

	04/07/2012	File Ref : 1208(a)
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Rev	date	Comment	by
-	120319	Initial Sample Offer T277	BJ
a	120320	qty * boat weight * # pers * ATEX * Hinst.	BJ
(-)	120420	Registered under File 1208	BJ
a	120524	Fall wire lengths and new ATEX area	AR

**COSALT proj. 51602415**  
**Electric Winche(s) for Cantilever-davit Type**  
**TOTAL North ALWYN \*\* Winch-replacement**

**Comments to the enquiry documents**

As usually, ACEBI does not copy the winch which is actually in place, we only try to ensure the interfacing with the existing surroundings and the reel technical needs on the system.

The below datasheet is to be checked for the compliance with the existing boat characteristics the davit criterias concerning the fleet-angle of ropes and the really installed diameter of the ropes and the reel lowering height from Boat deck to LAT with the additional margin for extreme conditions.

**NOTA:** Our offer is based on an estimated suspension weight of 2 times 60 Kg,  
3 AFT & 2 FWD sheaves with bronze bushes (efficiency: 0,96) between winch and hooks  
and a difference of hookload of less than 5%

**Following questions need to be replied to ensure Offer compliance**

Number of winches, Left hand and Right hand are needed

Replies 120319  
1\*Right + 1\* Left

Wished delivery date

Name of vessel or rig                      Owner or Operator

North Alwyn TOTAL

The Boat weight empty

4140 kg

How many persons are added for lowering? at 98 kg per man I guess, or.....?

44\*98 kg

In case of combined LB/RB Service please precise this request

NO RB use

Total Davit load

8512 kg

Is there 2 Tackles single reeved Service or 2 Tackle double reeved service

2 Tackles Single reeved

Electric supply on board

440/3/60

What is the actual installed power of the winch motor

later

Safe Area or Hazardous area installation

Z1-Ggr.-IIC-T4

For which type of davit the winch is used                      I suppose Cantilever type?

A-Frame Cantilever

(send drawing or pictures for evaluation of involved Number of sheaves etc)

3 + 2 shall be confirmed

Installation height for the determination of gravity speed

35 m

Additional margin for List & Trim to calculate the drum capacity

15 m

What is the diameter of the existing wire rope, to check if suitable for new application

22 mm could be changed

Fixed end is with Thimble or Wedge-socket or Spelter socket

Wedge Socket

Please give the dimensions A & B on the Preliminary Drawing (SHEAVES POSITIONNING)

later, is important for span

Is the boat also to be lifted fully laden + 10% for periodical testing

No

EU/MED certificate will be OK?

OK

Also please indicated the COSALT Project reference

51602415

**NOTA: to ensure standard executin on the offered winch, tye change the wire-rope with a new ø 20 mm wire is mandatory**

**TECHNICAL DATA-SHEET SPECIFICATION** Per Rig

<b>2 Elect. Winch(es)</b>	<b>TBE-20-III</b>	Prelim. G.A. Dwg: <b>TBE-III-86</b>
Single Reeved Twin-Tackle Service		1 * as drawn & 1 * symmetrical
Design Criteria: For Cantilever davit	LB Service only	<b>EI. V/P/Hz 440 / 3 / 60</b>
Certificate: MED-EU/BV Flag: UK	Latest SOLAS Rules	<b>Z1-Ggr.-IIC-T4</b>

Installation height to LAT	( 115 feet )	35,0	m estimated
LOWERHEIGHT = drum capacity (List & Trim)	( 164 feet )	50,0	m (max)
Gravity Loweringspeed	.....approx.	54 to 66	m/min
<b>Function:</b> Gravity launch of fully laden boat.		( 44 persons )	
Electric recovery of the boat with staff.		( 3 persons )	
Emergency hoist by crank handle		of empty boat with staff	

**Suitable for Lifeboat:**

EMPTY WEIGHT with equipment .	.....Kg	4200
(98 Kg / pers.) DAVITLOAD with 44 Persons	.....Kg	8512

<b>Winch:</b>	<b>MWL:</b>	<b>83,9</b>	<b>kN</b>	<b>*</b>	<b>MHL:</b>	<b>44,5</b>	<b>kN</b>
							<u>LB service only</u>
Hoistspeed	(with 4532 kg)	.....m/min	9,0				
Motorpower (S2-10 min).....	.....KW	11,0					
Motor speed	.....RPM	1740					
Winch weight	.....Kg abt.	1200					

**Scope of supply**

<b>Electrics for: Z1-Ggr.-IIC-T4</b>	
El. motor " IP 55 - Isol. class F. - Temp. raise cl. B with standstill heater (110/1/60)	(Ex-Proof)
Electr. limit switch, IP 65. (1* Crankhandle shaft)	

Totally enclosed electric winch with two smooth drums, to be bolted on davit gantry.  
 DEAD MAN winch brake in compliance with SOLAS  
 Each drum for single wire service (boat speed = rope speed)

**Drum:** ø340 mm // length 320 mm // distance of drum centers 650 mm  
**Capacity:** Per drum, 50 m of rope ø 20 mm, in 3 layers. (plus 3 coils)

DEAD MAN winch brake in compliance with SOLAS  
 Separate remote control drum for DEADMAN-BRAKE actioned from inside the boat,  
 with 4 Stainless Steel pulleys for rope ø 3,2 mm

- **Twist free ropes galvanized rotation resistant, Rope ø 20 mm - 319 KN B.K.L. mini**
- Remote control wire St. Steel, diam 3,2 mm with accessories for STOP & GO

Sandblasting SA 2½ and coated: 50µ Zinc Epoxy Primer, 1 coat

**Also included:**

Work shop tests - Class. certification - Material certificates 3.1  
 All SOLAS required Certificates for ropes, loose equipments or eventual else accessories .  
 Installation / operating / maintenance documents, 1 set(s) in english on CD-Rom

**EXCLUSION of delivery**

- All foundations & connections, if applicable filling pieces for same, together with local stiffening as necessary.
- Ev. needed Protections or Heaters on Winch elements (Brake - Drum - Remote control Pulleys)
- Ev needed De-Icing devices and any Heating Blankets
- Electric Starter box, push button box & ev. else electric supplies
- Erection on bord and assembling of dismanteled parts for transport.
- Cranage facilities. - On Board Tests. - Test weights.
- First oil filling. - Commissioning. - Packing SEI-4 to TOTAL specifications