

2015



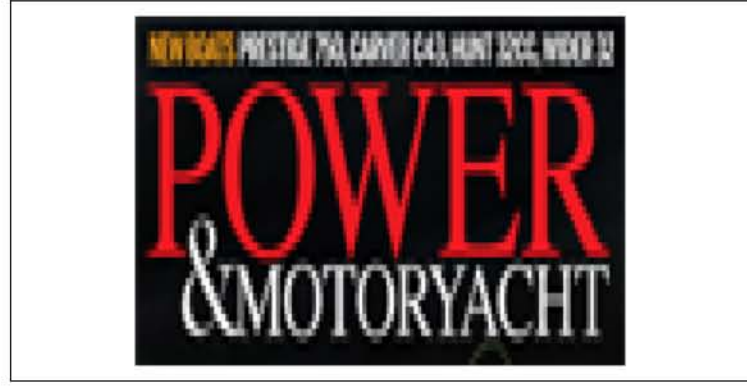
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BOATS

BOAT TESTS

Bavaria Virtess 420 Coupe

By [Chris Caswell](#)



Boat Tests

SPECIFICATIONS

Builder: Bavaria

LOA: 44'8"

Model: Bavaria Virtess 420 Coupe

Beam: 13'10"

Model Year: 2015

Draft: 3'8"

Boat Type:

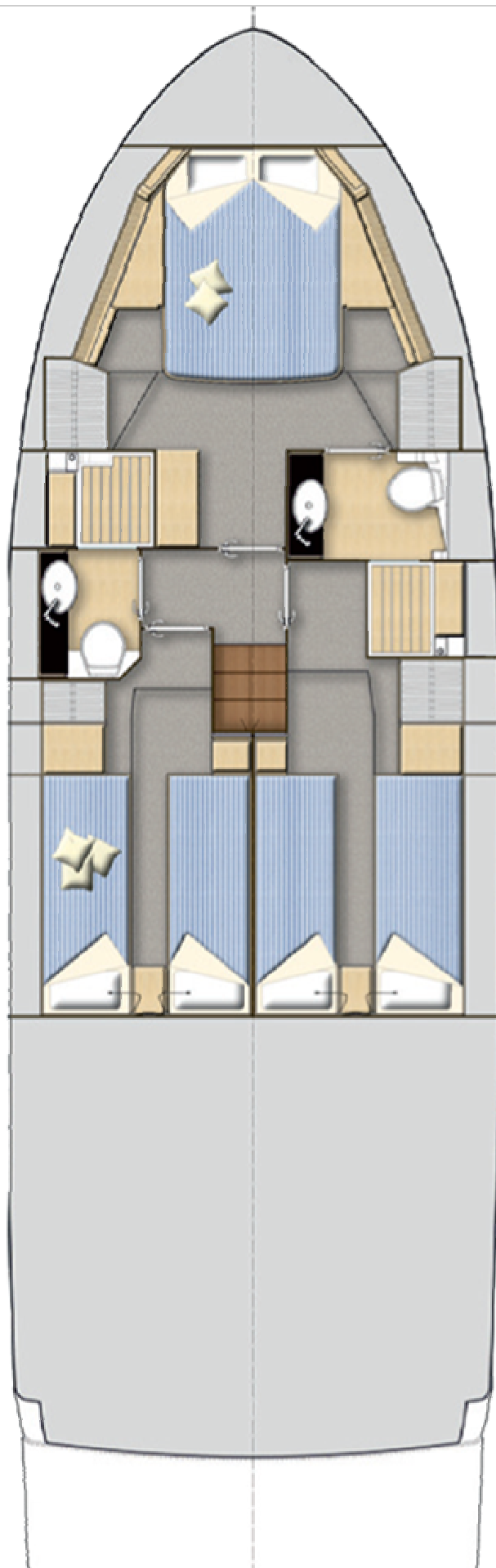
Displacement: 24,250 lb.

Warranty 2 years bow-to-stern hull and systems

Standard Power: 2/370-hp Volvo Penta IPS500s

Fuel Capacity: 317 gal.

Water Capacity: 108 gal.



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BOAT TESTS

Bavaria Virtess 420 Coupe

By [Chris Caswell](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity: 70%; seas: 2-3'

LOAD DURING BOAT TEST

165 gal. fuel, 108 gal. water, 3 persons.

TEST BOAT SPECIFICATIONS

Test Engine: 2/435-hp Volvo Penta IPS600s

Transmission/Ratio: Volvo Penta, 1.70:1 gear ratio

Props: Volvo Penta P2 propset

Price as Tested: \$729,900

The Numbers

Bavaria Virtess 420 Coupe - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	db(A)
1000	7.0	2.2	906	65
1500	9.5	7.0	386	66
2000	11.5	17.6	186	74
2500	21.0	22.0	271	75
3000	29.0	31.6	261	76
3450	35.7	44.0	231	77

Speeds are two-way averages measured with GPS display.

GPH estimates taken via Volvo Penta display. Range is based on 90% of advertised fuel capacity.

Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: 2/Volvo Penta IPS600s incl. joystick

DuraDeck on cockpit and swim platform

hydraulic swim platform

electronics package (prices upon request).

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BOATS

BOAT TESTS

Jarrett Bay 43 HTX

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Jarrett Bay

LOA: 43'0"

Model: Jarrett Bay 43 HTX

Beam: 14'10"

Model Year: 2015

Draft: 3'10"

Boat Type: Sportfisherman

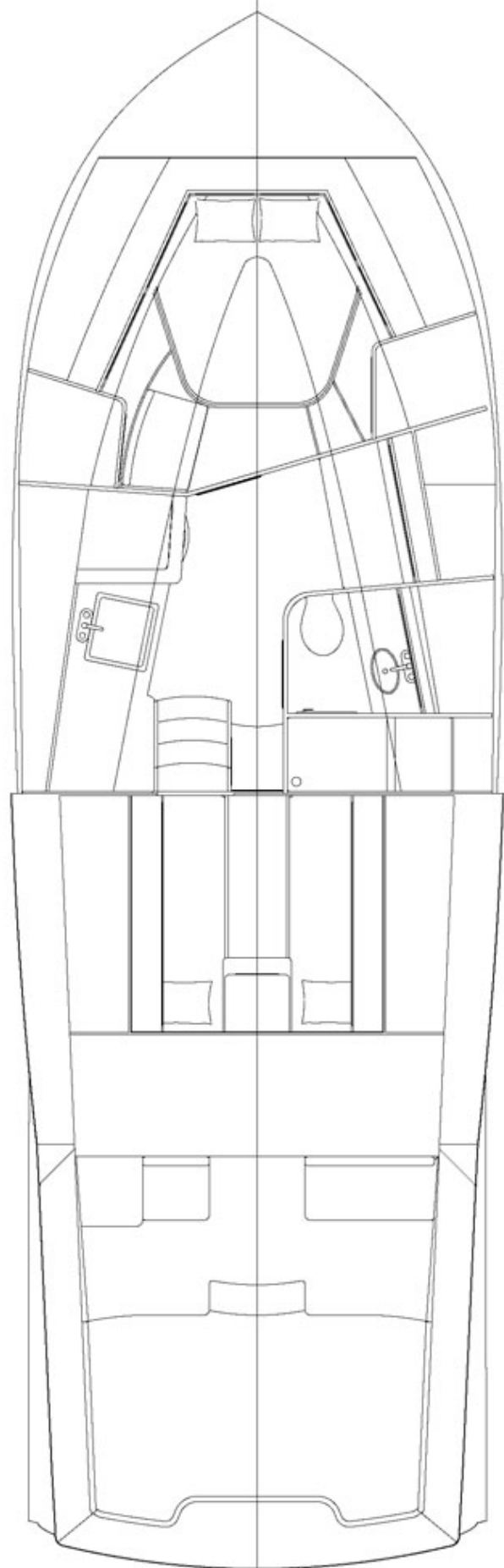
Displacement: 36,750 lb.

Generator 13.5-KW Cummins

Fuel Capacity: 630 GAL.

Warranty Standard 1 year on construction

Water Capacity: 100 GAL.





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Jarrett Bay 43 HTX

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity 60%; seas: 4-5'

LOAD DURING BOAT TEST

500 gal. fuel, 100 gal. water, 2 persons, 1,500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/600-HP Cummins Zeus pods

Props: Merucry M9 5-blade (forward), M8 4-blade (aft)

Price as Tested: Upon request

The Numbers

Jarrett Bay 43 HTX - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	4.6	1.5	1739	67
1000	8.1	4.5	1021	71
1500	10.1	8.1	707	77
2000	19.3	15.2	720	77
2300	24.3	20.2	682	81
2600	28.7	27.9	583	82
2920	33	31.7	590	83
3080	35.4*			

***WOT speed provided by the builder.**

Speeds are two-way averages measured w/ GPS display. GPH estimates taken via Cummins display.

Range is based on 90% of advertised fuel capacity.

Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Palm Beach tower

AME electronics package

maple and sapele soles

hidden baby gate between accommodations and saloon levels

teak toerail

teak transom

underwater LED lights

in-transom fishbox (Prices upon request).

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BOATS

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Aquila 44

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: MarineMax

LOA: 44'11"

Model: Aquila 44

Beam: 21'6"

Model Year:

Draft: 2'8"

Boat Type: Catamaran

Displacement: 40,212 lb.

Price (Fully Optioned) \$835,000

Standard Power: 2/225-hp Volvo Penta D4-225 diesels

Generators 9-kW Northern Lights

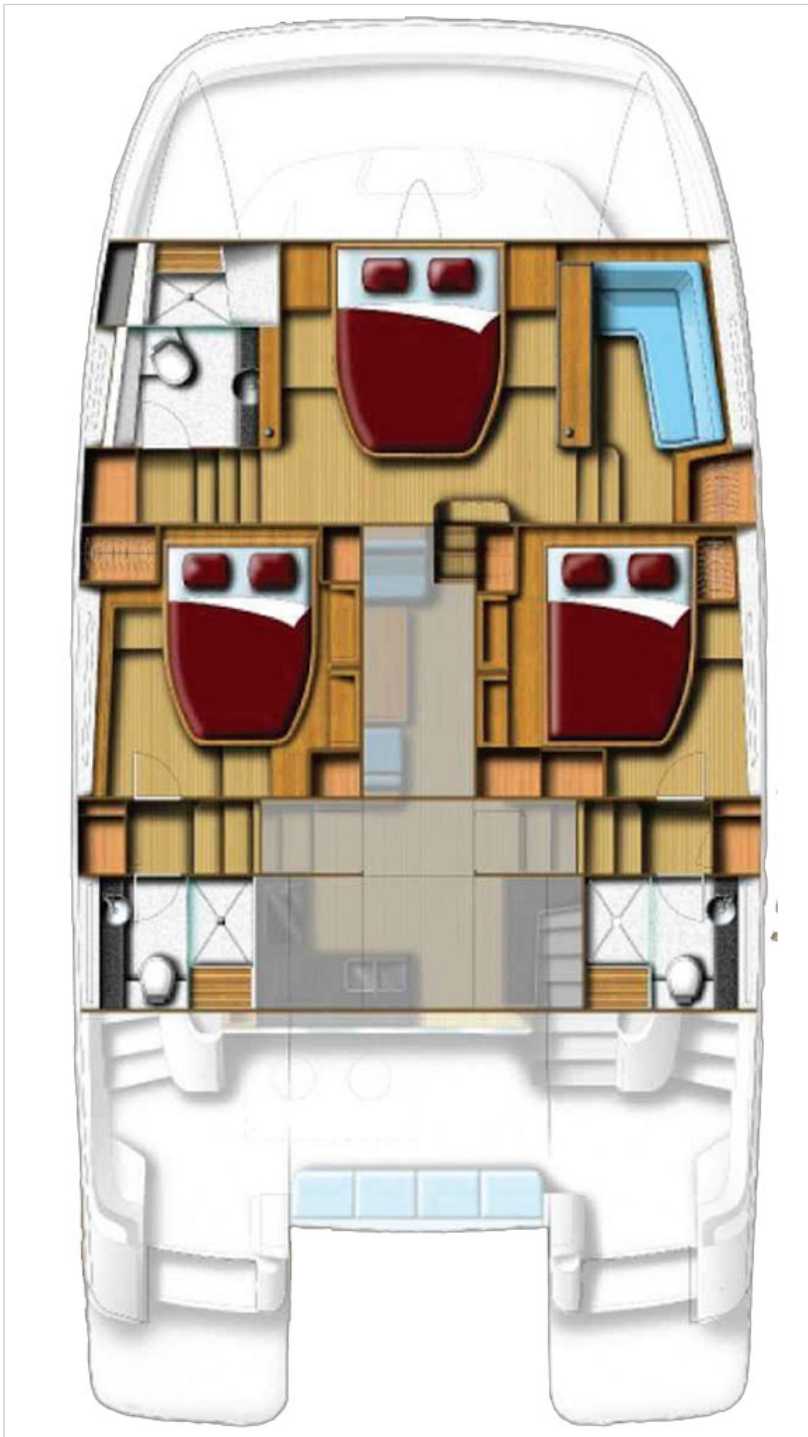
Optional Power: 2/-300-hp Volvo Penta D4 diesels

Warranty 5-year limited structural hull and deck

Fuel Capacity: 290 gal.

