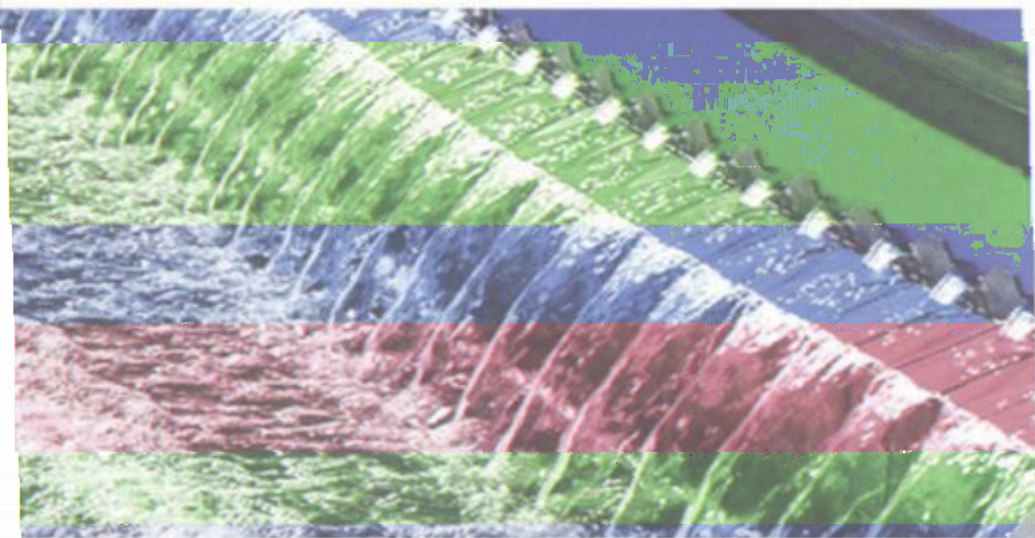




QDTX型智慧潜水推流器

QDTX Type Intelligent Submersible Flow Propeller



QDTX®型智慧潜水推流器 QDTX Type Intelligent Submersible Flow Propeller



QDTX型智慧潜水推流器，是为高效智能化场境应用而设计的一款新型推流器。整机采用全不锈钢流线型设计，叶桨为冲压焊接成型，动力装置为高效行星齿轮和高效永磁电机，此外在电机腔内集成了智慧型驱动控制器，可实现旋向识别、过载调整、无极调速和信号传输等功能。

QDTX Type submersible is a new type impeller designed for efficient and intelligent field application. The whole machine is made of all-stainless steel. The blades are formed by stamping and welding. The power device is a high-efficiency planetary gear and permanent magnet motor. In addition, an intelligent drive controller is integrated in the motor cavity to realize the stepless adjustment and signal output and control functions.

增强型滑套，运行稳定，起吊方便
Enhanced sliding sleeve, stable operation and convenient lifting

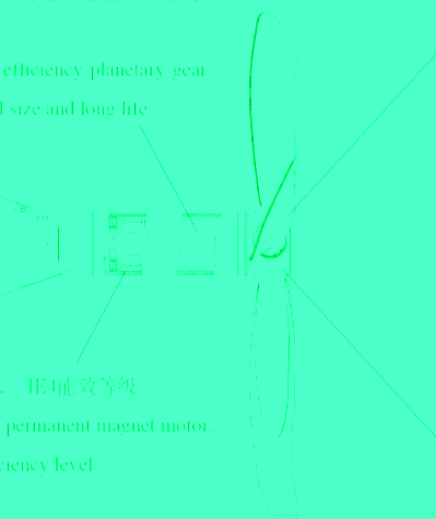
内置高效行星齿轮减速器，体积小，寿命长
Built in high efficiency planetary gear reducer, small size and long life

冲压复合成型不锈钢叶片，水力效率高，强度大，寿命长
Stamped stainless steel blades with high hydraulic efficiency and high strength

内置智能控制驱动模组，高效信息交互与处理
Built in intelligent control drive module, efficient information processing

高效永磁电机，IE4能效等级
High efficiency permanent magnet motor, IE4 energy efficiency level

