

DWT085G1

Shaft Drive Underwater Thruster



Features

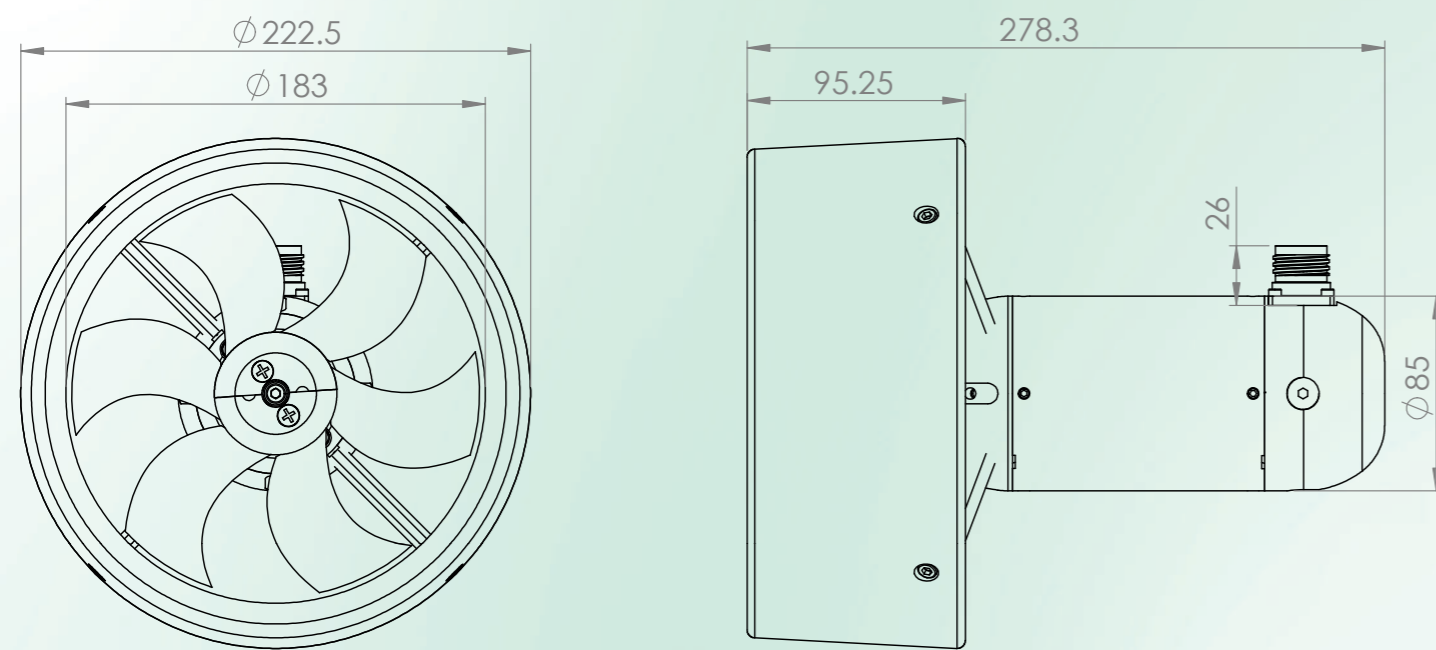
- ✓ Static seals: easy to maintain and zero failure out
- ✓ Easy installation to plug in-and-out
- ✓ Over-temperature protection, over-current protection
- ✓ Internal isolation between the power supply and signal supply system
- ✓ Customized service is available

Specification


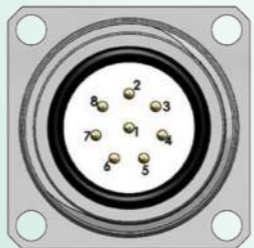

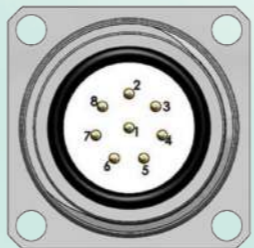

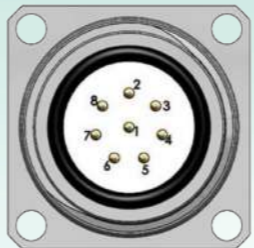
※ All product descriptions and specifications are subject to be changed without notice.