Water Capacity: 180 gal.

Layout Diagram



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BOAT TESTS

Aquila 44

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

(same for both versions of the 44) Air temperature: 69°F; humidity: 67%; seas: calm; wind: variable, light;

LOAD DURING BOAT TEST

280 gal. fuel, 50 gal. water, 3 persons (2 persons on modified vessel), 50 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/225-hp Volvo Penta D4-225 diesels

Transmission/Ratio: ZF HS63IVE-D w/ 2.48:1 ratio

Props: 20 x 23 BT Marine 4-blade bronze

Price as Tested: \$721,000

The Numbers

Aquila 44 (With Modifications) - Final Boat Test Numbers:					Aquila 44 (Without Modifications) - Final Boat Test Numbers:				
RPM	KNOTS	GPH	RANGE	dB(A)	RPM	KNOTS	GPH	RANGE	dB(A)
700	2.4	0.5	1,253	52	700	2.5	0.4	1,631	55
1000	3.6	1.3	723	55	1000	3.5	1.2	761	60
1500	5.6	2.5	585	63	1500	5.3	2.4	576	65
2000	7.1	5.2	356	68	2000	6.6	5.2	331	76
2500	8.3	10.0	217	71	2500	8.0	10.0	209	76
3000	9.9	17.0	152	73	3000	8.5	17.0	131	77
3200	12.4	18.0	180	75	3200	8.9	21.0	111	78
3560	16.1	24.0	175	73	3240	9.4	22.0	112	82

Speeds are two-way averages measured with Garmin GPS. GPH taken from Volvo Penta display.

Range based on 90% of advertised fuel capacity. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Hatteras GT70

By [Scott Shane](#)



Boat Tests

SPECIFICATIONS

Builder: Hatteras

LOA: 70'6"

Model: Hatteras GT70

Beam: 21'4"

Model Year: 2015

Draft: 5'0"

Boat Type: Sportfisherman

Displacement: 120,000 lb.

Generator 2/21.5-kW Onan

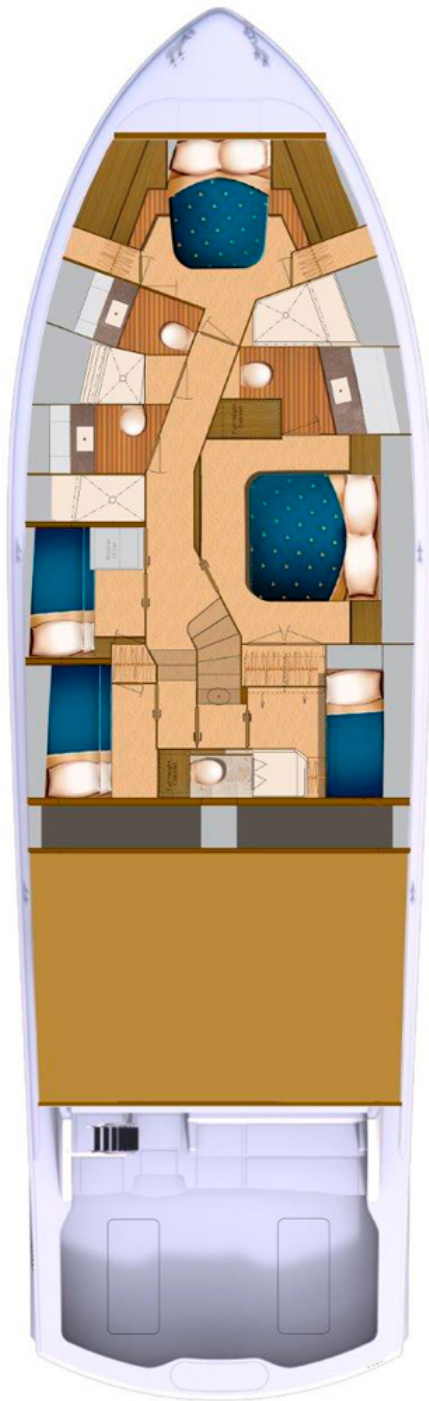
Standard Power: 2/1,900-hp Caterpillar C32 ACERTs

Warranty 2 years stem-to-stern, 10 years structural

Fuel Capacity: 2,140 gal (plus additional 785 gal. optional)

Water Capacity: 330 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Vetus bow thruster
Seakeeper gyro stabilizer
teak packages
Alexseal Rascal Blue custom hull color (all Hatteras Yachts are painted)
enclosed flying bridge
Pipewelders tower
and Maxwell windlass. (Prices upon request).

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BOATS

BOAT TESTS

Hatteras GT70

By [Scott Shane](#)



CONDITIONS DURING BOAT TEST

Air temperature: 69°F; humidity: 87%; seas: 4-6'

LOAD DURING BOAT TEST

1,425 gal. fuel, 330 gal. water, 4 persons, full gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/2,600-hp MTU 16V2000 CR

Transmission/Ratio: Twin Disc 6848 SC w/ 2.93:1 gear ratio

Props: 46 x 69.5 5-blade Michigan Wheel

The Numbers

Hatteras GT70 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE*	dB(A)
600	7.6	9	2223	75
900	12.1	24	1327	81
1200	15.7	50	827	86
1500	21.9	96	601	90
1800	28.5	136	552	93
2100	34.4	180	503	99
2450	41.4	260	416	99

*with optional 2,925 gal. total fuel capacity

Speeds are two-way averages measured w/ Garmin GPS display. GPH taken via MTU engine displays. Range is based on 90% of advertised fuel capacity.

Sound levels measured at the flying-bridge helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

NOTEWORTHY OPTIONS: Vetus bow thruster

Seakeeper gyro stabilizer

teak packages

Alexseal Rascal Blue custom hull color (all Hatteras Yachts are painted)

enclosed flying bridge

Pipewelders tower

and Maxwell windlass. (Prices upon request).

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Jupiter 41 Sport Bridge

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Jupiter

LOA: 40'3"

Model: Jupiter 41 Sport Bridge

Beam: 12'8"

Model Year: 2016

Draft: 3'6"

Boat Type:

Displacement: 22,480 lb.

Generator 1/8-kW Fisher-Panda

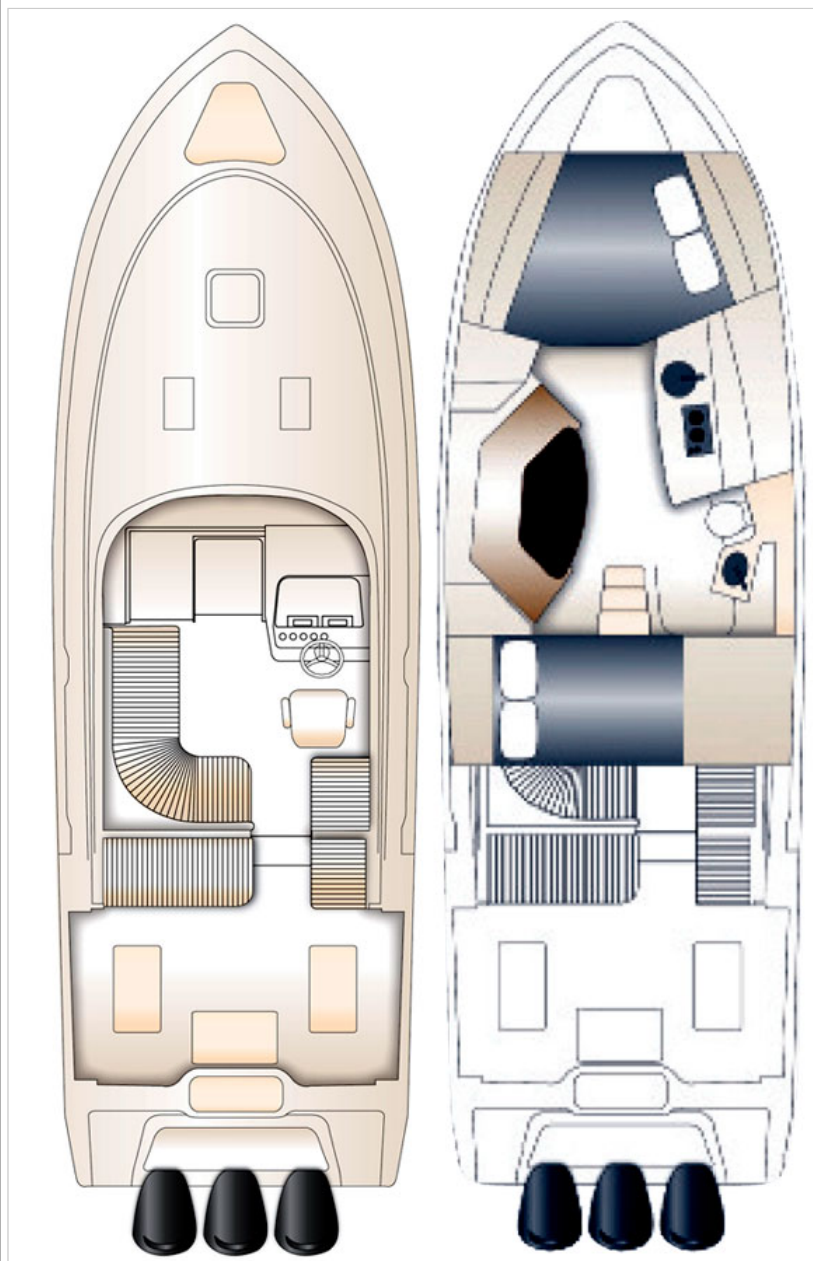
Optional Power: 4/Yamaha four-stroke F300s, a variety of outboards

Warranty basic boat 1 year; limited lifetime hull

Fuel Capacity: 445 gal.

Water Capacity: 80 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Custom Awlcraft paint job (\$8,490)
G.G. Schmitt & Sons tower (\$70,120)
portside entry door (\$10,590)
and Cruisair A/C unit on bridge deck (\$6,485).

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Jupiter 41 Sport Bridge

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 81°F; humidity: 68%; seas: 1' or less; wind: variable, light

LOAD DURING BOAT TEST

350 gal. fuel, 79 gal. water, 4 persons, 100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 3/350-hp Yamaha four-stroke F350s

Transmission/Ratio: Yamaha; 1.73:1 ratio

Props: 15 1/2 x 19 3-blade stainless steel

Price as Tested: \$815,000

The Numbers

Jupiter 41 Sport Bridge - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	3.5	2.3	609	62
1000	5.5	4.6	476	63
1500	7.5	7.9	380	65
2000	9.2	13.0	283	68
2500	10.2	20.6	198	74
3000	12.2	30.0	163	78
3500	18.4	35.9	205	79
4000	27.3	42.2	259	80
4500	32.9	53.0	249	81
5000	37.2	64.3	232	81
5500	40.2	83.9	192	83
5900	44.6	100.5	178	83

Speeds are two-way averages measured w/Garmin MFD. GPH estimates taken via Yamaha monitoring system.

Range based on 90% of advertised fuel capacity.

Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Custom Awlcraft paint job (\$8,490)

G.G. Schmitt & Sons tower (\$70,120)



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BOAT TESTS

Benetti 108 Tradition Supreme

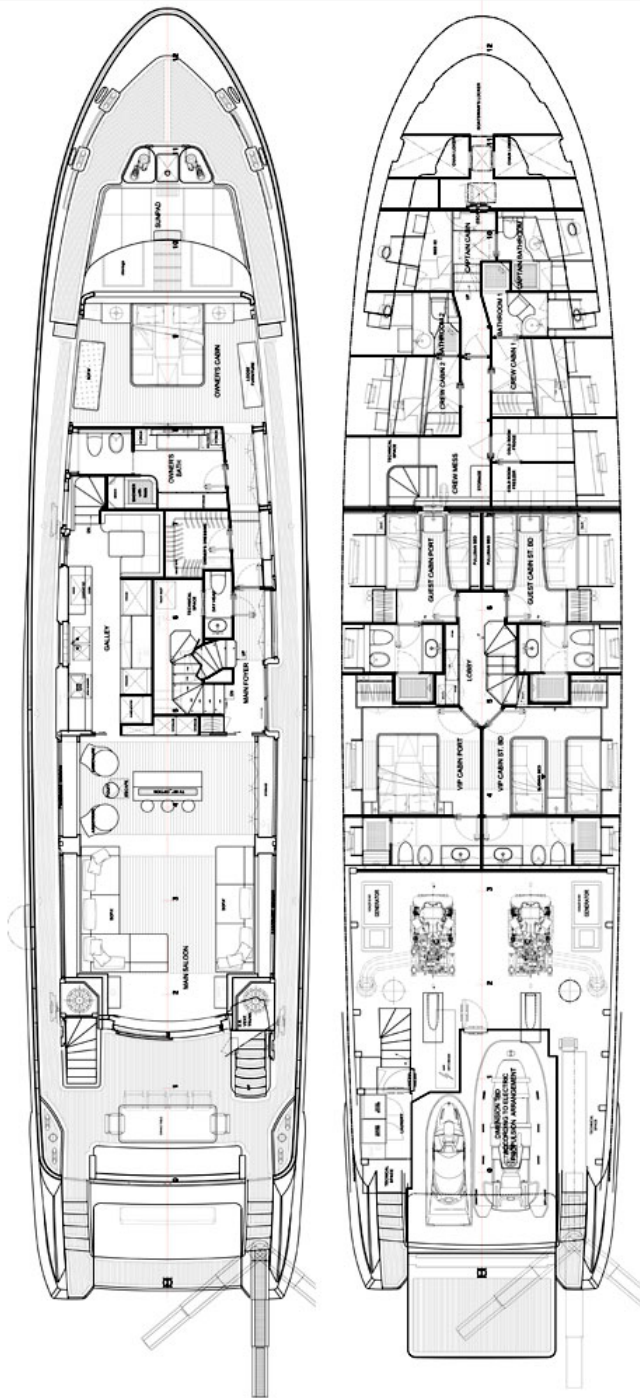
By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Benetti	LOA: 108'4"
Model: Benetti 108 Tradition Supreme	Beam: 24'3"
Model Year: 2015	Draft: 6'7"
Boat Type:	Displacement: 170 tons (full load)
Electric Power 2/80-kW Kilo-Pak gensets and 2/35-kW electric motors	Standard Power: 2/1,000-hp MAN V8-1000s
Stabilizers CMC electric zero-speed fins	Fuel Capacity: 6,340 gal.
Classification C HULL • MACH "Y" LY2	Water Capacity: 925 gal.



