

DWT085D3

Direct Drive Underwater Thruster



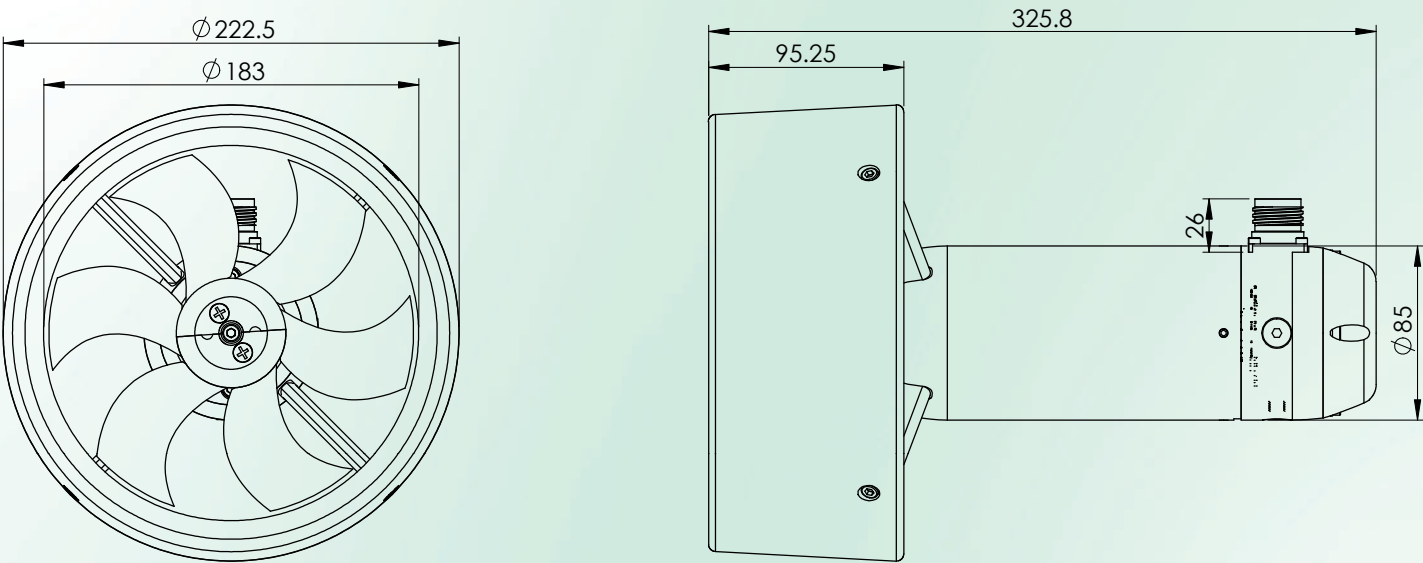
Features

- ✓ Low power and high torque
- ✓ Fast response
- ✓ Power efficiency
- ✓ Over-temperature protection, over-current protection
- ✓ Internal isolation between the power supply and signal supply system
- ✓ Good value for the price
- ✓ Customized service is available

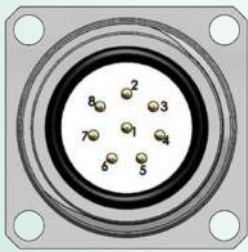
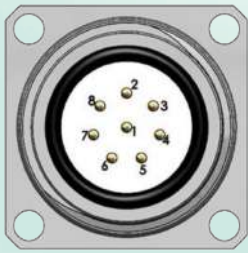
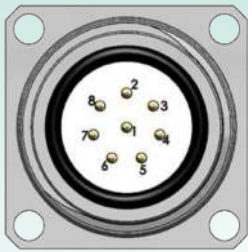
Specification

