

Stk

Needle to
No 2

Moulded Dimensions: Leng

Moulded displacement at mould

Coefficient of fineness for use with

Depth for Freeboard (D)

Moulded depth 10 36

Stringer plate 20

Sheathing on exposed deck

$$T \left(\frac{L-S}{L} \right) =$$

(b) When
(Table dep.)

Depth for Freeboard (D) = 10 383

If restricted by superstructures ✓

$$\text{Correction} = \frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) =$$

* See

look

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed <i>equid.</i>	28 083	28 083	2286	✓	28 083
" overhang ...			+647		
R.Q.D. enclosed					
" overhang					
Bridge enclosed <i>equid.</i>	13 912	13 912	2286	$\frac{2286}{2290}$	13 889
" overhang aft					
" overhang forward					
F'cle enclosed	14 722	14 722	2286	✓	14 722
" overhang			+647		
Trunk aft					
" forward					
Tonnage opening aft					
" forward					
Total	56 717	56 717			56 694

Standard Height of Superstructure

" " R.Q.D. ✓

Deduction for complete superstructure 1067

$$\text{Percentage covered } \frac{S}{L} = 40.45\%$$

$$\text{" " } \frac{S_1}{L} = 40.44\%$$

$$\text{" " } \frac{E}{L} = 40.44\%$$

Percentage from Table, Line A. *Tankers* 31.44%
(corrected for absence of forecastle (if required))

Percentage from Table, Line B.
(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

$$\text{Deduction} = 1067 \times .3144 = -335$$

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
P. ...	1422	1		1423		1	1423
from A.P. ...	632	4		632		4	2528
" ...	158	2		156		2	312
amidships ...	✓	4		✓		4	✓
from F.P. ...	316	2		311		2	622
" ...	1263	4		1266		4	5064
" ...	2844	1		2846		1	2846
Total							

$$\frac{\text{Mean actual sheer aft}}{\text{Mean standard sheer aft}} =$$

$$\frac{\text{Mean actual sheer forward}}{\text{Mean standard sheer forward}} =$$

$$\frac{\text{Length of enclosed superstructure forward of amidships}}{L} =$$

$$\text{" " aft of " " } =$$

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

If limited on account of midship superstructure. ✓

If limited to maximum allowance of 1½ ins. per 100 ft. ✓

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

$$\begin{aligned} \text{Depth to Freeboard Deck} &= 10 383 \\ \text{Summer freeboard} &= 2 060 \\ \text{Moulded draught (d)} &= 8 323 \end{aligned}$$

Deduction for Tropical freeboard and addition for

$$\text{Winter freeboard} = \frac{d}{4} \text{ inches} = 17 \text{ cms}$$

Addition for Winter North Atlantic Freeboard (if required) =

Deduction for Fresh Water.

Displacement in salt water at summer load water line

$$\Delta =$$

Tons per inch immersion at summer load water line

$$T =$$

$$\text{Deduction} = \frac{\Delta}{40 T} \text{ inches}$$

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

Depth Correction

Deduction for superstructures

Sheer correction

Round of Beam correction

Correction for Thickness of Deck amidships

Other corrections, scantlings, etc.

$$\frac{1474}{1360}$$

$$+$$

$$-$$

$$259$$

$$-$$

$$-$$

$$-$$

$$-$$

$$-$$

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