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BOATS

BOAT TESTS

Benetti 108 Tradition Supreme

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature: 73°F; humidity: 48%; seas: 1'; wind: 5-7 knots

LOAD DURING BOAT TEST

6,340 gal. fuel; 925 gal. water; 20+ persons.

TEST BOAT SPECIFICATIONS

Props: 49 x 47 5-blade

The Numbers

Benetti 108 Tradition Supreme - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	4.2	3.17	7,560	51
1000	6.9	7.92	4,971	51
1250	8.4	15.32	3,129	51
1500	10.1	24.3	2,372	52
1750	11.4	40.15	1,620	53
2000	12.6	59.44	1,210	54
2250	13.9	85.86	924	56
2340	14.3	105.67	772	58
Diesel-Electric Propulsion:				
	5.5 (max)	10.57	2,969	47

Speeds are two-way averages measured with GPS display. GPH taken via MAN display.

Range is based on 90% of advertised fuel capacity.

Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.

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BOATS

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Sea Ray L650 Fly

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Sea Ray

LOA: 65'1"

Model: Sea Ray L650 Fly

Beam: 17'3"

Model Year: 2015

Draft: 5'1"

Boat Type:

Displacement: 73,500 lb.

Generator 27.5-kW Cummins Onan

Standard Power: 2/1,100-hp Caterpillar C18 ACERTs

Warranty 3 years, bow to stern

Optional Power: N/A

Fuel Capacity: 1,030 gal.

Water Capacity: 140 gal.

Layout Diagram



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BOAT TESTS

Sea Ray L650 Fly

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 90°F; humidity 50%; seas: 1-3'

LOAD DURING BOAT TEST

800 gal. fuel, 164 gal. water, 3 persons, 500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,100-hp Caterpillar C18 ACERTs

Props: Veem 34 x 37

Price as Tested: Upon request

The Numbers

Sea Ray L650 Fly - Final Boat Test Numbers:

RPM	Knots	GPH	Range	dB(A)
600	7.1	4.0	1,645	69
900	9.0	10.0	834	66
1200	11.2	28.0	371	69
1500	13.6	52.0	242	72
1800	19.4	82.0	219	71
2100	25.6	98.0	242	74
2330	30.4	120.0	235	78

Speeds are two-way averages measured w/ GPS display. GPH estimates taken via CAT display.

Range is based on 90% of advertised fuel capacity.

Sound levels measured at lower helm. 65 dB(A) is the level of normal conversation.

On Location

Better Boat: Don't Rock the Boat

If you spend any amount of time at sea, and you don't have stabilizers on your boat—and in particular Seakeeper gyro stabilizers like the ones on my test boat—it's high time you tried them out. With all the ferry traffic when I tested the L650 Fly, the Hudson River felt a bit like an upset bathtub. And without the stabilizers the boat was really rocking. However once the two gyro stabilizers are engaged, it's like magic. It literally feels like a giant hand reached out of the sky and steadied you. Sounds nice, doesn't it?



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BOATS

BOAT TESTS

Ocean Alexander 100 Motoryacht

By [Andrew Parkinson](#)



Boat Tests

SPECIFICATIONS

Builder: Ocean Alexander

LOA: 100'2"

Model: Ocean Alexander 100 Motoryacht

Beam: 23'0"

Model Year: 2015

Draft: 5'6"

Boat Type:

Displacement: 229,900 lb.

Generators 2/53-kW Kohlers

Standard Power: 2/1,925-hp Caterpillar C-32 ACERTs

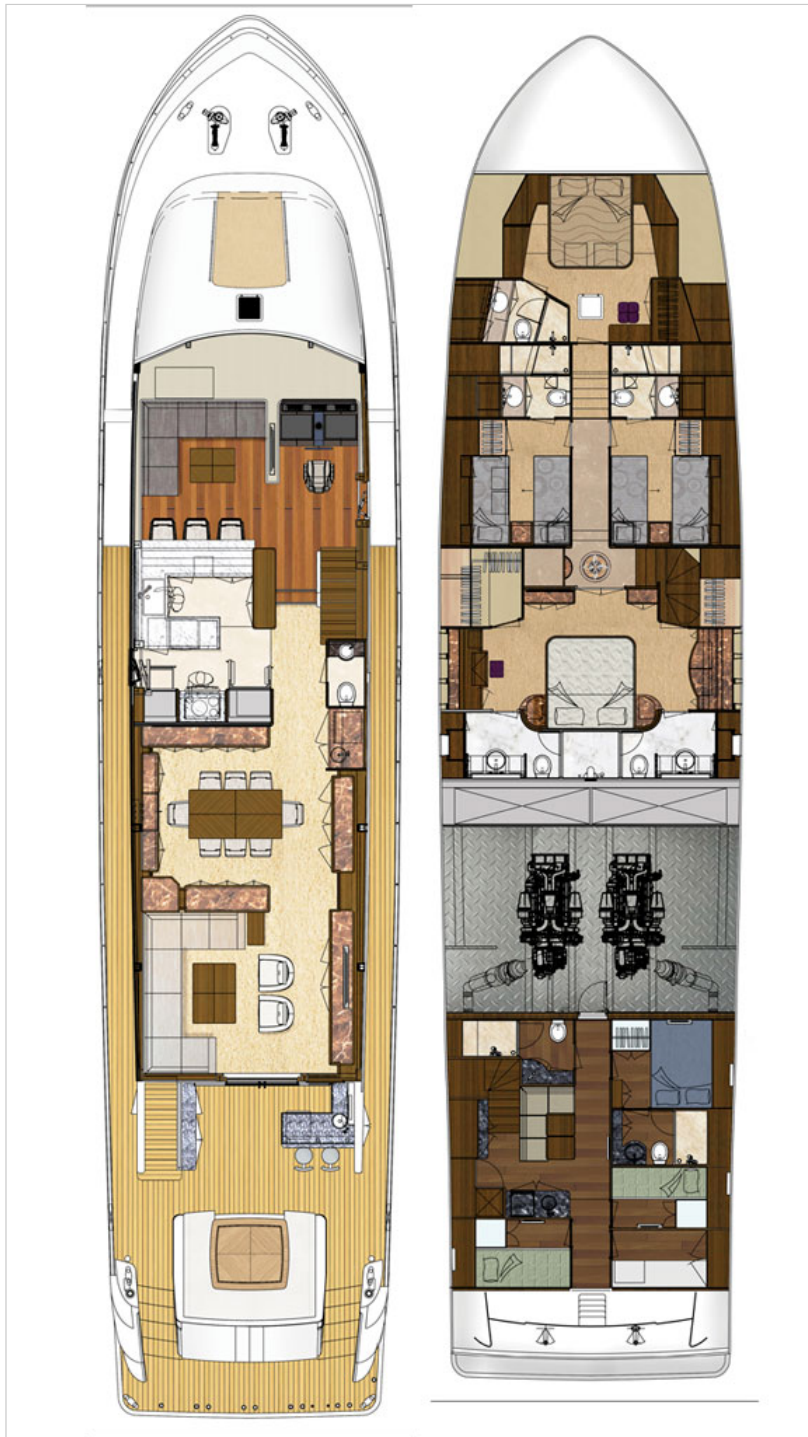
Warranty 1 year on hull and any component not covered by its own warranty

Optional Power: 2/2,400-hp MTU 16V-2000s

Fuel Capacity: 4,000 gal.

Water Capacity: 650 gal.

Layout Diagram



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BOATS

BOAT TESTS

Ocean Alexander 100 Motoryacht

By [Andrew Parkinson](#)



CONDITIONS DURING BOAT TEST

Air temperature: 61°F; water temperature: 75°F; seas: 4-6'; wind 17-26 knots

LOAD DURING BOAT TEST

2,900 gal. fuel, 425 gal. water, 5 persons, and full cruising gear.

TEST BOAT SPECIFICATIONS

Transmission/Ratio: ZF 3055 with 2.952:1 gear ratio

Props: 50x46.5 Nibral 4-blades

The Numbers

Ocean Alexander 100 Motoryacht - Final Boat Test Numbers:

RPM	Knots	GPH	Range	dB(A)
600	6.5	6	3,900	52
900	9.3	15	2,232	54
1200	12.6	32	1,418	56
1500	14.7	63	840	58
1800	16.7	109	552	61
2100	20.5	175	422	64
2300	23.8	204	420	67

Speeds are two-way averages measured w/ Furuno GPS display. GPH taken via CAT display. Range is based on 90% of advertised fuel capacity.

Sound levels are measured at the lower helm. 65 dB(A) is the level of normal conversation.

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BOATS

BOAT TESTS

Prestige 420

By [Capt. Chris Kelly](#) and [George Sass Jr.](#)



Boat Tests

SPECIFICATIONS

Builder: Prestige

LOA: 41'6"

Model: Prestige 420

Beam: 13'0"

Model Year: 2015

Draft: 2'7"

Boat Type: Cruiser

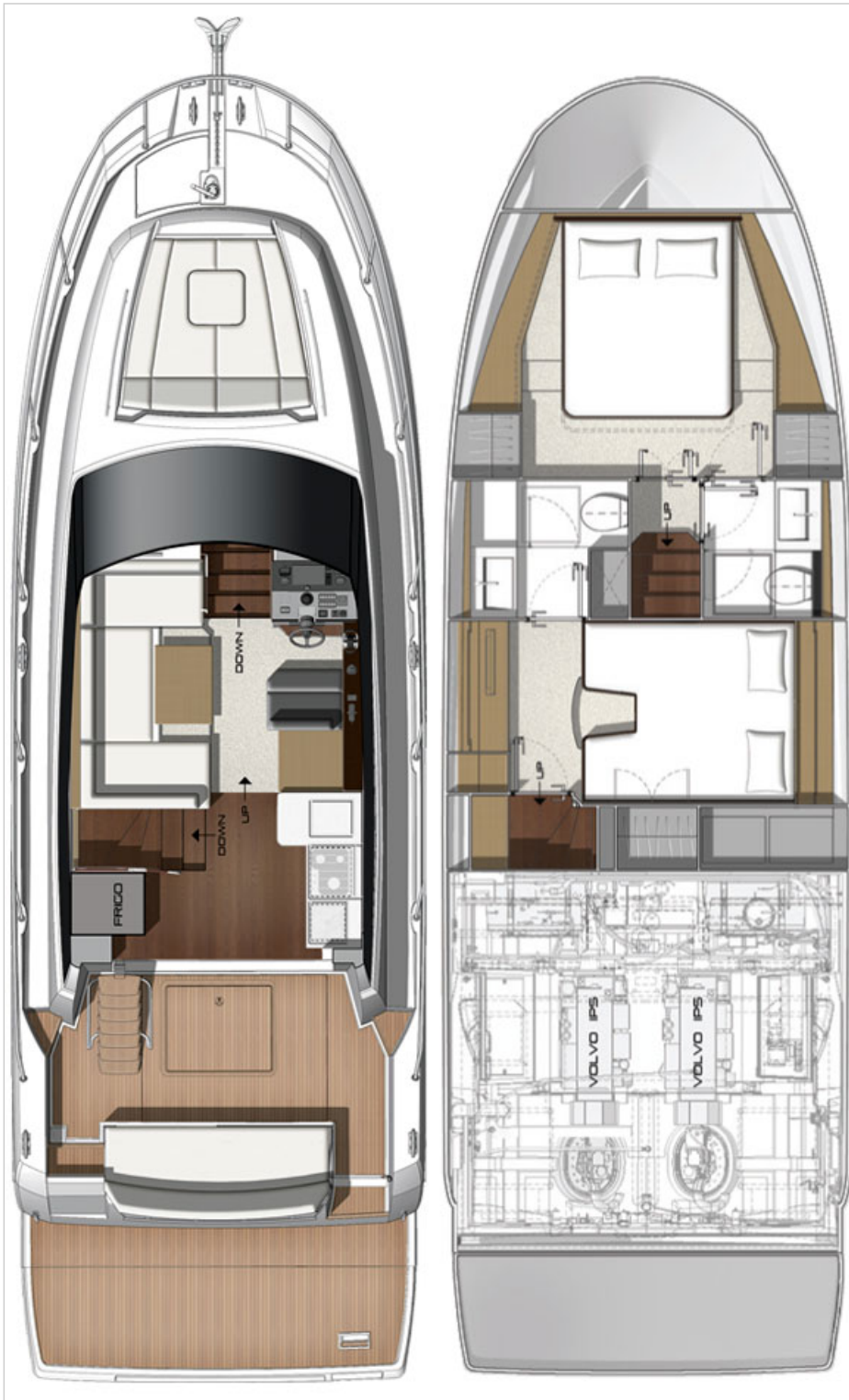
Displacement: 20,977 lb.

