

Analysis parameters

Bare-hull	[Calc] Holtrop 1984	Appendage	[Off]
Friction line	ITTC	Wind	[Off]
Technique	Prediction	Seas	[Off]
Align to	[Off]	Channel	[Off]
Align by	[Off]	Misc: Margin	[Off]
Correlation allowance	0.00038	Water type	Standard Salt
Roughness (mm)	[Off] 0.0	Mass density	1025.8600 [kg/m3]
3D form factor	[Off] 0	Kinematic viscosity	1.1883e-06 [m2/s]
Speed dependent correction	[Off]		

Prediction results

Vel [kts]	Fn	Rn	Cf	[Cform]	[Cw]	Cr	Ct
8.00	0.149	2.70e+8	0.001813	0.000000	0.000000	0.001197	0.003390
9.00	0.168	3.04e+8	0.001785	0.000000	0.000000	0.001190	0.003355
10.00	0.186	3.37e+8	0.001760	0.000000	0.000000	0.001215	0.003355
11.00	0.205	3.71e+8	0.001738	0.000000	0.000000	0.001300	0.003418
12.00	0.223	4.05e+8	0.001718	0.000000	0.000000	0.001479	0.003577
13.00	0.242	4.38e+8	0.001700	0.000000	0.000000	0.001770	0.003850
14.00	0.261	4.72e+8	0.001684	0.000000	0.000000	0.002183	0.004247
15.00	0.279	5.06e+8	0.001669	0.000000	0.000000	0.002916	0.004965
16.00	0.298	5.40e+8	0.001655	0.000000	0.000000	0.004083	0.006118
17.00	0.316	5.73e+8	0.001642	0.000000	0.000000	0.005192	0.007214

Vel [kts]	Rw/W	Rr/W	Rbare/W	Rw [N]	Rr [N]	Rbare [N]	PEbare [kW]
8.00	0.00000	0.00026	0.00073	0	25992	73632	303
9.00	0.00000	0.00032	0.00091	0	32703	92214	427
10.00	0.00000	0.00041	0.00113	0	41248	113873	586
11.00	0.00000	0.00053	0.00139	0	53393	140361	794
12.00	0.00000	0.00072	0.00173	0	72268	174798	1079
13.00	0.00000	0.00101	0.00219	0	101526	220828	1477
14.00	0.00000	0.00144	0.00280	0	145212	282487	2035
15.00	0.00000	0.00220	0.00375	0	222658	379097	2925
16.00	0.00000	0.00351	0.00526	0	354762	531549	4375
17.00	0.00000	0.00504	0.00700	0	509239	707553	6188

Vel [kts]	Rapp [N]	Rwind [N]	Rseas [N]	Rchan [N]	Rmisc [N]	Rtotal [N]	PEtotal [kW]
8.00	0	0	0	0	0	73632	303
9.00	0	0	0	0	0	92214	427
10.00	0	0	0	0	0	113873	586
11.00	0	0	0	0	0	140361	794
12.00	0	0	0	0	0	174798	1079
13.00	0	0	0	0	0	220828	1477
14.00	0	0	0	0	0	282487	2035
15.00	0	0	0	0	0	379097	2925
16.00	0	0	0	0	0	531549	4375
17.00	0	0	0	0	0	707553	6188

Hull data**General:**

Length between PP	74.000 [m]
WL bow pt aft FP	0.000 [m]
Length on WL	77.900 [m]
Max beam on WL	20.300 [m]
Max molded draft	10.500 [m]
Displacement bare	10300.00 [t]
Wetted surface	2500.000 [m2]
Chine type	Round bilge

Parameters:

Lwl/B	3.8374
B/T	1.9333
Cb	0.6047
Cws	2.8268

Ct-based:

Max section area	195.000 [m2]
Waterplane area	0.000 [m2]
Trim by stern	0.000 [m]
LCB aft of FP	39.500 [m]
Bulb ext fwd FP	0.000 [m]
Bulb area at FP	23.400 [m2]
Bulb ctr above BL	6.000 [m]
Transom area	0.000 [m2]
Transom beam	6.000 [m]
Transom draft	0.000 [m]
Half ent angle	26.300 [deg]
Bow shape	Average flow [Normal]
Stern shape	Average flow [Normal]
Cx	0.9148
Cw	0.8620
LCB/Lpp	0.5338
At/Ax	0.0000
Bt/Bx	0.2956
Tt/T	0.0000

Parameters
: **Holtrop 1984**

Fn(Lwl)	0.1...0.34	0.15	
Fn-high	0.1...0.34	0.32	
Lwl/Bwl	3.9...14.9	3.84	Limit
Bwl/T	2.1...4	1.93	Limit
Cp(Lwl)	0.55...0.8	0.66	
Lambda	0...0.86	0.84	

Appendages**Wetted areas (ex. thruster):**

		[Drag coefficient]
Rudders	0.000 [m2]	[0.000]
Shaft brackets	0.000 [m2]	[0.000]
Skeg	0.000 [m2]	[0.000]
Strut bossing	0.000 [m2]	[0.000]
Hull bossing	0.000 [m2]	[0.000]
Exposed shafts	0.000 [m2]	[0.000]
Stablizer fins	0.000 [m2]	[0.000]
Dome	0.000 [m2]	[0.000]
Bilge keel	0.000 [m2]	[0.000]
Bow thruster diam	0.000 [m]	[0.000]