销轴内固定式轮毂及叶片联接方式，叶片角度可调，流线型外观
Fixed hub and blade connection, blade angle adjustable, streamlined appearance



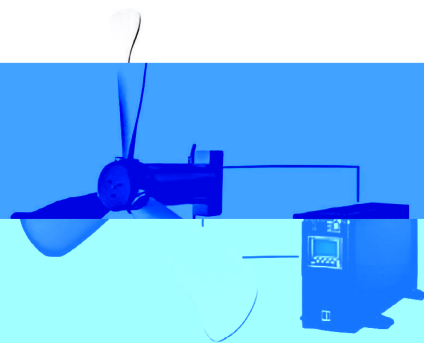
性能参数 Performance Parameters

型号 Model		电机功率 (kW) Motor power	额定电流 (A) Rated current	叶轮转速 (r/min) rpm of impeller	叶片数量 (set) Num. of vane	叶轮直径 (mm) Diameter	推力 (N) Thrust	重量 (Kg) Weight
智慧型 Intelligent model	QDTX1200/43/3-2.5/S	2.5/8	4.5	0-43	3	1200	1650	245
	QDTX1200/43/3-3/S	3/8	5.4	0-43	3	1200	1900	255
	QDTX1800/43/3-4/S	4/8	7.1	0-43	3	1800	2600	295
	QDTX1800/43/3-5.5/S	5.5/8	8.8	0-43	3	1800	3000	300
	QDTX2100/43/3-4/S	4/8	7.1	0-43	3	2100	2800	310
	QDTX2500/43/3-5.5/S	5.5/8	8.8	0-43	3	2500	3300	320
	QDTX2500/43/3-7.5/S	7.5/8	13	0-43	3	2500	4650	335

配置与选用 Configuration and selection

QDTX智慧型潜水推流器可提供标准控制、现场控制以及云平台APP控制等多种控制方式，使复杂的推流器选型和应用工作变的更加简单方便，为工程现场提供尽可能的灵活性和便利性，在达到工艺要求的前提下，降低设备及运行成本。

QDTX smart submersible flow controller can provide multiple control methods such as standard control, on-site control and cloud platform APP control, making complex flow selector selection and application work easier and more convenient, providing the project site with as much flexibility as possible Sex and convenience, on the premise of meeting the technical requirements, reduce equipment and operating costs.



	SCT标准控制型	MCT现场控制型	CCT云平台控制型
控制方式Control Model		旋钮/触摸屏操作	云平台APP
1级能效电机Efficiency level	✓	✓	✓
高效叶桨Efficiency impeller	✓	✓	✓
软启动Soft start	✓	✓	✓
高功率因数Power factor (≈1)	✓	✓	✓
旋向自动识别Rotation protection	✓	✓	✓
自动过载速度控制Speed protection	✓	✓	✓
无极调速Limitless transmission		✓	✓
设备健康状态显示Status display		✓	✓
故障警报信息Alarm information		✓	✓
模/数信号传输signal transmission		✓	✓
设备运行档案Operational data			✓
联动控制（多台）Dynamic Control			✓



SCT标准控制型 Standard Control Type

内置的人工智慧控制器预设控制功能，可完成旋向自动识别，过载控制以及等核心功能，保证推流器的高效稳定运行。

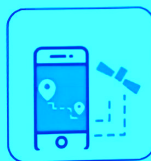
Built in intelligent controller, it can complete rotation identification, overload control and other functions to ensure the efficient and stable operation of the thruster



MCT现场控制型 Manual Control Type

增加了现场控制操作和显示面板，可对推流器进行无极调速，显实时显示设备的运行和健康状态，并可进行模数信号的输入与输出，提高操作灵活性，可满足更多场境的应用。

Control operation and display panel, can carry on the stepless speed regulation to the thruster, display the operation and health status of the equipment in real time, to meet more needs.



CCT云平台控制型 Cloud Controlled Type

通过5G或wifi信号接入云平台，可通过PC端或移动端APP进行操作，并在系统内预置功率、扭矩以及时段等人工智慧控制模式，同时云平台具备自定义和自主学习能力。

It can be connected with 5g or WiFi signal, and can be operated through PC terminal or mobile app. the cloud platform has the ability of self-determination and self-learning.





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