



## B400 - BANTER OPTIMA

### OVERVIEW

Kapal keruk type B400 OPTIMA digunakan pada perairan yang tenang sampai agak bergelombang misalnya Canal, Sungai, Danau, Kolam pelabuhan dengan kedalaman pengerukan maksimal 12m. Dengan ruang mesin yang menyatu dengan ponton, menjadi lebih kedap air sehingga memungkinkan untuk ditarik melalui perairan laut dengan lebih aman. Tersedia dengan berbagai konfigurasi dan feature sesuai kebutuhan Customer. Tersedia pilihan control type hydraulic manual, electro hydraulic

### GENERAL

Total length 32m  
Total breadth 6.6m  
Draught 1,3 m  
Spud pole length 18m  
Total dry weight 85 tons  
Depth main pontoon 2,8m  
Digging Depth max 12m  
Digging Depth min 1,7m  
Swing width max 40m  
Swing width min 19m  
Marine steel plate  
Electrical system 220VAC dan 24 VDC  
Genset outdoor 20 KVA

### DIESEL ENGINE DREDGE PUMP

Caterpillar / Cummins / Mitsubishi / Marine Engine , Continuous Rating 1200Hp  
Water Heat Exchanger cooled  
Fuel Storage max 15.000 Liter

### DIESEL ENGINE POWER PACK

Caterpillar / Cummins / Mitsubishi / Doosan, Continuous Rating 400Hp  
Water or air Heat Exchanger cooler

### PUMP

Centrifugal Dredge Pump 18"/16"  
Material Casing , Impeller is High Chrome Cr > 25%  
Type Close Impeler 3 vane  
Suction Pipe Dia. 450mm  
Discharge Pipe Dia. 400mm/450mm  
Passing Dia max 250mm  
Head up to 60m  
Cap. Clear water up to 3000m<sup>3</sup>/hr\*  
Cap. Mud/coarse sand 250 - 450m<sup>3</sup>/hr\*

### HYDRAULIC SYSTEM

Four total vane / piston Pumps installed with operating gearbox  
Driven by Diesel Pump engine  
One for Cutter, two for Swing Winch, one for Ladder Winch and one for Spud Hydraulic Cylinder  
Manual or PLC control system  
Working pressure up to 200 bar  
Hydraulic filter flow up to 1500 lpm

### CUTTER

Type Crown B150-A,  
5 Blade  
Cutting diameter 1500mm  
Speed 0-40rpm  
Cutting power 3000kg top of cutter

### SPUD

Type : Hydraulic cylinder  
Stroke : 2500mm  
Diameter spud pipe 450mm  
Length 18m

### SWING WINCH & ANCHOR WINCH

Type : Hydraulic winch  
Wire size 20mm x 100m x 4  
Winding speed 10-20m/min  
Pull Tension first layer 6000kg