Standard Power: 2/300-hp Volvo IPS 400s

Fuel Capacity: 291 gal.

Water Capacity: 106 gal.

Layout Diagram



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BOATS

BOAT TESTS

Prestige 420

By [Capt. Chris Kelly](#) and [George Sass Jr.](#)



CONDITIONS DURING BOAT TEST

Air temperature: 81°F; humidity: 30%; seas: 1' or less

LOAD DURING BOAT TEST

full fuel and water; 4 persons.

TEST BOAT SPECIFICATIONS

Test Engine: 2/370-hp Volvo IPS 500s

Transmission/Ratio: Forward-facing pod 2.5:1

Props: Dual contrarotating T2-210, TS3-TS6

The Numbers

Prestige 420 - Final Boat Test Numbers:

RPM	Knots	GPH	RANGE	dB(A)
600	4.1	0.6	1,790	65
1000	6.3	2.0	825	70
1500	8.7	4.9	465	74
2000	10.3	11.5	235	79
2500	15.3	19.0	211	84
3000	23.2	27.0	225	85
3500	31.2	41.0	199	86

Speeds are two-way averages measured w/ GPS display. GPH estimates taken via Volvo Penta display.

Range is based on 90% of advertised fuel capacity.

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BOATS

BOAT TESTS

Azimut 77S

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Azimut

LOA: 77'5"

Model: Azimut 77S

Beam: 18'3"

Model Year: 2015

Draft: 5'5"

Boat Type: Cruiser

Displacement: 58 tons (full load)

Generators 2/28-kW Kohlers

Standard Power: 3/900-hp Volvo D13-IPS 1200s

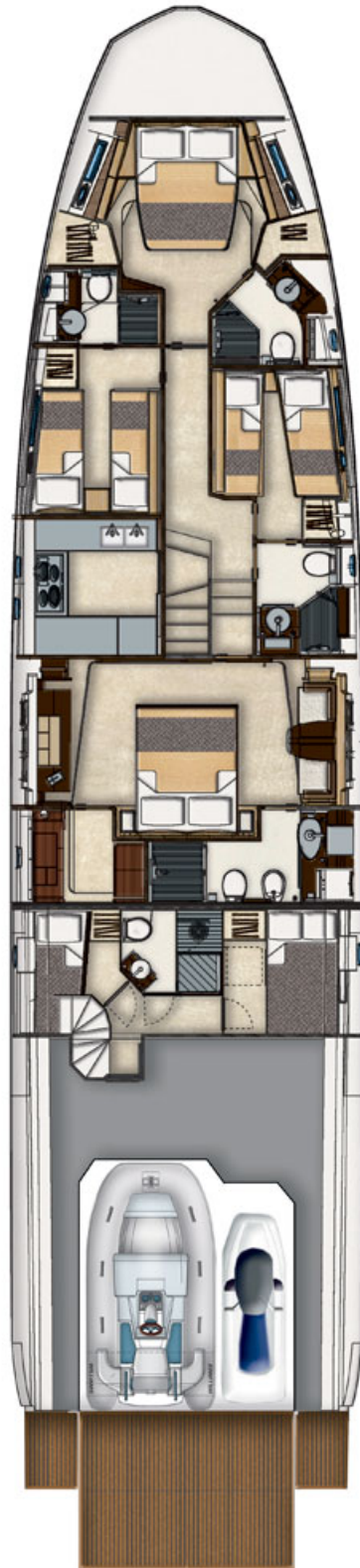
Warranty entire yacht 12 months, material and workmanship, 5 years hull and structural

Optional Power: none

Fuel Capacity: 1,057 gal.

Water Capacity: 291 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Seakeeper gyro stabilizers

automatic bimini on bow

painted hull

Volvo Penta Platinum package (includes joystick, autopilot, automatic trim, docking station, dynamic positioning). Prices upon request.

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BOATS

BOAT TESTS

Azimut 77S

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature: 75°F; water temperature: 73°F; humidity: 48%; seas: 1'; wind: 5-7 knots

LOAD DURING BOAT TEST

525 gal. fuel, 100 gal. water, 6 persons, 100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 3/900-hp Volvo D13-IPS 1200s

The Numbers

Azimut 77S - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	6.9	3.7	1,774	52
1000	10.5	16.9	591	54
1250	12.5	30.6	389	57
1500	15.7	47.0	318	60
1750	20.5	68.2	286	64
2000	25.3	87.2	276	68
2250	30.8	121.8	241	73
2450	32.0	134.0	227	73

Speeds are two-way averages measured w/ Raymarine GPS display. GPH taken via Volvo Penta display. Range is based on 90% of advertised fuel capacity.

Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Seakeeper gyro stabilizers
automatic bimini on bow





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BOATS

BOAT TESTS

Huckins 45 Sportfisherman

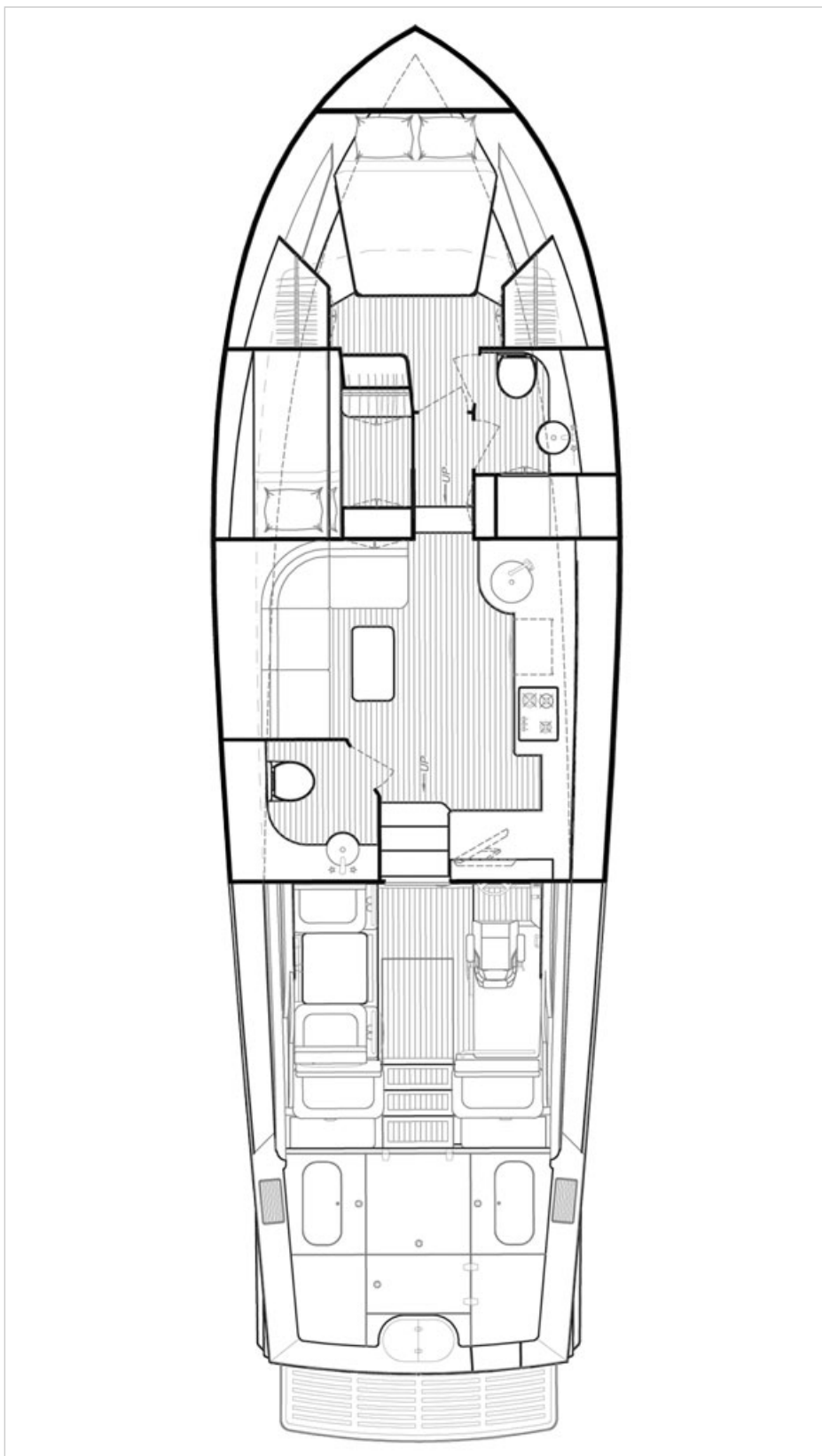
By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Huckins	LOA: 45'5"
Model: Huckins 45 Sportfisherman	Beam: 13'9"
Model Year: 2015	Draft: 3'0"
Boat Type: Sportfisherman	Displacement: 27,000 lb.
Warranty 5 years on hull, 1 year on workmanship	Standard Power: Owner's choice
	Optional Power: Owner's choice
	Fuel Capacity: 415 gal.
	Water Capacity: 100 gal.

Layout Diagram

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BOATS

BOAT TESTS

Huckins 45 Sportfisherman

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

Air temperature: 69°F; humidity: 50%; seas: flat

LOAD DURING BOAT TEST

327 gal. fuel, 100 gal. water, 6 persons, 1,000 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/480-hp Cummins QSM11 diesels w/ ZF 2800 pods

Transmission/Ratio: ZF2800 pod/1.75:1

Props: H14 propset

Price as Tested: Upon request (custom yacht)

The Numbers

Huckins 45 Sportfisherman - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	8.0	3.1	1108	68
1250	8.9	5.3	722	69
1500	9.3	9.1	437	71
1750	12.6	14.0	386	74
2000	17.2	17.6	419	76
2250	20.3	21.0	415	77
2500	23.9	27.8	369	78
2750	28.0	33.1	363	78
3000	31.1	40.6	329	79



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BOATS

BOAT TESTS

Sanlorenzo SL96

By Frances and Michael Howorth



Boat Tests

SPECIFICATIONS

Builder: Sanlorenzo

LOA: 96'0"

Model: Sanlorenzo SL96

Beam: 22'11"

Model Year: 2015

Draft: 6'4"

Boat Type:

Standard Power: 2/1,950-hp MTU 12V 2000 M94s

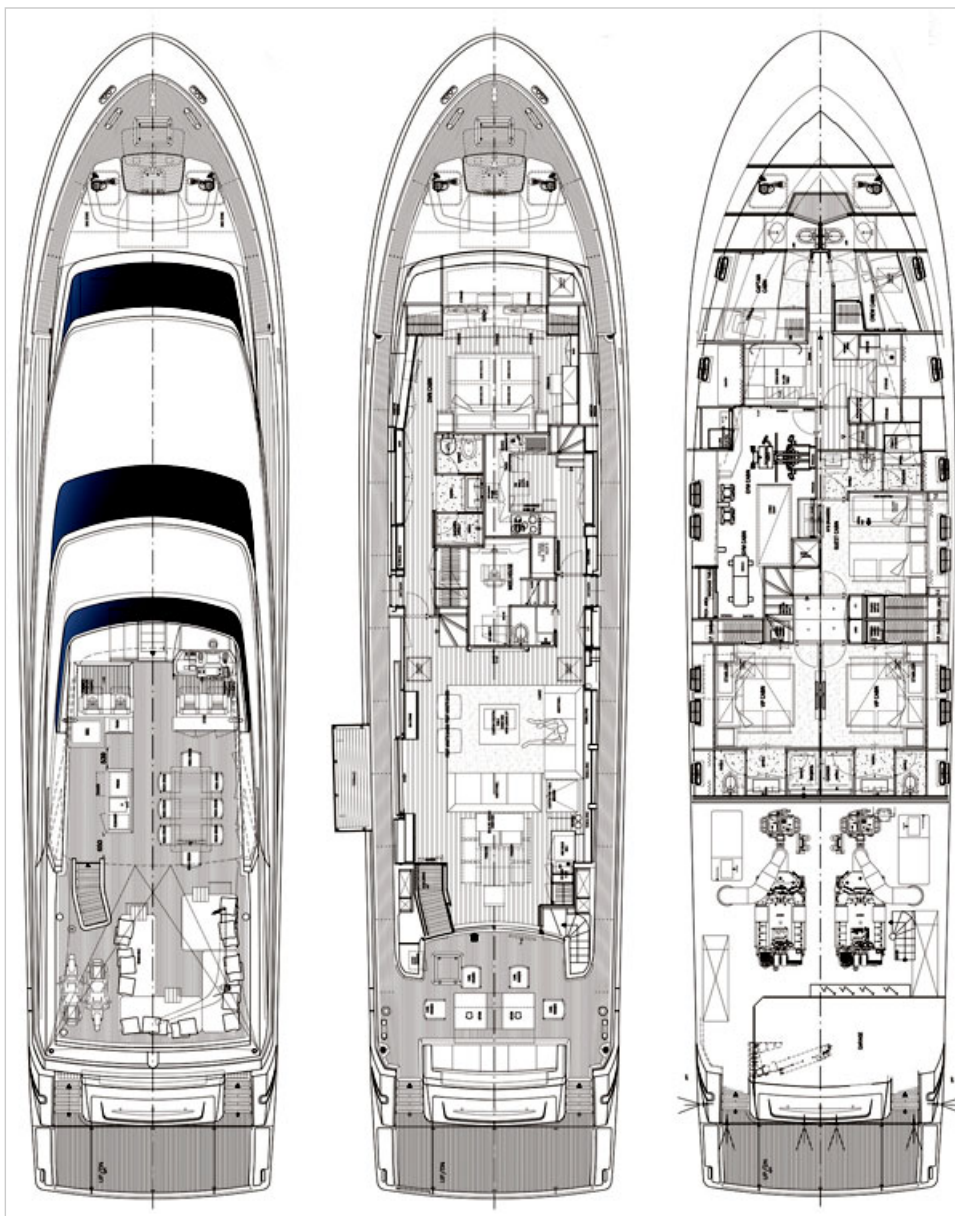
Generator 2/55-kW

Optional Power: 2/2,200-hp MTU 16V 2000 M84s

Warranty One year on hull and structure

Water Capacity: 501 gal.

Layout Diagram



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Sanlorenzo SL96

By Frances and Michael Howorth



TEST BOAT SPECIFICATIONS

Test Engine: 2/2,200-hp MTU 16V 2000 M84s

Transmission/Ratio: ZF 3060V, 2.75:1 gear ratio

Props: 5-bladed Nibral S class

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BOATS

BOAT TESTS

Palm Beach 52

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Palm Beach

LOA: 57'0"

Model: Palm Beach 52

Beam: 17'2"

Model Year: 2015

Draft: 2'10"

Boat Type:

Displacement: 37,000 lb.

Generator 1/9-kW Fischer Panda

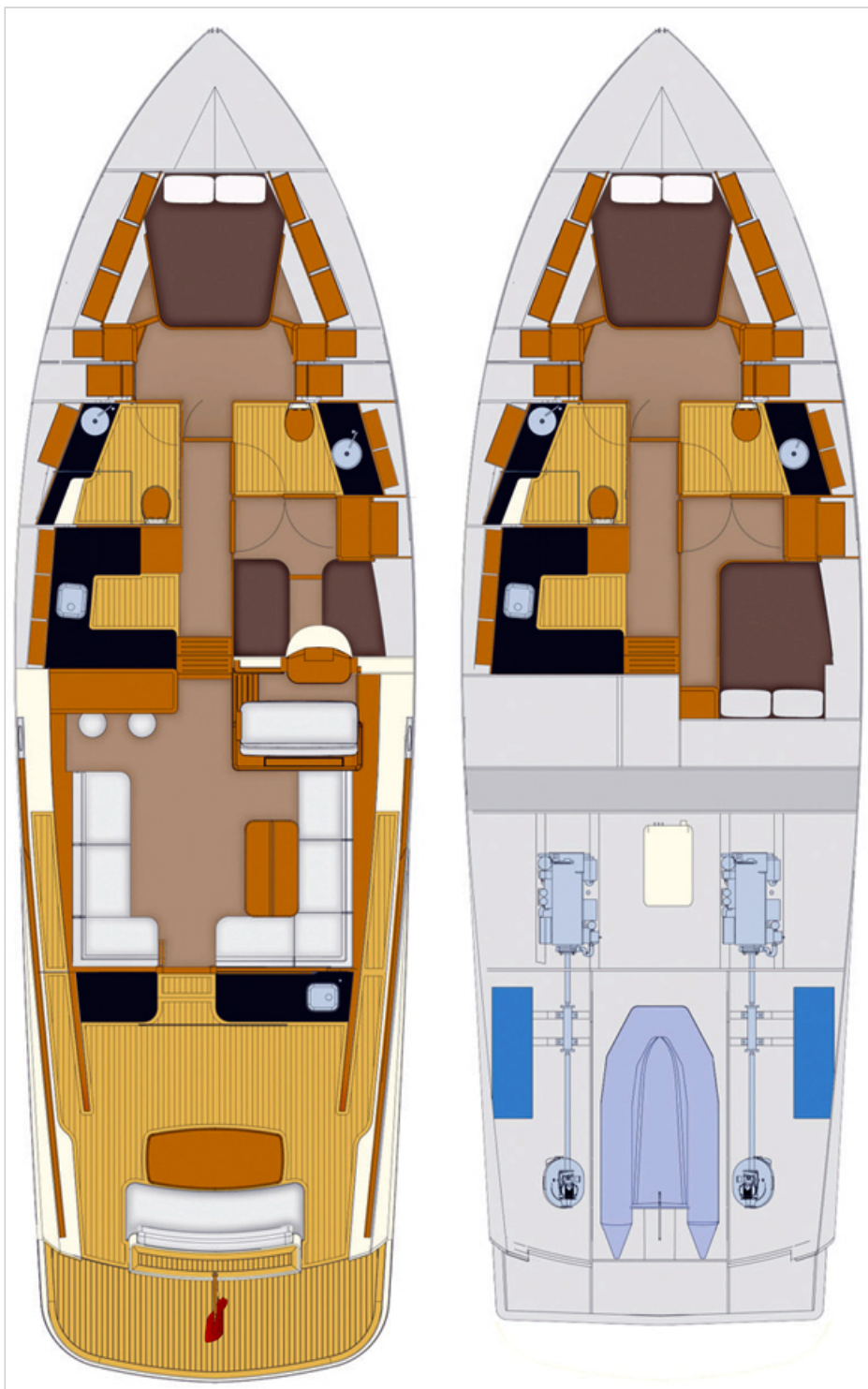
Optional Power: 2/725-hp Volvo Penta D11s, 2/725-hp Volvo Penta IPS950s

Warranty 5-years all inclusive

Fuel Capacity: 630 gal.

Water Capacity: 180 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Complete teak fit-out package (windowframes, doorframes, toe rails, etc.), \$120,000
Cummins joystick docking system, no charge
all else standard.

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BOAT TESTS

Palm Beach 52

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 48°F; humidity: 80%; seas: 3'

LOAD DURING BOAT TEST

533 gal. fuel, 80 gal. water, 4 persons, 1,000 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/600-hp Cummins QSC8.3s

Transmission/Ratio: Twin Disc, 2.04:1

Props: 30" Teignbridge Cfoil 5-blades

Price as Tested: Upon request

The Numbers

Palm Beach 52 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	5.2	1.0	2,948	62
1000	8.3	3.0	1,569	65
1500	11.8	9.4	712	70
2000	17.1	22.6	429	74
2300	20.9	33.0	359	77
2600	24.6	46.9	297	78
2900	28.1	59.7	267	81
2970	28.7	64.0	254	83



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BOATS

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Viking 75 Motor Yacht

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Viking

LOA: 78'6"

Model: Viking 75 Motor Yacht

Beam: 15'4"

Model Year: 2015

Draft: 5'2"

Boat Type: Cruiser

Displacement: 125,198 lb.

Generator 2/32-kW Onan

Optional Power: 2/1,550-hp MAN V12-1550s; 2/
1,800-hp MAN V12-1800s; 2/1,825-hp Caterpillar C32
ACERTs; or 2/1,925-hp Caterpillar C32 ACERTs

Warranty 1-year warranty on entire vessel and 5-year
warranty on hull

Fuel Capacity: 1,650 gal.

Water Capacity: 302 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Seakeeper 26 gyro stabilizer (\$180,000)
engine upgrade to Caterpillar C32s (\$375,000)
enclosed flying bridge (\$259,000)
marine electronics (\$185,618)
opening hardtop roof with glass panel (\$35,675)
Cat Three60 Control System (\$51,000, with thruster credit)
Cruisair air-conditioning in aft-deck lounge back (\$22,240)

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Viking 75 Motor Yacht

By [Capt. Bill Pike](#)



LOAD DURING BOAT TEST

1,200 gal. fuel, 250 gal. water, 3 persons, 200 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,925-hp Caterpillar C32 ACERT diesels

Transmission/Ratio: Twin Disc 6599A; 2.48:1 ratio

Props: Veem (details proprietary)

Price as Tested: \$6,746,348

The Numbers

Viking 75 Motor Yacht - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	7.2	6.0	1782	58
1000	10.9	24.0	674	60
1250	12.8	47.0	404	63
1500	17.1	73.0	348	64
1750	22.3	107.0	309	67
2000	28.0	155.0	268	68
2100	29.9	167.0	266	70
2332	34.6	188.0	273	73

Speeds are two-way averages measured w/ Furuno display. GPH estimates taken via Caterpillar monitoring system. Range is based on 90% of advertised fuel capacity.

Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

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True North 34

By [George Sass Sr.](#)



Boat Tests

SPECIFICATIONS

Builder: True North

LOA: 34'9"

Model: True North 34

Beam: 12'4"

Model Year: 2015

Draft: 2'9" (engines down)

Boat Type: Cruiser

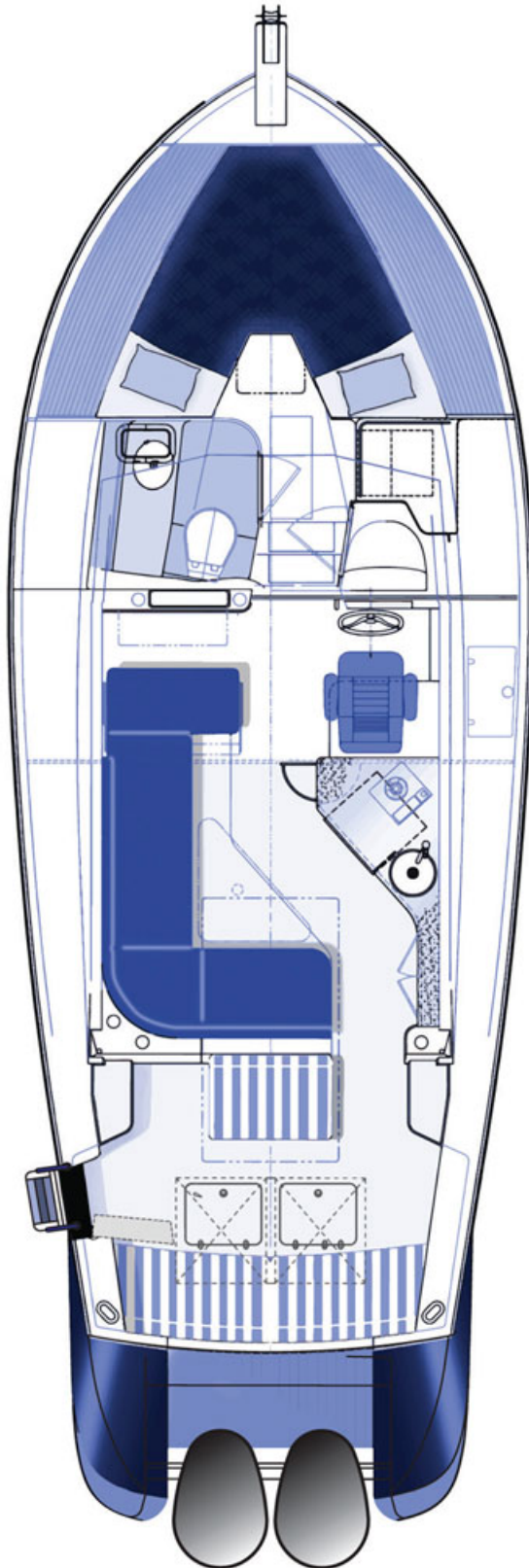
Displacement: 11,250 lb.

Standard Power: 2/250-hp Yamaha F250X outboards

Fuel Capacity: 300 gal.

Water Capacity: 85 gal.

