

PERFORMANCE REPORT

Date tested: 7/31/25 Test Engineer: Chris Caropepe
Jason Romig

Hull Number: KG001
Location: Lake Michigan - Holland MI
Weather: Sunny - Wind E 5-10 - waves <1'
Water / Air Temp: 76 / 80

Propeller: Mercury Verado V12 Duo Prop 29P
Gear & Gear Ratio: 2 Speed transmission
Fuel Capacity: 500 gallons
Fuel/Water/Waste: 100/100/100
People on Board: 2
Gear on Board: 400 lbs Includes personnel and test equipment
Weight as Tested: 26632 lbs
Engine Mounting: Hole 4

PERFORMANCE:
Acceleration: Idle-30 =11.5 seconds
Optimum Cruise Speed: 35.5 mph @ 4500 RPM / 42.4 mph @ 5000 RPM
Range at Optimum Cruise: 312 / 330 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
700	3.6	3.1	2.5	1.43	1.24	59	0.2	642	558
1000	4.7	4.0	3.6	1.29	1.12	61	0.0	578	503
1500	7.1	6.2	5.3	1.33	1.16	65	0.1	599	521
2000	9.1	7.9	9.2	0.99	0.86	69	0.8	447	389
2500	10.9	9.5	14.3	0.76	0.66	72	1.9	343	298
3000	13.0	11.3	21.0	0.62	0.54	77	3.3	279	242
3500	22.8	19.8	38.9	0.59	0.51	81	5.2	264	229
4000	28.8	25.0	47.0	0.61	0.53	84	5.5	275	239
4500	35.5	30.8	51.1	0.69	0.60	84	5.3	312	271
5000	42.4	36.8	57.8	0.73	0.64	84	4.6	330	286
5500	46.2	40.1	72.5	0.64	0.55	84	4.1	287	249
6000	50.3	43.7	89.6	0.56	0.49	86	4.2	252	219
6146	54.0	46.9	96.5	0.56	0.49	89	4.3	252	219

Note:

Speed determined by GPS, GPH based on the total usage for the engines. MPG computed from MPH and GPH figures shown.

Range based on calculated MPG and 90% of total fuel capacity which represents a 10% reserve. The Performance data shown above should be considered valid only for the specific boat whose serial number is shown and on the date this test was performed.

Many factors may affect actual performance obtained on this boat or on similar boats. These include but are not limited to, installation of certain options such as tuna towers, hard tops, vessel loading and trim, weather and sea conditions, engine and boat condition, propeller condition, water temperature, altitude, manufacturing tolerances, etc. Tiara Yachts make no guarantees whatsoever that this performance will be repeated on this boat at a later date or at any time on a similarly equipped boat.

This boat has passed the ABYC Quick Turn Test H-26.8.3.1 at WOT.

This boat is equipped with the optional gyro.