

STIX CALCULATION

BOAT	KROHA-15				
Intended Category A-B-C-D	B	B =			PASS
LH (m)	4,47	VC (m?)			
LWL (m)	4,21	FM (m)			
BH (m)	2,11	HD (m)			
BWL (m)	1,86	VC (m?)			
CREW LIMIT (# pers)	4	Min.Hd (m)	0,71		
GZ 90?(m)	0,36	T (m)	0,9		
ASP (m?)	14,8				
HCE (m)	3,52				
HLP (-m)	-1,08				
Angle of downflooding (Adh)	98,0		Min Adh	PASS	
Angle of vanishing stability (Avs)	148,0		Min Avs	PASS	
Area under GZ-curve to Adh (m.deg)	34,5				
Area under GZ-curve to Avs (m.deg)	40,0				
LIGHT SHIP CONDITION	Mass (kg)	X (m)		Z (m)	
LIGHT SHIP MASS (Mlcc) (kg)	910,0	2,6	2366	0,076	69,16
MINIMUM SAILING CONDITION					
Light ship (kg)	910,0	2,6	2366	0,076	69,16
Crew min. (kg)	150,0	3,2	480	1,1	165
Life raft (kg)	0,0	2,6	0	0	0
Basic equipment (kg)	30,0	2,6	78	0,45	13,5
MIN. SAILING MASS (Mmsc)	1090,0	0,4065	731	0,407	61,92
MAXIMUM LOAD CONDITION	Mass (kg)	X (m)		Z (m)	
Light ship (kg)	910,0	2,6	2366	0,073	66,43
Crew min. (kg)	150,0	2,9	435	1,2	180
Crew (#pers) (kg)	150,0	2,6	390	0,7	105
Life raft (kg)	0,0	0	0	0	0
Basic equipment (kg)	30,0	2,6	78	0,45	13,5
Stores (kg)	30,0	2,6	78	0,85	25,5
Water (kg)	40,0	3,2	128	-0,15	-6
Water (kg)	0,0	0	0	0	0
Fuel (kg)	32,0	3,2	102,4	-0,15	-4,8
Hold (kg)	0,0	0	0	0	0
Personal gear (kg)	40,0	2,6	104	0	0
LOADED DISPL. MASS (Mmsc)	1382,0	0,7433	920,35	0,743	94,91
LOADED VOLUME (m?)	1,3				
MAXIMUM LOAD (kg)	472,0				
MAX. Load ex. Fule, Water (kg)	400,0				
STIX 12217-2 DIS				LBS	4,30
Dynamic Stability Factor (FDS)	1,0				
Inversion Recovery Factor (FIR)	1,2			FR	3,77
Knockdown Recovery Factor (FKR)	1,2			FL	0,83
Displacement Length Factor (FDL)	1,1			FB	2,18
Beam Displacement Factor (FBD)	1,0				
Wind Moment Factor (FWM)	1,0			Assigned category = B	
Downflooding Factor (FDF)	1,1			Wave height max ≤ 4m	
STIX	28,0			Windspeed max ≤ Force 8	

Design Categories	A	B	C	D
STIX Lower limits	32	23	14	5

Лист

KPOXA-15 10.50

Изм. Лист N докум Подп. Дата