

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
'RANA'		Dutch Groningen DELFTJL	499.47	1957
Moulded Dimensions: Length _____ Breadth <u>8.500</u> Depth <u>3.584</u> Freeboard Length <u>47.900 M.</u> Moulded displacement at moulded draught = 85 per cent. of moulded depth <u>901 m³</u> (excluding bossing) Coefficient of fineness for use with Tables <u>726</u>				

Port of Survey <u>Groningen</u>
Date of Survey <u>March 1957</u>
Surveyor's Signature _____
Particulars of Classification <u>+100 A1</u> <u>(contemplated)</u>

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth 3584	(a) Where D is greater than Table depth (D—Table depth) R =	Moulded Breadth (B)
Stringer plate 10	+ 40	Standard Round of Beam = $\frac{B \times 12}{50}$ =
Wood Sheathing on exposed deck	(b) Where D is less than Table depth (if allowed) (Table depth—D) R =	Ship's Round of Beam =
$T \left(\frac{L-S}{L} \right) =$		Difference
Depth for Freeboard (D) = 3594	If restricted by superstructures	Restricted to
		Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) =$ -4

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
F'cle enclosed					
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
" Total	20.950	20.950			20.890

Standard Height of Superstructure _____

" " R.Q.D. _____

Deduction for complete superstructure 552

Percentage covered $\frac{S}{L} =$

" " $\frac{S_1}{L} =$

" " $\frac{E}{L} = 43.61$

Percentage from Table, Line A. Timber 65.26
(corrected for absence of fore-castle (if required))

Percentage from Table, Line B.
(corrected for absence of fore-castle (if required))

Interpolation for bridge less than .2L (if required)

Deduction = $552 \times .6526 = 360$

Standard Height of Superstructure _____

" " R.Q.D. _____

Deduction for complete superstructure 552

Percentage covered $\frac{S}{L} =$

" " $\frac{S_1}{L} =$

" " $\frac{E}{L} = 43.61$

Percentage from Table, Line A. Timber 65.26
(corrected for absence of fore-castle (if required))

Percentage from Table, Line B.
(corrected for absence of fore-castle (if required))

Interpolation for bridge less than .2L (if required)

Deduction = $552 \times .6526 = 360$

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1				1	
$\frac{1}{8}$ L from A.P. ...		4				4	
$\frac{3}{8}$ L "		2				2	
Amidships	○	4	○	○	○	4	○
$\frac{3}{8}$ L from F.P. ...		2				2	
$\frac{1}{8}$ L "		4				4	
F.P.		1				1	
Total							

Mean actual sheer aft
Mean standard sheer aft =

Mean actual sheer forward
Mean standard sheer forward =

Length of enclosed superstructure forward of amidships =
I,

" " aft of " =

+6

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100ft.

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$

If limited on account of midship superstructure.

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = 3594

Summer freeboard = 120

Moulded draught (d) = 3474

Keel allowance =

Extreme draught =

Deduction for Tropical freeboard and addition for =

Winter freeboard = $\frac{d}{48}$ inches = 72 = 7cm

Addition for Winter North Atlantic Freeboard (if required) = 94 mm = 10 cm

Deduction for Fresh Water.

Displacement in salt water at summer load water line Δ =

Tons per inch immersion at summer load water line T =

Deduction = $\frac{\Delta}{40 T}$ inches = 7cm

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

	+	-
Depth Correction	40	-
Deduction for superstructures	-	360
Sheer correction	6	-
Round of Beam correction	-	4
Correction for Thickness of Deck amidships	-	-
Other corrections, scantlings, etc.	-	-
	46	364

Summer Freeboard =

Timber	SUMMER FREEBOARD amidships from Center of Disc to top of Deck Line, Wood , Steel, Deck : Cent ? at side	12 cm
Timber	Tropical Fresh Water Line above Centre of Disc LTD ... 33 cm	0 cm
Timber	Fresh Water Line " " ... 28 cm	5 cm
Timber	Tropical Line " " ... 26 cm	7 cm
Timber	Winter Line <i>above below</i> " " ... 11 cm	23 cm
Timber	Winter North Atlantic Line <i>below</i> " " ... 12 cm	45 cm
Timber	<i>Summer</i> <i>above</i> " " ... 21 cm	