



# GBT

*offshore*

## GBT ELECTRO HYDRAULIC WINCH

Based on a SeaMac DT Marine series DT3000, GBT and Marine Tech have re-engineered this winch by upgrading the electric pump with a bigger one and increasing oil tank capacity.

It is a self-contained electro-hydraulic variable speed winch designed for marine applications. Fitted with a precise cable handling system and high grade multiway slip ring, this winch has 1600m cable of 11.43mm armoured Rochester coaxial cable.

APPLICATIONS: towed equipment as Side Scan Sonar, combined Side Scan Sonar/Sub-Bottom, sampling, etc.



Manufactured by GBT and MarineTech

### KEY FEATURES

- Self-contained HPU
- 1600m Coax Cable Installed
- Variable speed control
- Cable handling system

**MOTOR**

15 kw, 20hp, 3 Phase, 380VAC, 50-60Hz

**HYDRAULIC MOTOR**

CASAPPA KM20 14R0-04S5 LEA/EB-N

**BRAKE SYSTEM**

Fail-safe brake is actuated from center position of "joy stick". Loss of hydraulic pressure or loss of electric power, system includes manually operated 3" stainless steel band brake as a standard safety feature

**PUMP**

MAIN PUMP

SALAMI - 2PE 16D-P28P1

SECONDARY PUMP

SALAMI - 1,5PE 4,1-P18PO

**DRUM CAPACITY**

3,000m of ø11.43mm cable  
INSTALLED 1600m of ø11.43mm cable  
(leaves 75mm clear flange)

**RESERVOIR**

75 liters. Hydraulic Oil 46. Incorporated onto the winch

**LINE SPEED (AT DRUM)**

Recovering 125 m/min Deploying 67m/min

**CONTROLS**

Self-centering, single lever joy stick provides linear variable speed operation, pressure gauge, temperature gauge, oil level, power on/off switches.

**BARE DRUM RATING**

1600 kg line pull at a line speed of 0-45 m/min

**LEVEL-WIND SYSTEM**

Hydroactive cable guide system, front mounted ball screw type, automatic bi-directional angle sensing system with manually operated override feature

**WEIGHT**

Approximate weight is 2374 kg with 2000m cable.

**HANDLING**

Load tested 4 point lift eyes/fork lift tubes

**DIMENSIONS**

Width: 1.525m

Length: 1.480m (includes level-wind)

Height: 1.300m (includes level-wind)

Drum Diameter: 0.51m

Flange Diameter: 1.05m

Drum Width: 0.62m

Footprint Holes Width: 1.420m

Footprint Holes Length: 1.350m

Holes Diameter ø: 0.025m

**CONSTRUCTION**

All welded steel with stainless steel hardware

**SYSTEM**

Closed loop, motor coupled to drum via planetary gear reducer and failsafe brake provided. Multiple disc failsafe brake between motor and gearbox