Layout Diagram



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True North 34

By [George Sass Sr.](#)



CONDITIONS DURING BOAT TEST

Air temperature: 60°F; humidity: 50%; seas: 2'

LOAD DURING BOAT TEST

225 gal. fuel, 64 gal. water, 3 persons, 300 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/250-hp Yamaha F250X outboards

Props: 15x15 $\frac{3}{4}$ 3-blade aluminum

Price as Tested: \$457,411

The Numbers

True North 34 - Final Boat Test Numbers:

RPM	Knots	GPH	RANGE	dB(A)
1000	5.2	2.5	562	56
1500	7.2	4.0	486	59
2000	8.7	6.3	373	62
2500	11.4	9.1	338	65
3000	16.2	12.6	347	68
3500	20.0	15.5	348	70
4000	24.0	22.5	288	75
4500	28.0	28.0	270	76
5000	32.1	37.0	234	78
5500	35.0	45.0	210	79
5700	36.7	49.0	202	80



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BOATS

BOAT TESTS

Tiara 44 Coupe

By Jason Y. Wood



Boat Tests

SPECIFICATIONS

Builder: Tiara

LOA: 45'6"

Model: Tiara 44 Coupe

Beam: 14'11"

Model Year: 2015

Draft: 3'9"

Boat Type: Cruiser

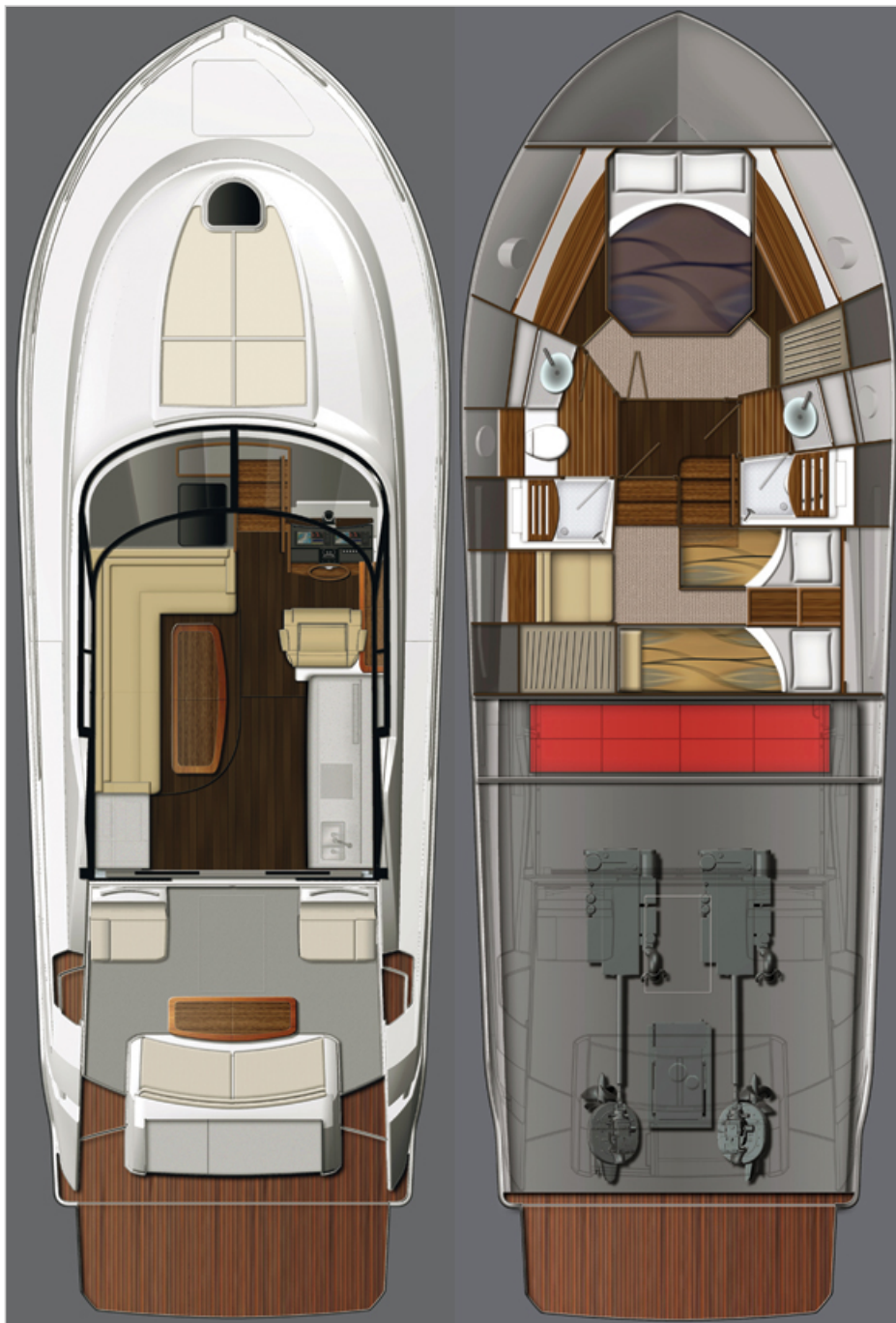
Displacement: 30,000 lb.

Warranty 5 years hull/deck, 2 years on accessories,
exclusions apply

Fuel Capacity: 350 gal.

Water Capacity: 118 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Teak-inlay swim platform with Nautical Structures hydraulic lift (\$57,000)

Makefast Marine powered sun awning (\$17,800)

Kenyon electric grill at transom (\$2,280)

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BOAT TESTS

Tiara 44 Coupe

By [Jason Y. Wood](#)



CONDITIONS DURING BOAT TEST

Air temperature: 73°F; humidity: 79%; seas: flat; winds: 2-4 knots

LOAD DURING BOAT TEST

350 gal. fuel, 118 gal. water, 7 persons, 250 lb. gear.

TEST BOAT SPECIFICATIONS

Transmission/Ratio: Volvo Penta IPS with 1.82:1 gear ratio

Props: Volvo Penta T3 propset

The Numbers

Tiara 44 Coupe - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	4.8	0.6	2,520	59
900	6.4	1.6	1,260	63
1200	7.4	2.4	971	65
1500	8.7	5.9	464	68
1800	9.8	9.1	339	72
2100	11.0	15.0	231	73
2400	14.2	19.1	234	76
2700	18.2	26.0	221	75
3000	22.9	30.9	233	78
3300	27.6	37.3	233	78
3600	31.4	44.0	225	79

Speeds are two-way averages measured with Garmin GPS. GPH taken from Volvo Penta display. Range is based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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Sunseeker 86 Yacht

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Sunseeker

LOA: 86'3"

Model: Sunseeker 86 Yacht

Beam: 21'3"

Model Year: 2015

Draft: 6'5"

Boat Type: Cruiser

Displacement: 147,400 lb. (half load)

Generators 2 /28-kW Kohlers

Standard Power: 2/1,622-hp MTU 10V 2000 M94s

Warranty Hull and fiberglass structural components 5 years. MTUs 24 months materials and workmanship plus 36 months major components.

Optional Power: 1,925-hp MTU 12V 2000 M94s

Fuel Capacity: 2,907 gal.

Water Capacity: 370 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Platinum Package, including zero-speed fin stabilizers, carbon hardtop, 28-kW and 33-kW generator upgrades, thrusters upgrade, flying-bridge teak, fuel polisher, CCTV, extra cleats, separate Miele washer and dryer, electric barbecue, oil-change system, burglar alarm (\$530,000 approx.)

Bose Audio Package Upgrade (\$18,500 approx.)

Simrad Premium Lower Console (\$7,000 approx.).

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Sunseeker 86 Yacht

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature: 54°F; humidity: 82%; seas: 2-3'; wind: 7-9 knots

LOAD DURING BOAT TEST

930 gal. fuel, 396 gal. water, 13 persons, 250 lb. gear.

TEST BOAT SPECIFICATIONS

Transmission/Ratio: ZF2150V/2.92:1

Props: CJR 5 blades, 42.5 x 46

The Numbers

Sunseeker 86 Yacht - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	5.9	3.2	4,824	53
1000	9.3	12.7	1,916	54
1250	11.6	20.1	1,510	53
1500	12.9	43.4	778	61
1750	15.1	74.5	530	62
2000	19.3	98.3	514	62
2250	23.2	125.7	483	67
2450	26.2	156.9	437	68

Speeds are two-way averages measured w/ Simrad GPS display. GPH taken via MTU display. Range is based on 90% of advertised fuel capacity. Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.



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BOATS

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Riviera 6000 Sport Yacht

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Riviera

LOA: 63'4"

Model: Riviera 6000 Sport Yacht

Beam: 17'8"

Model Year: 2015

Draft: 4'5"

Boat Type: Cruiser

Displacement: 56,800 lb.

Warranty 12 months workmanship/materials, 5 years hull structure

Standard Power: 2/725-hp Volvo Penta IPS950s

Fuel Capacity: 700 gal.

Water Capacity: 211 gal.

Layout Diagram



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BOATS

BOAT TESTS

Riviera 6000 Sport Yacht

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

Air temperature: 65°F; humidity: 65%; seas: 2' chop

LOAD DURING BOAT TEST

280 gal. fuel, 106 gal. water, 3 persons, 250 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/725-hp Volvo Penta IPS950s

Transmission/Ratio: Volvo Penta, 1.70:1 gear ratio

Props: Volvo Penta P4 propset

Price as Tested: \$2,269,428

The Numbers

Riviera 6000 Sport Yacht - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	8.0	7.6	663	65
1250	8.7	16.0	343	66
1500	10.1	25.5	250	66
1750	17.5	30.5	361	67
2000	21.6	40.5	336	67
2250	26.2	54.5	303	68
2650	31.7	72.5	275	70

Speeds are two-way averages measured with shipboard GPS. GPH taken from Volvo Penta electronic engine display. Range is based on 90% of advertised fuel capacity. Sound levels measured at lower helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Sealine F380

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Sealine

LOA: 37'4"

Model: Sealine F380

Beam: 12'4"

Model Year: 2015

Draft: 3'1"

Boat Type: Cruiser

Displacement: 21,605 lb.

Standard Power: 2/260-hp Volvo Penta D4 diesels

Fuel Capacity: 240 gal.

Water Capacity: 83 gal.

Layout Diagram



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Sealine F380

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

air temperature 64°F; humidity 73%; seas: 1'

LOAD DURING BOAT TEST

206 gal. fuel, 16 gal. water, 5 persons, 50 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/330-hp Volvo Penta D6 diesels

Props: Volvo Penta G8, Nibral

Price as Tested: \$616,437

The Numbers

Sealine F380 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	3.7	2.6	307	57
1000	6.0	3.7	350	58
1500	8.0	4.8	360	63
2000	9.3	7.9	254	67
2500	15.3	14.8	223	74
3000	24.0	22.7	228	75
350	32.3	32.8	213	78

Speeds are two-way averages measured w/ Raymarine GPS display. GPH provided by Sealine. Range is based on 90% of advertised fuel capacity. Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.

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BOATS

BOAT TESTS

Horizon PC52

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Horizon

LOA: 51'7"

Model: Horizon PC52

Beam: 22'0"

Model Year: 2015

Draft: 4'3"

Boat Type: Catamaran

Displacement: 60,451 lb.

Generator 17.5-kW Onan

Standard Power: 2/550-hp Cummins QSB 6.7 diesels

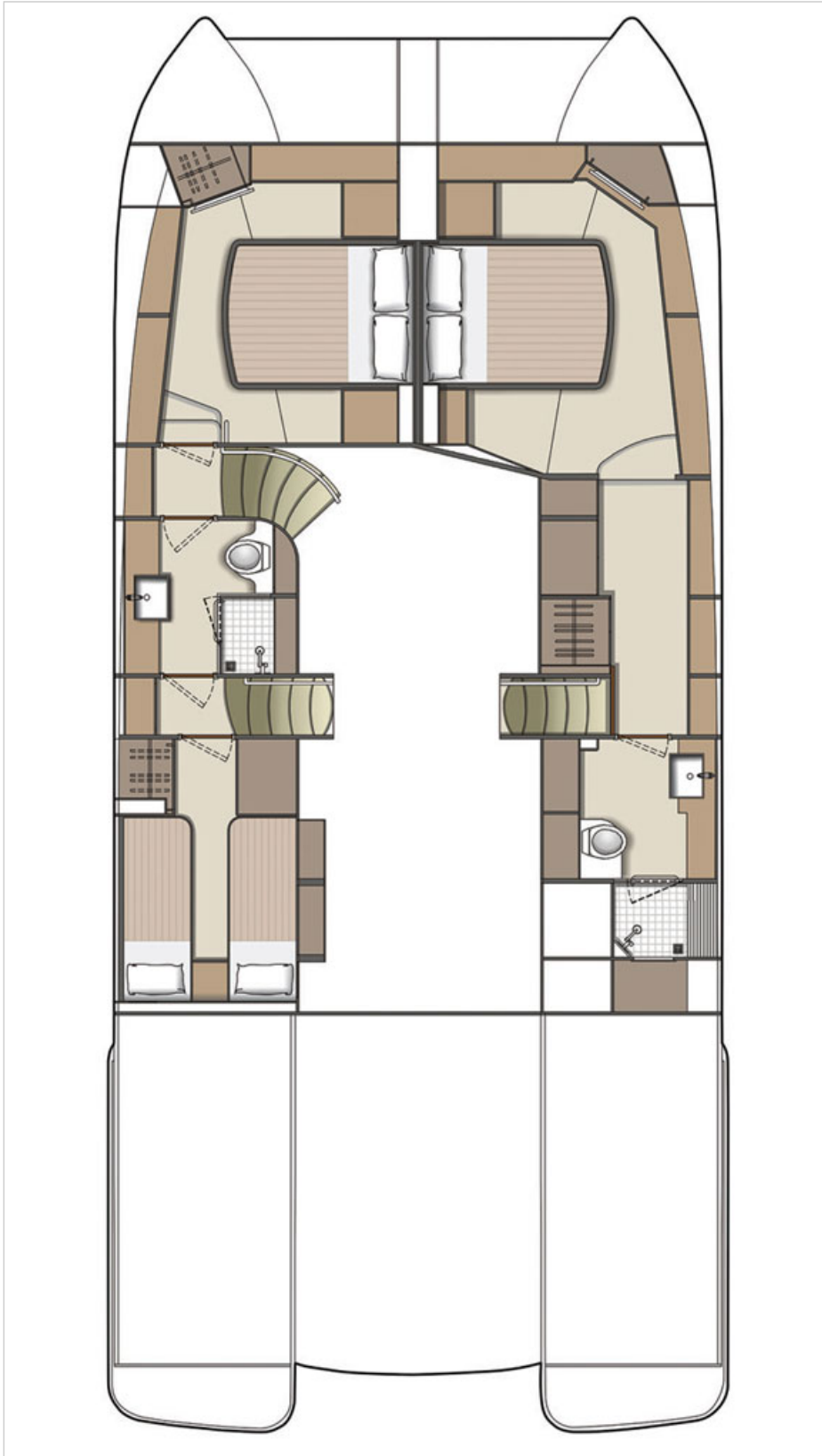
Warranty 2 years on entire boat, 5 years on hull and deck

Optional Power: none

Fuel Capacity: 800 gal.

