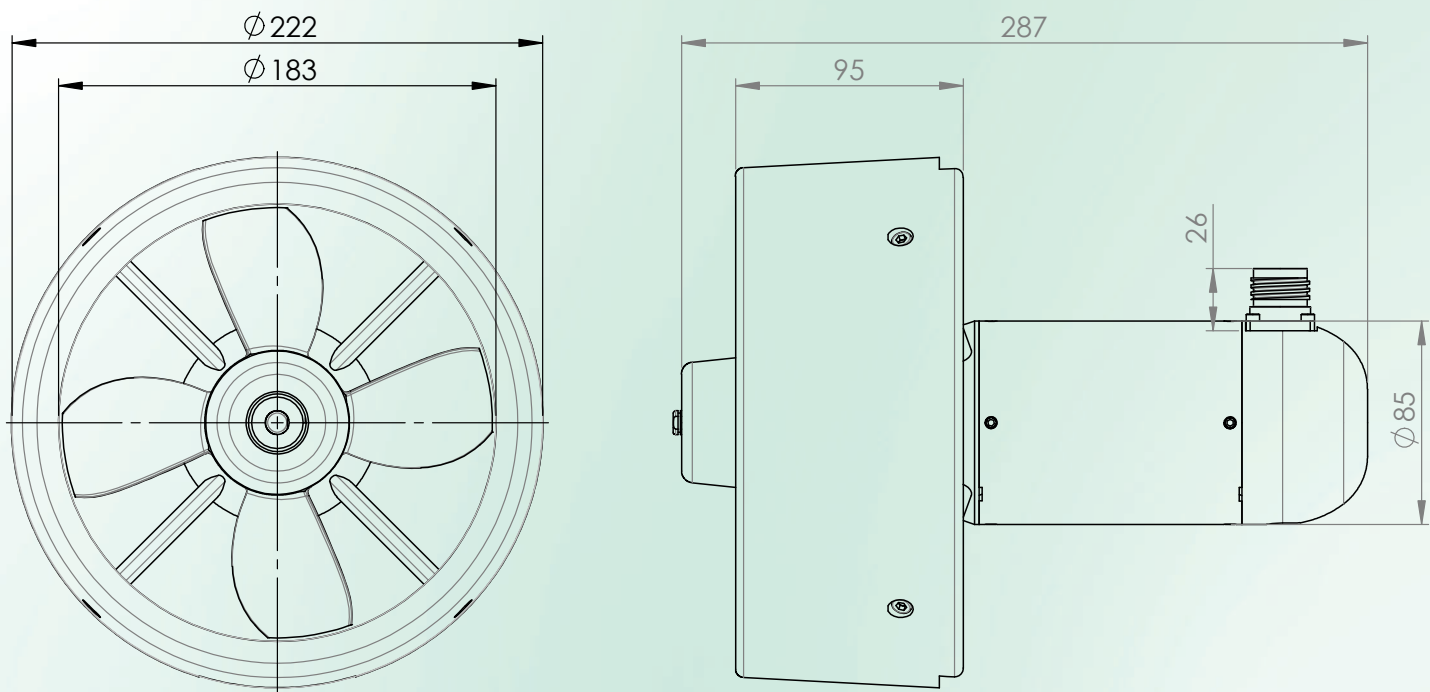
Features

- ✓ 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

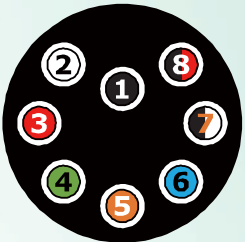





Specification

Model	DWT8537
Operation Voltage	300VDC *Reducer
Input Power	850W
CW	23.8-25 kgf
CCW	17.6-18.5 kgf
Speed Control	RS485 / ± 5V / PWM
Weight in Air	5.5kg
Weight in Water	5kg
Depth	1,000m
Operation Temperature	-10~50°C
Body Material	AL 6061-T6
Connector	MSGFR08MSS
Gear Box Ratio	1:6
Shaft Seal (Rotary Seal)	No
Self oil compensator	No
Sealed	O-Ring

Dimension (300VDC)

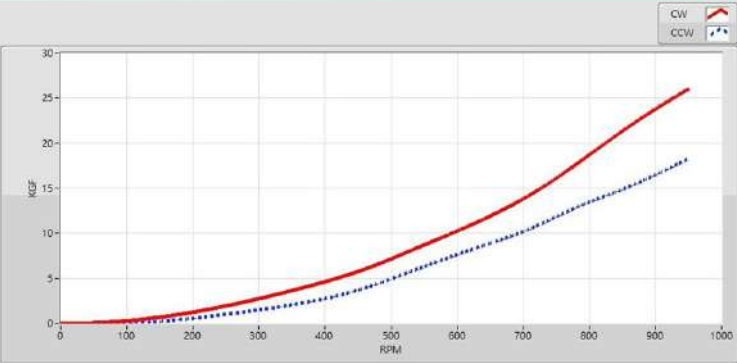


Pin Assignment

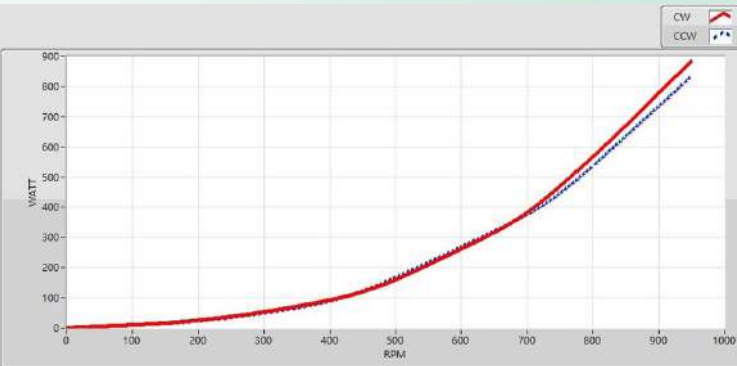
Female Inline Top View	Pin Assignment 300VDC, RS485	Male Bulkhead Top View
	1 : HGnd 2 : PE 3 : +300 VDC 4 : +15 VDC 5 : RS485-A 6 : RS485-B 7 : ISO GND 8 : N/A	
300VDC, ±5V		
	1 : HGnd 2 : PE 3 : +300 VDC 4 : +15 VDC 5 : +/-5 V 6 : N/A 7 : ISO GND 8 : N/A	
300VDC, PWM		
	1 : HGnd 2 : PE 3 : +300 VDC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

Performance

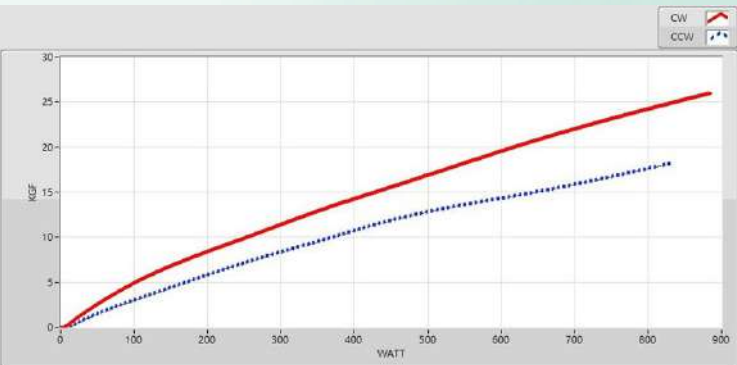
300VDC / 850W



1. RPM VS. KGF



2. RPM VS. Watt



3. Watt VS. KGF