Model	DWT085D3
Operation Voltage	300 VDC
Input Power	1,500 W
CW	30.4-32 kgf
CCW	25.7-27 kgf
Speed Control	RS485 / ± 5V / PWM
Weight in Air	5.8 kg
Weight in Water	3.3 kg
Depth	1,000m (3,000m optional)
Operation Temperature	-10~50°C
Body Material	AL 6061-T6
Connector	MSGFR08MSS
Gear Box Ratio	N/A
Shaft Seal (Rotary Seal)	Yes
Self oil compensator	Yes
Sealed	Rotary Seal

Dimension (300VDC)

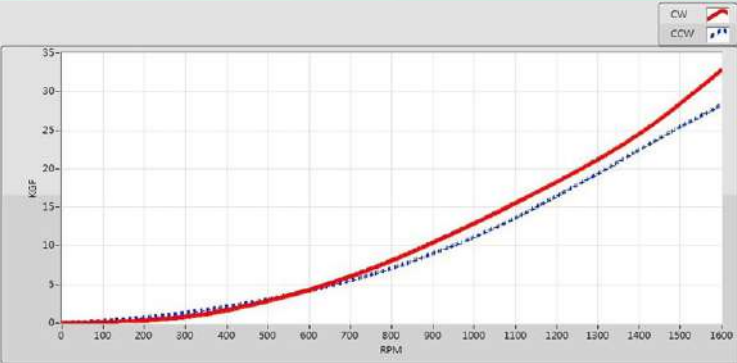


Pin Assignment

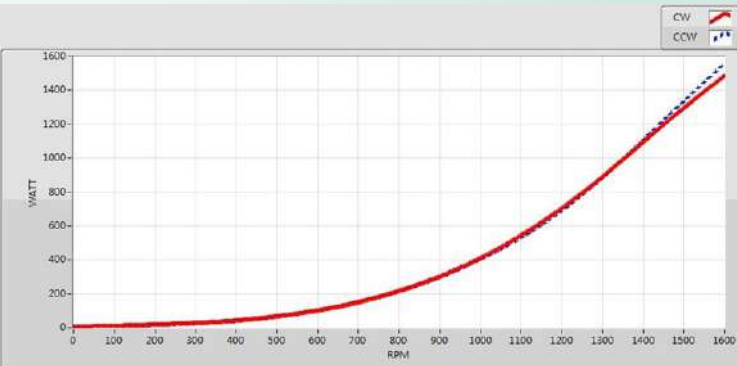
Female Inline Top View	Pin Assignment 300VDC, RS485	Male Bulkhead Top View
	1 : HGnd 2 : PE 3 : +300 VDC 4 : +15 VDC 5 : RS485-A 6 : RS485-B 7 : ISO GND 8 : N/A	
300VDC, ±5V		
	1 : HGnd 2 : PE 3 : +300 VDC 4 : +15 VDC 5 : +/-5 V 6 : N/A 7 : ISO GND 8 : N/A	
300VDC, PWM		
	1 : HGnd 2 : PE 3 : +300 VDC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

Performance

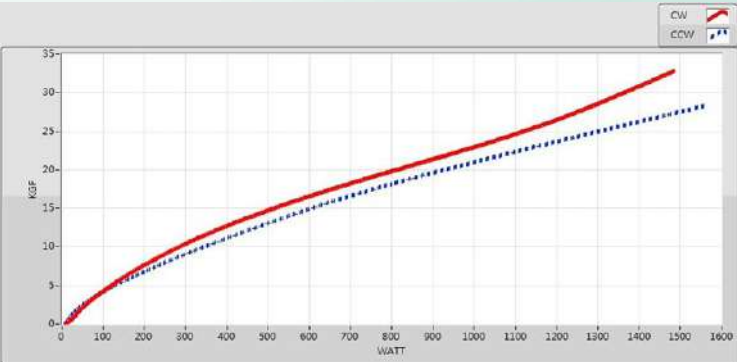
300 VDC / 1,500 W



1. RPM VS. KGF



2. RPM VS. Watt



3. Watt VS. KGF