Water Capacity: 250 gal.

Layout Diagram



Under The Hood: The Cat's Meow

One dividend that accrues when you buy a power cat is that the engines are farther apart, which gives the propellers and rudders additional leverage, especially during slow-speed maneuvering. Another is that the engines are well aft in each hull so much of the engine noise and vibration is isolated, providing a quieter ride. To these advantages Horizon adds a third by placing the engines even farther aft, thanks to the use of V-drives. This not only makes the 52 even quieter and her engine room roomier, it also shifts the center of balance aft, giving the boat a modest bow-up attitude. Most of the

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Horizon PC52

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

Air temperature: 71°F; humidity: 65%; seas: flat

LOAD DURING BOAT TEST

400 gal. fuel, 250 gal. water, 4 persons, 1,000 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/550-hp Cummins QSB 6.7 diesels

Transmission/Ratio: ZF with 2.539:1 gear ratio

Props: 23.5 x 30 4-blade Nibral

Price as Tested: \$1,790,000

The Numbers

Horizon PC52 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	4.7	1.9	1,781	65
1250	7.0	3.5	1,440	66
1500	8.4	6.0	1,008	66
1750	8.5	9.7	631	67
2000	10.6	14.6	523	67
2250	11.2	16.5	489	68
2500	14.0	24.0	420	70
2750	16.8	29.8	406	71
3000	19.0	38.0	360	73



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BOATS

BOAT TESTS

Offshore 87 Motor Yacht

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Offshore

LOA: 87'0"

Model: Offshore 87 Motor Yacht

Beam: 21'6"

Model Year: 2015

Draft: 5'10"

Boat Type:

Displacement: 194,000 lb.

Warranty 1-year limited on entire boat, 5 years on hull and stringer structure, three years for osmosis

Standard Power: 2/1,050-hp Caterpillar C18 diesels
Optional Power: 2/1,900-hp Caterpillar C32 ACERTs; various MAN and MTUs to 1,600-hp each

Fuel Capacity: 3,100 gal. plus 500 gal. auxiliary tank

Water Capacity: 460 gal.

Layout Diagram



Under the Hood: Smooth Operator

Underway the Offshore 87 is unusually quiet and smooth—from her pilothouse it's nearly impossible to hear or feel the engines. There are a number of reasons for this but a major one is the standard Seatorque drive system, which instead of transferring propeller thrust to the engines, sends it directly to the hull structure. A flexible coupling just aft of the marine gear not only reduces vibration but also eliminates most shaft-alignment issues. Other, similar systems do essentially the same thing, but Seatorque is different in that an external, oil-filled casing with integral thrust bearing encloses the propshaft and transmits the thrust to the hull. This system has the added effect of eliminating the drag produced by an exposed propshaft spinning in

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BOAT TESTS

Offshore 87 Motor Yacht

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

air temperature: 68°F; humidity: 70%; seas 2-4'

LOAD DURING BOAT TEST

3,400 gal. fuel, 460 gal. water, 4 persons, 2,500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,150-hp Caterpillar C18 diesels

Transmission/Ratio: ZF550A with 2.517:1 gear ratio

Props: 24 x 40 5-blade Nibral

Price as Tested: \$7,567,000

The Numbers

Offshore 87 Motor Yacht - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	8.0	5.0	5,184	65
1250	9.5	16.0	1,924	66
1500	11.0	30.0	1,188	66
1750	12.3	48.0	830	68
2000	14.0	74.0	613	68
2250	15.3	102.0	486	69
2350	16.4	120.0	443	70

Speeds are two-way averages measured with shipboard GPS. GPH taken from CAT electronic engine display. Range is based on 90% of advertised fuel capacity. Sound levels measured at lower helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Absolute 60 Fly

By [Jason Y. Wood](#)



Boat Tests

SPECIFICATIONS

Builder: Absolute

LOA: 60'4"

Model: Absolute 60 Fly

Beam: 16'7"

Model Year: 2015

Draft: 4'10"

Boat Type: Cruiser

Displacement: 74,847 lb.

Generator 1/16-kW Kohler

Optional Power: 2/625-hp

Warranty 2 years

Fuel Capacity: 634 gal.

Water Capacity: 158 gal.

Layout Diagram



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BOATS

BOAT TESTS

Absolute 60 Fly

By Jason Y. Wood



CONDITIONS DURING BOAT TEST

Air temperature: 62°F; humidity: 73%; seas: 1-2'; winds: 8-12 knots

LOAD DURING BOAT TEST

355 gal. fuel, 90 gal. water, four persons, 300 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/725-hp Volvo Penta IPS950s

Transmission/Ratio: Volvo Penta IPS2 with 1.70:1 gear ratio

Props: Volvo Penta IPS P4 propset

The Numbers

Absolute 60 Fly - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	5.6	2.6	1,229	62
1000	8.2	8.7	538	64
1500	12.5	29.0	246	66
2000	21.7	48.9	253	73
2500	32.6	76.3	244	77

Speeds are two-way averages measured with Garmin GPS. GPH taken from Volvo Penta display. Range is based on 90% of advertised fuel capacity. Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Pershing 70

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Pershing

LOA: 70'4"

Model: Pershing 70

Beam: 16'5"

Model Year: 2015

Draft: 4'5"

Boat Type: Cruiser

Displacement: 103,000 lb. (full load)

Generator 1/17-kW Kohler

Standard Power: 2/1,623-hp MTU 10V 2000 M94s

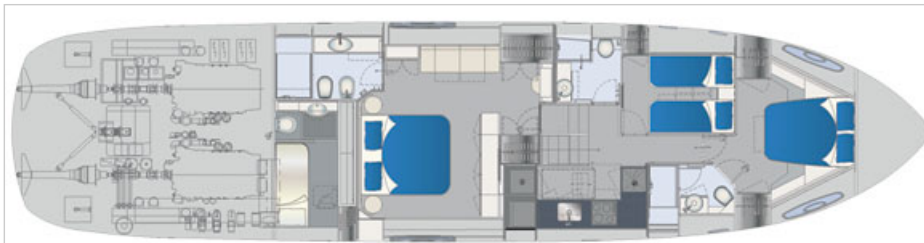
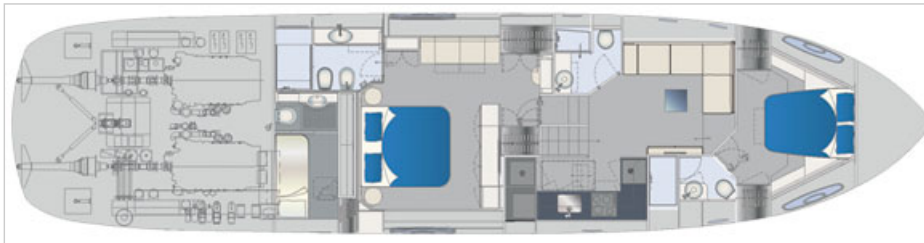
Warranty Hull and fiberglass structural components 5 years. MTU 24 months.

Optional Power: none

Fuel Capacity: 925 gal.

Water Capacity: 238 gal.

Layout Diagram



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BOATS

BOAT TESTS

Pershing 70

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature: 77°F; sea temperature: 73°F; humidity: 55%; seas: 1' ; wind: 5-7 knots

LOAD DURING BOAT TEST

550 gal. fuel, 220 gal. water, 12 persons, 1,000 lb. gear

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,623-hp MTU 10V 2000 M94s

Transmission/Ratio: Top System surface drives with 2.5:1 gear ratio

Props: 41 x 60 Rolla 6-blade

The Numbers

Pershing 70 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	6.5	10.6	510	61
1550	21.4	78.2	228	73
1830	26.8	101.4	220	76
2000	36.2	125.7	240	73
2200	40.5	141.1	239	76
2450	46.1	162.7	236	77

Speeds are two-way averages measured w/Raymarine GPS display. GPH taken via Volvo display. Range is based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

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BOATS

BOAT TESTS

Monte Carlo MC4

By Jason Y. Wood



Boat Tests

SPECIFICATIONS

Builder: Beneteau

LOA: 45'3"

Model: Monte Carlo MC4

Beam: 13'4"

Model Year: 2015

Draft: 3'9"

Boat Type:

Displacement: 26,499 lb.

Generator 13.5-kW Cummins

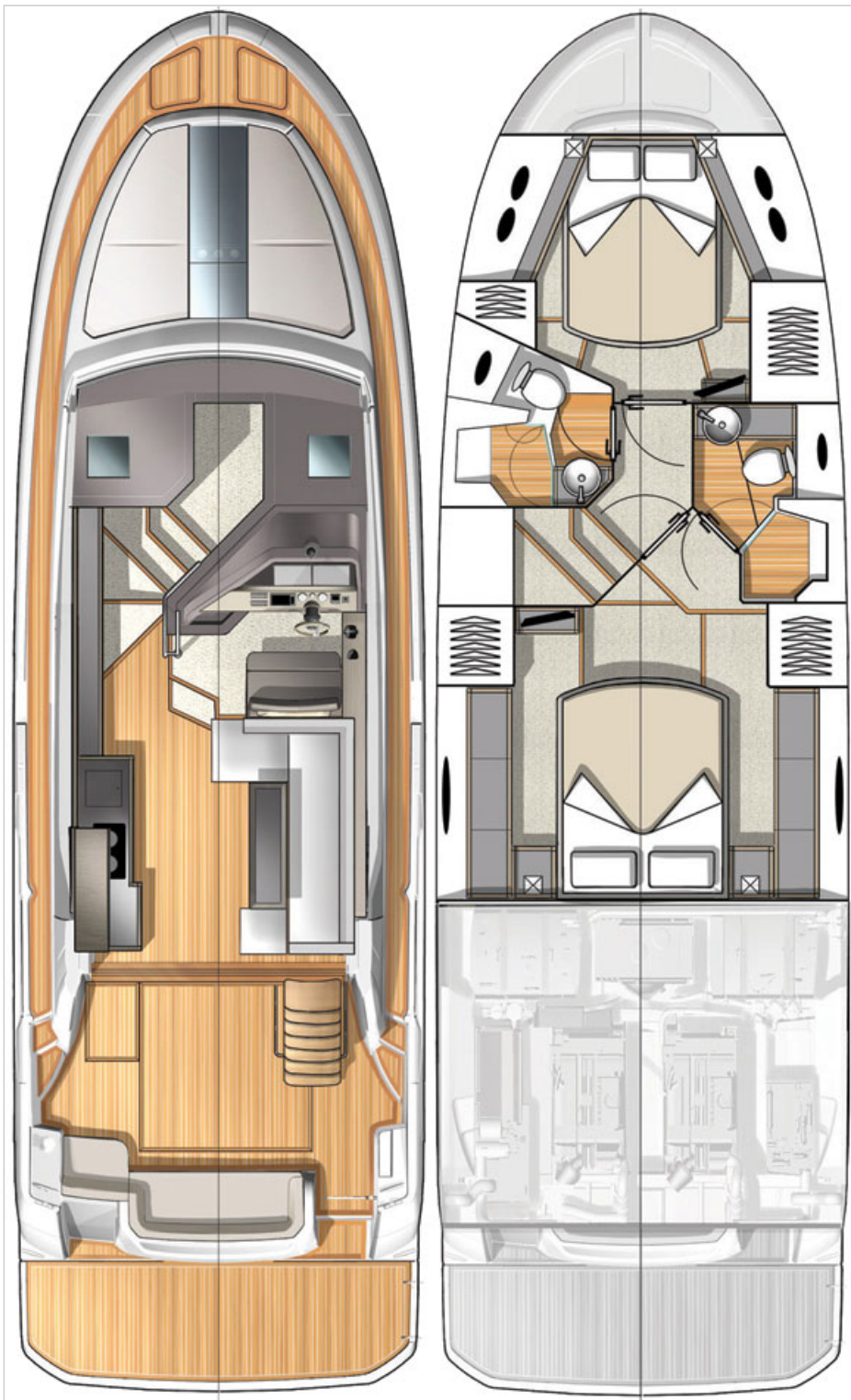
Standard Power: 2/370-hp Volvo Penta IPS500s

Warranty 3-year manufacturer-supported warranty, 7-year structural warranty

Fuel Capacity: 265 gal.

