

# Performance Bulletin

YPB#: PB\_CPH\_31CC\_t\_F350TXR\_8-3-07\_OCC

Test Date:

8/3/07

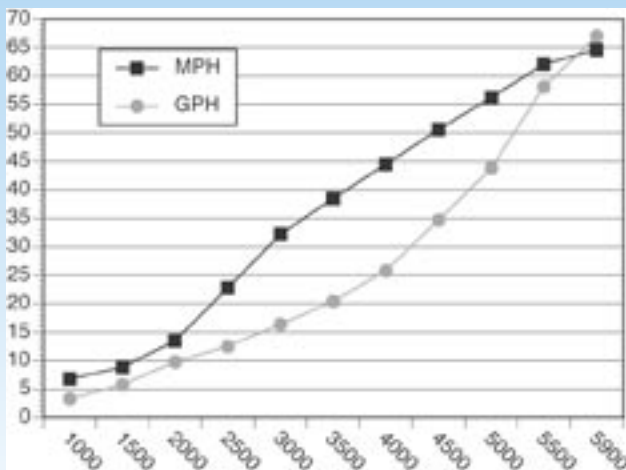


F350TXR / LF350TXR

## Performance Data

RPM	MPH	GPH	MPG
1000	6.8	3.3	2.06
1500	8.8	5.8	1.52
2000	13.5	9.8	1.38
2500	22.8	12.5	1.82
<b>3000</b>	<b>32.2</b>	<b>16.4</b>	<b>1.96</b>
3500	38.5	20.4	1.89
4000	44.5	25.8	1.73
4500	50.6	34.7	1.46
5000	56.2	43.8	1.28
5500	62.1	58.1	1.07
<b>5900</b>	<b>64.6</b>	<b>67.0</b>	<b>0.96</b>

Seconds to Plane **4.01**



Test performed and certified by Yamaha Application Engineers.

**Boat Manufactured By:**

Fabbro Marine Group • 5552 Industrial Boulevard • Milton, FL 32583  
(850) 626-2211 • www.capehornboats.com

## Cape Horn 31 CC

Length	31' 8"
Beam	9' 1"
Dry Weight (published)	4,900 lbs.
Max HP	700
Fuel Capacity	290 gals.
Weight as Tested (approximate)	8,779 lbs.

## Yamaha F350TXR / LF350TXR

Horsepower	350
Fuel Induction	Electronic Fuel Injection
Displacement	325.3 cu. in.
Weight	804 lbs.
Gear Ratio	1.73
Mounting Height	#1

## Propeller

Series	Saltwater Series XL
Diameter/Pitch	15-1/4 x 23
Yamaha Part #	6AW-45976-00-00 / 6AX-45976-00-00

## Test Conditions

Number of People	3
Air Temperature	93° F
Water Temperature	85° F
Elevation	Sea Level
Wind Velocity	0-5 MPH

**Comments:**

Test weight includes 75 gallons of fuel, three batteries, full electronics, T-top, leaning post/livewell, 90 gal. water in livewells, safety and test equipment.

**Note:**

Data may vary due to changes in weather, elevation, options and equipment, load and boat bottom conditions. Fuel data gathered with Yamaha's Command Link® fuel management system. Speed data gathered with GPS receiver.

**For more information:**

Yamaha Motor Corp., USA • OEM Division, Marine Group  
1270 Chastain Road NW • Kennesaw, GA 30144 • (800) 88-YAMAHA  
For other Performance Bulletins, visit [www.yamaha-motor.com](http://www.yamaha-motor.com).



**BULLETIN#:** PE707

**ENGINE:** E300DPXSEC  
E300DCXSEC

**BOAT TYPE:** Offshore

**DATE OF TEST:** 9/25/08



Bombardier Recreational Products Inc.  
10101 Science Drive  
Sturtevant, WI 52177  
[www.evinrude.com](http://www.evinrude.com)



Fabbro Marine Group, Inc.  
5540 Industrial Blvd.  
Milton, FL 32583  
850-626-2211

[www.capehornboats.com](http://www.capehornboats.com)



### 2009 Cape Horn 31

BOAT	
<b>2009 Cape Horn 31</b>	
Material:	Fiberglass
Length:	31' 8"
Beam:	9' 1"
Weight w/o Engine:	4900 LBS Dry
Maximum HP:	600 HP
Fuel Capacity:	290 Gallons
Transom Height:	25" Shaft
Steering:	Hydraulic

