PERFORMANCE BULLETIN

Boat Manufactured By:

Freeman BOATWORKS

124 Spring Grove Drive • Moncks Corner, SC 29461
(843) 225-1783
www.freemanboatworks.com



FREEMAN 35

Length	35' 10"
Beam	11' 6"
Dry Weight (Boat Mfr. Pub)	10,900 lbs
Maximum HP	1,200 hp
Fuel Capacity	510 gal
Weight as Tested	13,401 lbs

XF450USA2 / LXF450USA2

Horsepower	450 hp
Induction	DI/VCT/DOHC
Displacement	5.6L
Weight (Estimated)	988 - 988 lbs
Gear Ratio	1.79:1

ENGINE MOUNTING HEIGHT

Mounting Hole Position	#1
Ventilation Plate Height	1" Above Boat Bottom

PROPELLER(S)

Series	XTO EC
Diameter x Pitch	16-3/8 x 21
Yamaha Part #	6KP-45978-00-00 / 6KN-45978-00-00
Propeller Material	Stainless Steel

TEST CONDITIONS

Number of People	2
Air / Water Temperature (Fahrenheit)	70° F / 68° F
Elevation (in feet above sea level)	0'
Wind Velocity	5-10 MPH

COMMENTS

Test weight includes 225 gallons of fuel, 5 batteries, 36v bow mounted trolling motor , safety and test equipment.

YPB#: PB_35_FRE_T_XF450USA2_21XTOEC_4-22-2026_OCC

Engine: *Yamaha XF450USA2 / LXF450USA2*

Boat: *Freeman 35*

Configuration: *Twin*

Test Date: *22-Apr-2026*



PERFORMANCE DATA

RPM	MPH	GPH	MPG
1000	6.3	3.6	1.75
1500	8.6	6.3	1.37
2000	10.6	10.3	1.03
2500	17.3	16.1	1.07
3000	24.4	19.2	1.27
3500	**32.8**	**21.9**	**1.50**
4000	39.8	30.3	1.31
4500	46.5	40.9	1.14
5000	52.7	52.1	1.01
5500	57.9	61.9	0.94
5950	**64.0**	**78.3**	**0.82**

0-30 MPH: 8.70 seconds

NOTICE TO CONSUMER
The information and data contained in this Performance Bulletin is approximate and subject to many different factors and variables. It is provided as a guideline only and should not be relied upon as representative of actual performance. Your boat's performance may be different than the information contained in this Performance Bulletin due to various factors, including your boat's actual weight, wind and water conditions, temperature, humidity, elevation, bottom paint, boat options affecting wind/water drag and/or boat weight, and operator ability. Please confirm the specifications and performance data on your specific boat/engine combination with your dealer prior to purchase. Please also keep in mind that the data contained in this Performance Bulletin may or may not have been performed using Yamaha PowerMatched components. Yamaha reserves the right to change the specifications and performance data of this Performance Bulletin or engine without notice. This document contains many of Yamaha's valuable trademarks. It may also contain trademarks belonging to other companies. Any references to other companies or their products are for identification purposes only, and are not intended to be an endorsement.