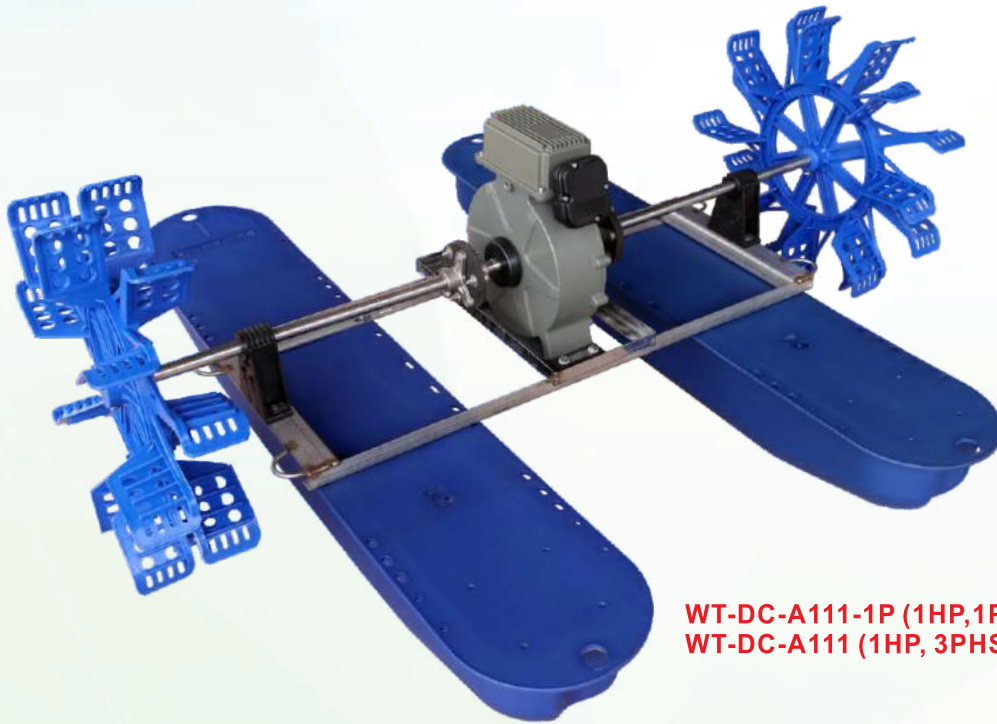


# SMART PADDLEWHEEL AERATOR



POWERED BY BRUSHLESS DC MOTOR.  
 SAVE 45% POWER CONSUMPTION. USED ONLY 11 UNIT (KWH) / 24HR  
 無刷直流變頻馬達直接驅動，省電45%以上



WT-DC-A111-1P (1HP, 1PHS, 180~240V, 50/60HZ)  
 WT-DC-A111 (1HP, 3PHS, 350V~440V, 50/60HZ)

## CHARACTERISTICS 特點:

- 1. Brushless DC Motor is adopted and the efficiency of the motor is more than 90%.**  
 匹配無刷稀土強磁直流變頻馬達，效率90%以上。
- 2. Power saving up to 45% and above.**  
 省電45%以上。
- 3. More voltage drop allowed without damaging the motor.**  
 允許較大範圍之電流降壓而不損壞馬達。
- 4. Motor will not burn out but run slower in case of phase failure.**  
 電源缺相時，馬達不會燒毀，而只是放慢速度。
- 5. The paddlewheel is featured with low speed BLDC Motor (at 105RPM), no Gearbox Reducer needed, it's durable and maintenance free.**  
 匹配低轉速無刷直流馬達（105RPM），無需減速機來減速，耐用及無需維修費用。

## COMPARISON OF AC MOTOR & BLDC MOTOR

	AC MOTOR	BLDC MOTOR
REDUCER	MECHANICAL GEARBOX	- WITHOUT GEARBOX REDUCER - MOTOR DIRECT DRIVE
REDUCER MAINTENANCE	- NEED TO ADD OR CHANGE GEAR OIL REGULARLY - HIGH MAINTENANCE FEE AND PRICEY TO REPLACE A REDUCER	MAINTENANCE FREE
EFFICIENCY	2.25 Kg.O <sub>2</sub> /Kw.h	4.08Kg.O <sub>2</sub> /Kw.h
ROTATION SPEED	- HIGH SPEED (1450 RPM) - MORE WEARING PARTS	- NORMAL SPEED (105RPM) - VERY LOW WEARING - CAN RUN CONTINUOUSLY FOR 24HR/DAY, 365DAY/YEAR. - LONGER SERVICE LIFE
MOTOR	AC MOTOR	- DIRECT DRIVE BLDC MOTOR - STRONGER MAGNETIC EFFECT - HIGHER TORQUE - POWER SAVING

