



BUREAU VERITAS Section ... 25182Y...
REVIEWED
only for parts concerning Classification.
All particulars not shown on this drawing and concerning Classification to be as per Rules.
Turku, 11-Oct-2013
(Electronic document)
The plan approval office

STRAINER PLATE CALCULATION:

CUT OUT 600x500 AREA:	29,14dm ²
-STRAINER PLATE 580x480 AREA:	27,14dm ²
=NET. AREA OF 10MM GAP:	2,00dm ²
+STRAINER PLATE LIGHT OPENING:	11,60dm ²
TOT. LIGHT OPENING STRAINER PLATE:	16,60dm ²

SEA CHESTS DATA:

GENERAL:	Max. SW suction	Simultaneous SW suction
-SW. cooling pump. Engine : (33+7)	= 40m ³ /h	40m ³ /h
-SW. cooling pump. Aux. system :	20m ³ /h	20m ³ /h
-Ballast pump. :	27m ³ /h	
-Fire & deckwash pump. :	25m ³ /h	25m ³ /h
	112m ³ /h	85m ³ /h
-Required sea inlet pipe	ø168,3x11	
-Required sea inlet pipe area:	A=0,017m ²	
-Min. sea inlet strum area :	Ax4=0,067m ²	
SEA CHESTS :		
-Sea chest volum:	Ca. 1,0m ³	
-Netto area of sea chest opening to sea:	0,166m ²	
-Velocity in grating :	0,142m/s	

22					
21					
20					
19					
18	4	BOLT M12x40	AISI 304L		
17	4	PIPE ø26,9x8 L=25 TREADED INV. M12	STEEL		
16	4	PLATE 104x45x12	STEEL		
15	4	PLATE 35x35x17	STEEL		
14	2	ROUNDBAR ø25 L=638	STEEL		
13	8	PLATE 80x35x17	STEEL		
12	8	BOLT M12x40 W/ NUT AND WASHER	AISI 304L		
11	8	PLATE 140x60x12	STEEL		
10	2	PLATE 480x580x25	STEEL		
9					
8					
7	2	CU-ANODE +/- ø100x500			PRELIMINARY
6	6	STIFFNER 100x240x10	STEEL		TO BE BUILT AT SITE
5	6	STIFFNER 250x200x10	STEEL		TO BE BUILT AT SITE
4	2	SLIP-ON FLANGE ND80	St.37-2	NS2527	BV- sert.
3	0,6m	PIPE ND100 (ø88,9x7,8)	STEEL		BV- sert.
2	2	SLIP-ON FLANGE ND150	St.37-2	NS2527	BV- sert.
1	1,72	PIPE ND150 (ø168,3x11)	STEEL		BV- sert.
POS. NO.	NO. OF.	DESCRIPTION	MATERIAL	STANDARD	REMARKS

STEEL PARTS TO BE GALVANIZED AFTER PREFAB.

WEIGHT AND CENTRE OF GRAVITY:			
WEIGHT (APPROX.)	LONGITUDINAL (X),m	TRANSVERSE (Y),m	VERTICAL (Z),m
~ 230kg	18,5m	0 m	0,8m Ab. Bl.

CLASS:
BV, I + Hull +Mach, Special service - Research Ship, Unrestricted Navigation, 100 nm for winter zone, 200 nm for summer zone
ICE-1C, +AUT - UMS, +DYNAPOS-AM, +SYSNEQ

FLAG:
LITHUANIAN

C	Rev. acc to class comments 17.09.13	30.09.13	SS
B	Plate thickness of sea chest boundaries changed to PL 8,0 BV A36	28.06.13	HJB
A	Issued to WBS for approval / comments	13.06.13	HJB

REV.NO.	REVISION	DATE	APPR
CLIENT WESTERN BALTJA SHIPBUILDING			
TITLE ARRANGEMENT OF SEACHESTS		SCALE 1:25	DRAWN SS 06.06.13
PROJECT NO. 297/2		YARD NO. 62	SFI 262
FILE NAME / DRAWING NO. 62-262-102		REV.NO.	C

OWNER	YARD	CLASSIFICATION	MARITIME AUTH.
Approved		17.09.2013	

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