

**CM2 WINCH, SPECIFICATION**  
**Issue 2, February '07**

**1. GENERAL**

The CM2 winch was designed specifically for use with the CM2 Sidescan Sonar system. It may also be used in other hydrographic applications.

It provides a means of handling the 4.7mm diameter armoured tow cable, suitable for deploying the CM2 towfish to depths in the range 2 - 100m, whilst remaining within a portable size and weight. The remote control pendant allows the sonar operator to control the tow cable whilst viewing the sonar display.

The CM2 winch features an overload clutch and “soft start” (smooth acceleration).

**2. CAPABILITY**

Cable capacity  
300m of 4.7mm diameter armoured tow cable  
Speed  
0.8m/second at median diameter  
Recommended normal operating torque  
0-25Nm

**3. SIGNAL PATH**

2-channel slip ring  
10m signal deck cable (other lengths optional)

**4. REMOTE CONTROL PENDANT**

Heave (in), Veer (out) buttons  
10m control deck cable (other lengths optional)

**5. POWER**

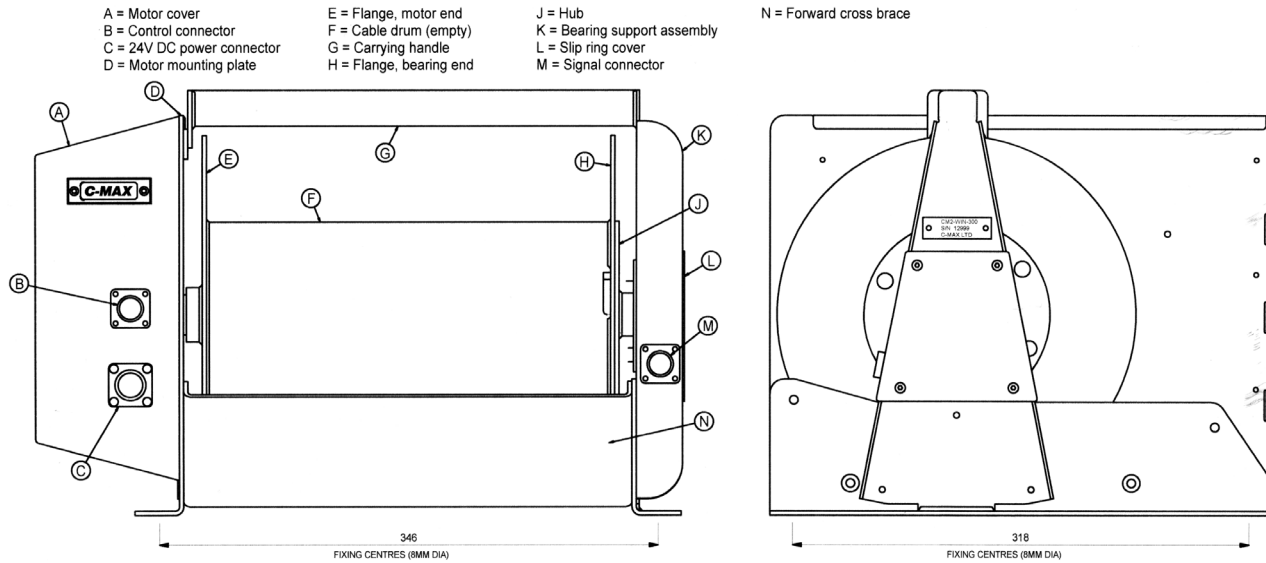
24V DC, 30-40A heave, 14-16A veer  
5m flying leads

**6. MECHANICAL**

Stainless steel construction  
Worm drive (no brake)  
“Soft start” acceleration  
Automatic overload clutch

Dimensions and weight:

452mm x 350mm x 297mm (W x D x H); 20kg empty, 47kg with 300m cable  
 See illustration below for mounting dimensions.



The above specifications may be changed without notice.

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