

## IT450 Cutter Suction Dredger 绞吸式挖泥船

### ◆ General Description :

- ◆ Cutter Suction Dredger is self-propelled or non self-propelled, portable cutter suction dredger. Hull can be dismantled and re-assemble easily with box structure . equipped with horizontal shifting devices, cutter ladder lifting devices, spud devices, deck crane and so on. Widely used in sand-excavating, river dredging, desilting, reclamation for channels and land, port construction, etc.

### ◆ 概述 :

- ◆ 我们生产的挖泥船是自航或非自航式的，移动式绞吸挖泥船，船体采用可拆卸式和箱体结构，配备横移绞车，绞刀架提升装置，定位桩，甲板吊等等，广泛适用于挖沙、河道清淤、航道维护和拓宽、疏浚、吹填造地、港口建设等。

### ◆ Advantage :

- ◆ Reliable and Efficient

The key component like engine, pump and hydraulic system are adopted the international brand.

- ◆ Tested in pool before delivery

Quality testing for each dredger before delivery to ensure all function working properly.

- ◆ Services --experienced engineers to guide installing and training local workers. 24/7 technical support standby. Free spare parts in the first year, low cost for services.

- ◆ Dismantled and easy transport

### ◆ 优势 :

- ◆ 可靠高效-关键设备国际品牌
- ◆ 出厂前测试池测试
- ◆ 售后服务-工程师现场安装培训。全天候技术支持，第一年免费更换零件，随后成本价更换并提供服务。
- ◆ 可拆卸便于运输



IT450 (18 inch 3000m³/h)

Dredger LOA	总长	31.0m
Hull size(L×B×H)	船体尺寸	23.0×7.5×2.5m
Main pontoon(L×B×H)	主浮体尺寸	13.8×3.5×2.5m
Side pontoon (L×B×H)	边浮体尺寸	22.0×2.0×2.5m
Structure	结构	box-structure
Main engine brand & power	主机品牌/总功率	Cummins/597kw
Auxiliary engine brand& power	辅机品牌/功率	Cummins/224kw
Harbour generator	停泊发电机	Cummins/30kw
Total power	整船功率	851kw
Dredging pump	挖泥泵	Warman Technology
Discharge pipe inner Dia.	排管内直径	450mm
Head	扬程	48m
Max. dredging depth	最大挖深	14m
Water flow	清水流量	3000m³/h
Solid sand capacity	泥沙产量	600m³/h
Discharge distance	排距	1500m
Cutter head Dia.	绞刀头直径	1500mm
Cutter power	绞刀功率	80kw
Draught	吃水	1.7m
Displacement	排水量	224T
Hydraulic control system	液压控制系统	PLC Siemens
Wire rope pulling force (Lifting winch )*Quantity	钢丝绳拉力（提升绞车）&数量	80KN *1
Wire rope pulling force (Traversing winch )*Quantity	钢丝绳拉力（横移绞车）&数量	80KN *2
Operation room	操作室	Adjustable chair, movable side-window, air condition, PLC system, signal lights and floodlights
Total weight	总重	130T
Total fuel oil consumption	总油耗	123L/H