ENGINE	
<b>2009 Evinrude® 300 HP ETEC® Twin</b>	
Engine Type:	90° V6
Horsepower:	300 HP @ 5500 RPM's
Displacement:	3.4 Litre
Induction:	ETEC DFI
Operating Range:	5000-6000 RPM
Weight:	2 x 528 LBS Dry Weight
Gear Ratio:	1.85:1

PROPELLER	
<b>BRP Rebel®</b>	
Material:	Stainless Steel
Diameter/Pitch:	15 1/8" x 20"
No. of Blades:	3
Part Number:	763992/763993
MOUNTING HEIGHT	
Hole Position:	#1
Jack Plate:	N/A
AV Mounting:	N/A

PERFORMANCE DATA				
RPM	MPH	GPH	MPG	RANGE
500	3.0	0.45	6.8	1768
1000	6.5	1.47	4.4	1149
1500	8.6	3.64	2.4	617
2000	10.7	8.45	1.3	331
2500	17.9	13.75	1.3	340
3000	26.9	16.07	1.7	437
<b>3500</b>	<b>33.6</b>	<b>19.35</b>	<b>1.7</b>	<b>453</b>
4000	39.6	24.60	1.6	420
4500	44.3	33.67	1.3	343
5000	48.8	44.22	1.1	288
5500	52.5	51.64	1.0	265
5750	55.6	52.61	1.1	276
<i>Range (Miles) Based On 90% Fuel Capacity</i>				

TEST CONDITIONS	
Water Conditions:	Moderate Chop
Wind Velocity:	10-15 MPH
Air Temperature:	90° F
Fuel Load:	174 Gallons
Weight:	2 Men, Fuel, test & safety gear, T-Top, 3 batteries

PERFORMANCE SUMMARY	
Top Speed:	<b>55.6 MPH</b>
Best Fuel Efficiency:	<b>1.7 MPG with a range of 453 Miles @ 33.6 MPH</b>
Acceleration:	<b>4.67 seconds to plane</b>

NOTE: Data may vary due to changes in weather and water conditions, elevation, load and boat bottom conditions, boat, engine and propeller options and conditions, and operator ability. Speed and fuel were calculated by NMEA 2000 I-Command. Test performed and certified by BRP OEM Applications Engineering.

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Test Date: 3/26/2010

PERFORMANCE			
RPM	MPH	GPH	MPG
1000	6.8	2.6	2.67
1500	8.2	4.4	1.89
2000	14.0	6.5	2.16
2500	20.4	9.5	2.15
3000	29.8	13.0	2.29
3500	36.2	16.9	2.14
4000	42.3	23.2	1.82
4500	47.0	29.1	1.62
5000	52.5	36.5	1.44
5500	57.3	44.8	1.28
5800	60.3	52.6	1.15
ACCELERATION			
TIME TO PLANE		3.58	
0 ~ 30 MPH		6.08	
RADAR GUN			
COMMENTS			
Boat equipped with FRP T-Top, FRP Leaning Post/Livewell, two batteries, 70 gallons,			
TEST CONDITIONS			
NUMBER OF PEOPLE		2	
AIR / WATER TEMP (Fahrenheit)		65° F / 65° F	
ELEVATION (IN FEET ABOVE SEA LEVEL)		Sea Level	
WIND VELOCITY		10~15 mph	

MANUFACTURER INFO	
NAME:	Cape Horn - Fabbro Marine
STREET:	5552 Industrial Blvd.
CITY, STATE, ZIP:	Milton, FL 32583
PHONE:	850-626-2211
FAX:	850-626-2981
WEBSITE:	www.capehornboats.com
BOAT DETAILS	
BOAT MODEL	31T
LENGTH	31' 8"
BEAM	9' 1"
DRY WEIGHT (Boat Mfr. Pub.)	4900
MAXIMUM HP	700 HP
FUEL CAPACITY	290
WEIGHT AS TESTED	7070
ENGINE DETAILS	
ENGINE MODEL/S	F300XCA / LF300XCA
HORSEPOWER	300 HP @ 5500 RPM
INDUCTION	EFI/VCT/DOHC
DISPLACEMENT	256.3 CI
WEIGHT	558 LBS
GEAR RATIO	1.75
ENGINE MOUNTING HEIGHT	
MOUNTING HOLE POSITION	#1
VENTILATION PLATE HEIGHT	na
PROPELLER/S	
SERIES	SALTWATER SERIES II
DIAMETER/PITCH	15 x 21
YAMAHA PART # (sgl/twin)	6D0-45972-00-00 ( R ) / 6D1-45972-00-00 ( L )
YAMAHA PART # (center)	
PROPELLER MATERIAL	POLISHED STAINLESS STEEL