

09/08/26 17:18:37

GHS 11.50

2.5W WAVE ENERGY CONVERTER

2D5W-PB

CONDITION 2: 55 LBS CABLE TENSION (FULL LOAD)

WEIGHT STATUS

Baseline draft: 0.648 @ Origin

Part-----	Weight(LB)----	LCG-----	TCG-----	VCG-----
LIGHT SHIP	77	0.00	0.00	0.43
Subsea Pull	55	0.00	0.00	0.00
Total Weight----->	132	0.00	0.00	0.25
Distances in FEET.-----				

HYDROSTATIC PROPERTIES

Trim: Fwd 0.01 deg., No Heel, VCG = 0.25

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/					
Draft----	Weight(LB)----	LCB-----	VCB-----	Inch-----	LCF--	Deg trim----	GML-----	GMT	
0.648	132	0.00	0.40	26	0.00	2.50	1.08	1.08	

Distances in FEET.-----Specific Gravity = 1.025.-----Moment in Ft-LB.
Draft is from Baseline.

RIGHTING ARMS vs HEEL ANGLE

LCG = 0.00 TCG = 0.00 VCG = 0.25

Origin	Degrees of	Displacement	Righting Arms		
Depth---	Trim---	Heel---	Weight(LB)----	in Trim--	in Heel--
0.648	0.04a	0.00	132	0.00	0.000
0.645	0.01f	5.00s	132	0.00	0.095
0.638	0.04a	10.00s	132	0.00	0.190
0.627	0.01f	15.00s	132	0.00	0.281
0.612	0.04a	20.00s	132	0.00	0.335
0.594	0.01f	25.00s	132	0.00	0.365
0.575	0.04a	30.00s	132	0.00	0.386
0.555	0.01f	35.00s	132	0.00	0.400
0.534	0.04a	40.00s	132	0.00	0.410
0.513	0.01f	45.00s	132	0.00	0.416
0.492	0.04a	49.34s	132	0.00	0.418
0.489	0.01f	50.00s	132	0.00	0.418
0.483	0.01f	51.25s	132	0.00	0.417
0.463	0.04a	55.00s	132	0.00	0.415
0.434	0.00f	60.00s	132	0.00	0.407
0.402	0.04a	65.00s	132	0.00	0.396
0.367	0.00	70.00s	132	0.00	0.381
0.329	0.04a	75.00s	132	0.00	0.362
0.290	0.00	80.00s	132	0.00	0.341
0.248	0.03a	85.00s	132	0.00	0.317
0.205	9.33a	90.00s	132	0.00	0.286

Distances in FEET.---Specific Gravity = 1.025.-----

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