| Model | DWT085G1 |
|--------------------------|--------------------|
| Operation Voltage | 300VDC *Reducer |
| Input Power | 1,000W |
| CW | 22.8-24 kgf |
| CCW | 21.9-23 kgf |
| Speed Control | RS485 / ± 5V / PWM |
| Weight in Air | 4.6 kg |
| Weight in Water | 2.3 kg |
| Depth | 1,000m |
| Operation Temperature | -10~50°C |
| Body Material | AL 6061-T6 |
| Connector | MSGFR08MSS |
| Gear Box Ratio | 1:6 |
| Shaft Seal (Rotary Seal) | Yes |
| Self oil compensator | No, optional |
| Sealed | Rotary Seal |

Dimension (300VDC)

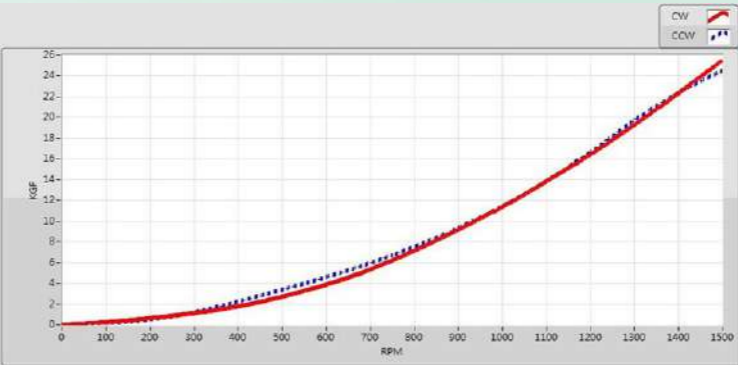


Pin Assignment

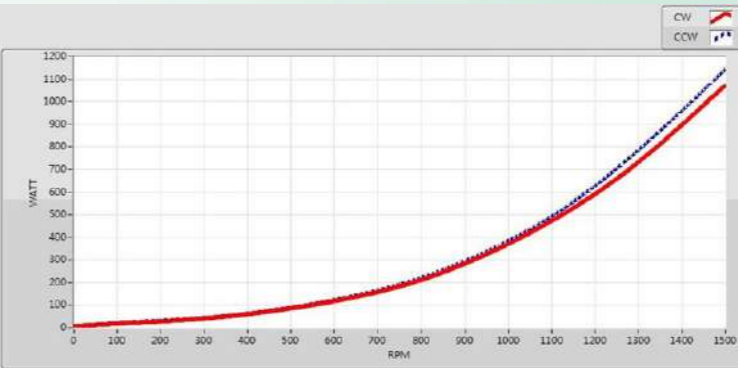
| Female Inline Top View | Pin Assignment 330VDC, RS485 | Male Bulkhead Top View |
|---|---|---|
|  | 1 : HGnd 2 : PE 3 : +330 VDC 4 : +15 VDC 5 : RS485-A 6 : RS485-B 7 : ISO GND 8 : N/A |  |
| 330VDC, ±5V | | |
|  | 1 : HGnd 2 : PE 3 : +330 VDC 4 : +15 VDC 5 : +/-5 V 6 : N/A 7 : ISO GND 8 : N/A |  |
| 330VDC, PWM | | |
|  | 1 : HGnd 2 : PE 3 : +330 VDC 4 : +15 VDC 5 : PWM Signal 6 : N/A 7 : PWM Signal GND 8 : N/A |  |

Performance

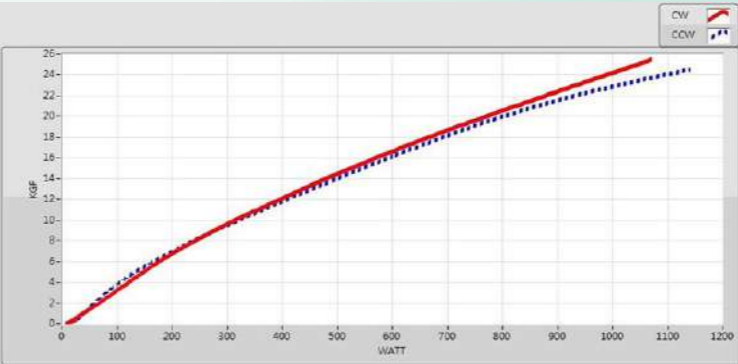
300VDC / 1000W



1. RPM VS. KGF



2. RPM VS. Watt



3. Watt VS. KGF