## 增氧機零件組織圖 SPARE PARTS OF PADDLE WHEEL AERATOR



無刷直流馬達  
BLDC MOTOR



主機蓋  
MACHINE COVER



不鏽鋼機架  
SS COMMON BED



工程尼龍葉輪（銅套）  
BLUE ENGINEERING PLASTIC  
16-BLADE IMPELLER NO.1816  
(CU BUSH d25.5mm)



小滾柱塑料支撐座  
SMALL ROLLER SUPPORTER



精密度聚乙烯鋼長浮船  
HDPE PONTOON FLOATER NO.2

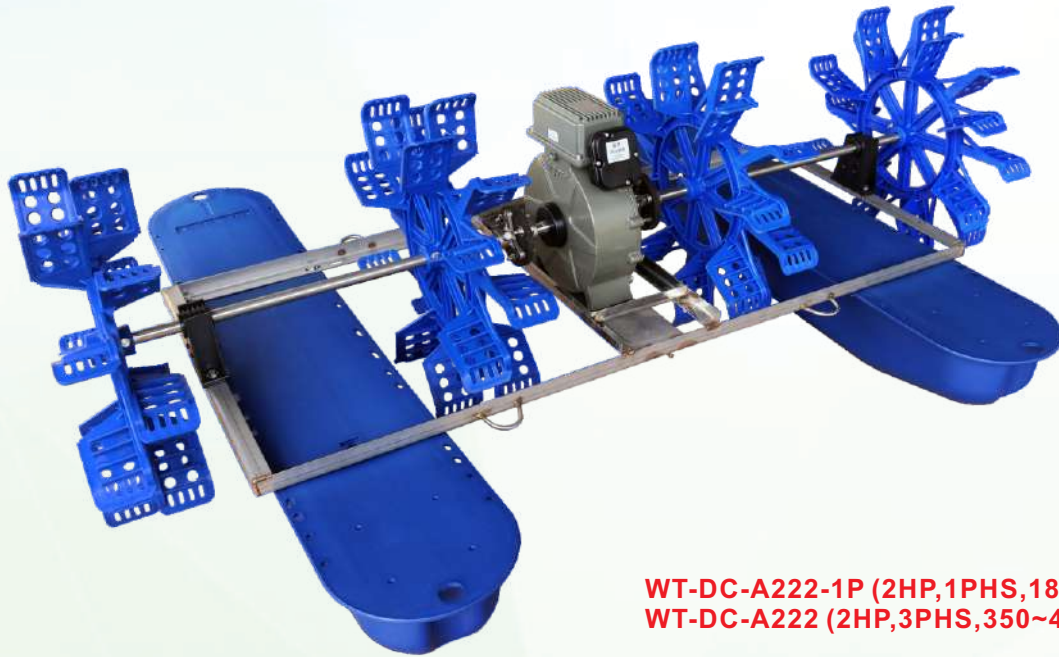


圓形不鏽鋼活動接頭  
STAINLESS STEEL ROUND  
MOVEABLE CONNECTOR

# SMART PADDLEWHEEL AERATOR



POWERED BY BRUSHLESS DC MOTOR.  
 SAVE 45% POWER CONSUMPTION. USED ONLY 17 UNIT (KWH)/24HR  
 無刷直流變頻馬達直接驅動，省電45%以上



WT-DC-A222-1P (2HP,1PHS,180~240V,50/60HZ)  
 WT-DC-A222 (2HP,3PHS,350~440V,50/60HZ)

## CHARACTERISTICS 特點:

- 1. Brushless DC Motor is adopted and the efficiency of the motor is more than 90%.**  
 匹配無刷稀土強磁直流變頻馬達，效率90%以上。
- 2. Power saving up to 45% and above.**  
 省電45%以上。
- 3. More voltage drop allowed without damaging the motor.**  
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 匹配低轉速無刷直流馬達（105RPM），無需減速機來減速，耐用及無需維修費用。

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BLDC MOTOR



主機蓋  
MACHINE COVER



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BLUE ENGINEERING PLASTIC  
16-BLADE IMPELLER NO.1816  
(CU BUSH d25.5mm)



小滾柱塑料支撐座  
SMALL ROLLER SUPPORTER



精密度聚乙烯鋼長浮船  
HDPE PONTOON FLOATER NO.4



圓形不鏽鋼活動接頭  
STAINLESS STEEL ROUND  
MOVEABLE CONNECTOR