Water Capacity: 106 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Additional Simrad NSS12 screen at lower helm (\$4,195)
electronics pack 2015 adds Simrad 4G radar, autopilot, AIS receiver, Wi-Fi hub, and Simrad RS90 VHF (\$8,470)
retractable electric sun awning over afterdeck (\$5,565)
graphite flying-bridge bimini top (\$6,505)
cockpit docking station (\$5,035).

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BOAT TESTS

Monte Carlo MC4

By Jason Y. Wood



CONDITIONS DURING BOAT TEST

Air temperature: 79°F; humidity: 65%; seas: flat; wind: 2-4 knots

LOAD DURING BOAT TEST

120 gal. fuel, 70 gal. water, 2 persons, 200 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/370-hp Volvo Penta IPS500s

Transmission/Ratio: IPS-F, 1.94:1 gear ratio

Props: Volvo Penta T3 Propset

Price as Tested: \$863,640

The Numbers

Monte Carlo MC4 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
500	3.9	0.6	1,550	59
1000	6.0	2.0	715	63
1500	8.2	4.8	407	67
2000	10.0	11.0	217	68
2500	15.0	19.1	187	73
3000	22.3	25.0	210	76
3500	29.4	36.9	190	79
3650	30.4	39.0	186	80



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BOATS

BOAT TESTS

Outer Reef 860

By [Louisa Beckett](#)



Boat Tests

SPECIFICATIONS

Builder: Outer Reef

LOA: 85'8"

Model: Outer Reef 860

Beam: 21'0"

Model Year: 2015

Draft: 5'6"

Boat Type:

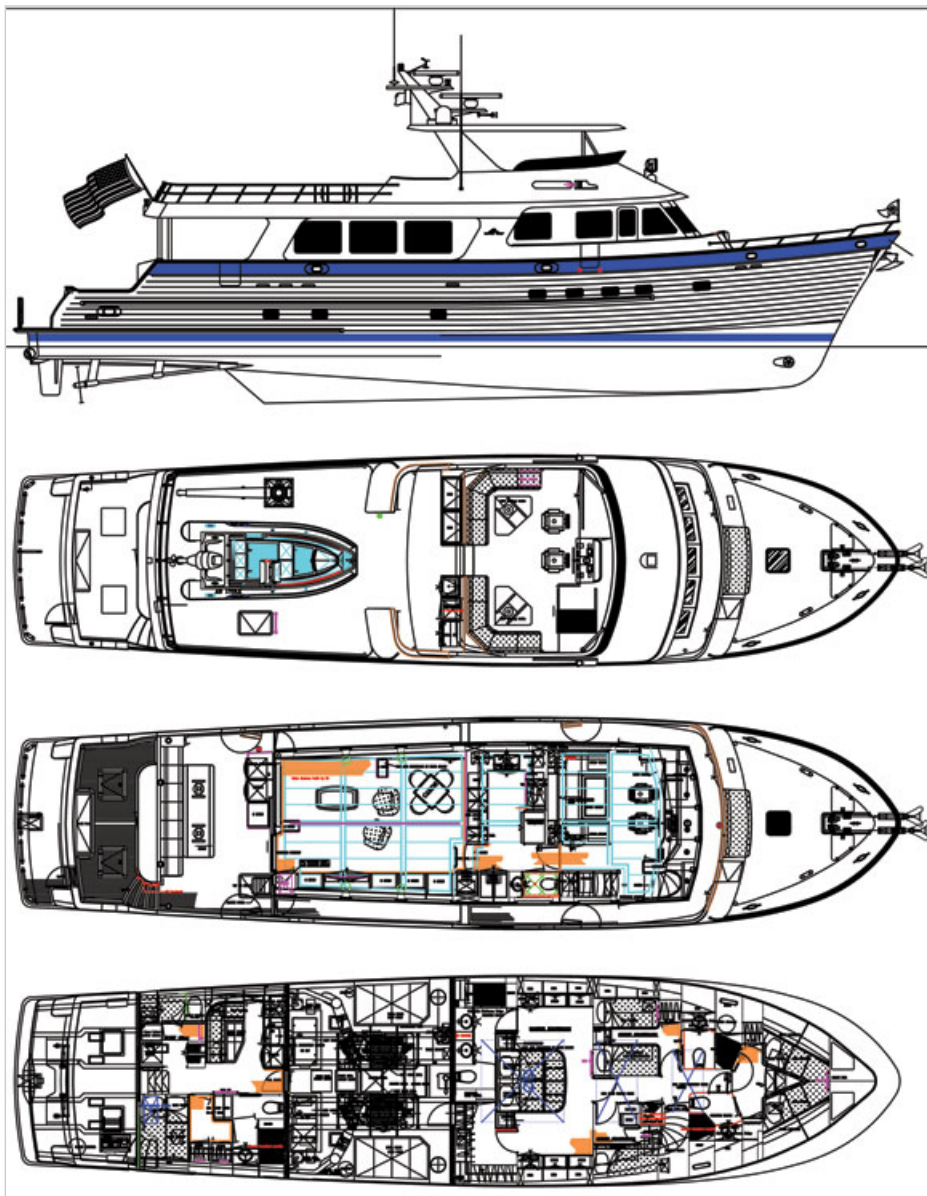
Displacement: 190,000 lb.

Standard Power: 2/705-hp Caterpillar C12

Fuel Capacity: 3,000 gal.

Water Capacity: 500 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Dual 30-kW (60 Hz) Northern Lights generators w/ sound shields
two Maxwell VWC4000 hydraulic windlass & dual anchor rollers
1,800-gpd Max-Q watermaker
four additional AGM house batteries
Aqualuma 3 Series underwater LED lights. (Prices available upon request.)

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BOATS

BOAT TESTS

Outer Reef 860

By [Louisa Beckett](#)



LOAD DURING BOAT TEST

3,000 gal. fuel, 500 gal. water, 16 persons aboard.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,136-hp Caterpillar C18

Transmission/Ratio: ZF, 1.971:1 ratio

Props: ZF 4-blade 36.5 x 26.5

The Numbers

Outer Reef 860 - Final Boat Test Numbers:

RPM	KNOTS	GPH	Range
1000	8.4	6.4	3537
1200	9.8	16.2	1620
1500	11.8	31.9	999
1700	12.9	46.6	765
2000	14.3	69.0	567
2300	16.1	101.8	432
MAX	16.7	113.4	405

Speeds are two-way averages measured w/ Furuno GPS display. GPH estimates taken via Caterpillar computer display.

(Performance data and test conditions supplied by builder.)



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BOATS

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Muse 44

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Rodman

LOA: 44'0"

Model: Muse 44

Beam: 14'0"

Model Year: 2015

Draft: 3'6"

Boat Type:

Optional Power: 2/435-hp Volvo Penta IPS600s

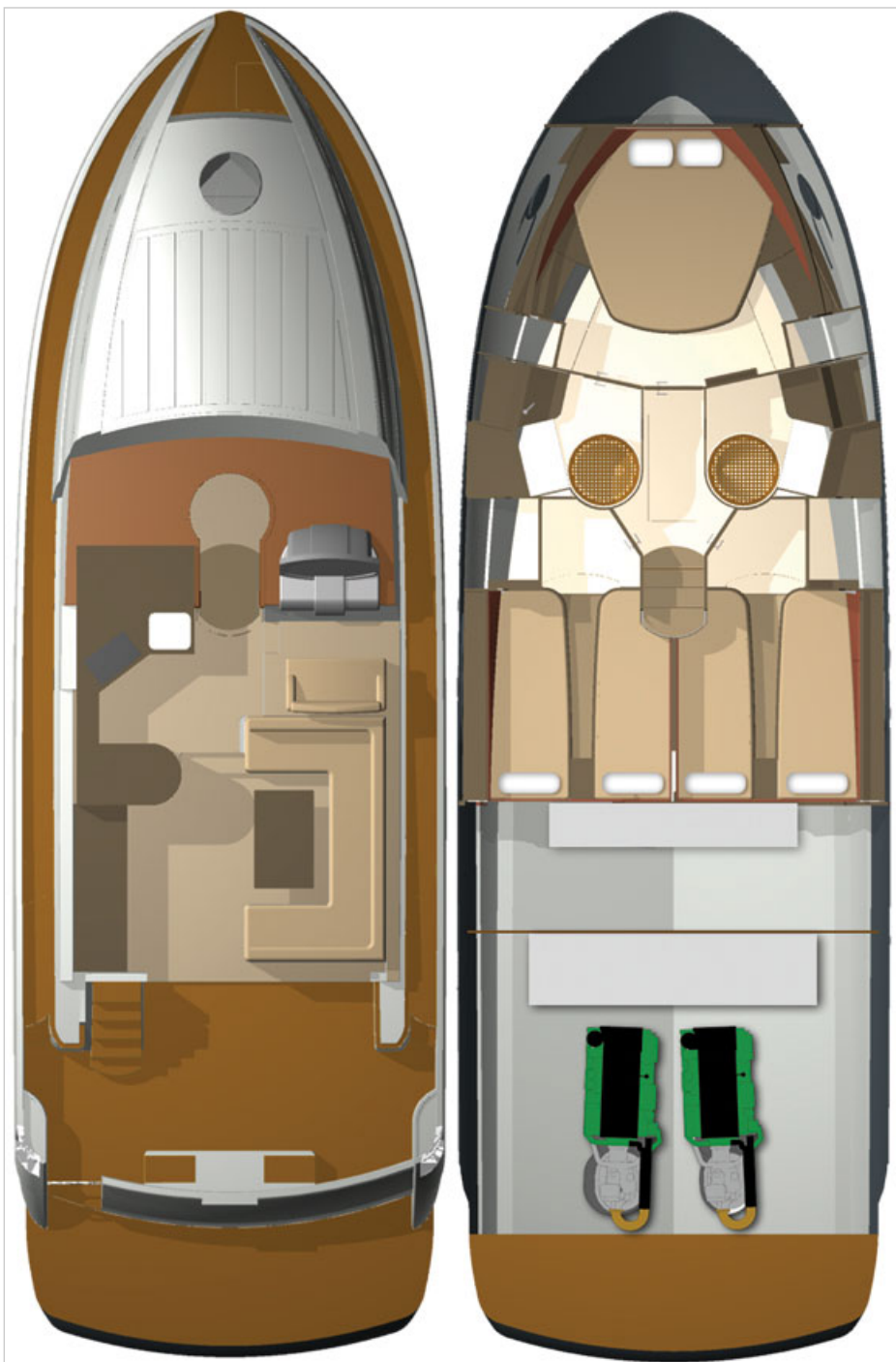
Generator 1/7.5-kW Cummins Onan

Fuel Capacity: 350 gal.

Warranty 10-year warranty on hull; 5-year warranty on blistering and osmosis

Water Capacity: 100 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: 48,000-Btu A/C, \$17,895

hydraulic swim platform, \$28,018

automatic Interceptor trim tabs, \$13,691

teak sole on flying bridge, \$4,215

wheelhouse searchlight, \$865

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BOATS

BOAT TESTS

Muse 44

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 79°F; humidity 30%; seas: 1' or less

LOAD DURING BOAT TEST

170 gal. fuel, 25 gal. water; 3 persons; 50 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/370-hp Volvo Penta IPS500s

Transmission/Ratio: Volvo Penta

Props: Volvo Penta T3 Propset

Price as Tested: \$928,000

The Numbers

Rodman Muse 44 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
650	4.0	0.6	2100	61
1000	5.7	1.9	945	65
1500	7.9	4.8	518	65
2000	9.8	11.0	281	69
2500	13.1	20.0	206	71
3000	20.3	28.0	228	76
3300	27.2	41.0	209	77





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BOATS

BOAT TESTS

Back Cove 41

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Back Cove

LOA: 46'6"

Model: Back Cove 41

Beam: 14'0"

Model Year: 2015

Draft: 3'9"

Boat Type: Down East

Displacement: 29,436 lb.

Generator 9-kW Onan

Optional Power: 1/725-hp Volvo Penta D11 diesel or 1/715-hp Cummins QSM11 diesel

Warranty 1 year on materials and workmanship; 5 years on hull; 5 years on gelcoat below waterline

Fuel Capacity: 400 gal.

Water Capacity: 150 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Blue hull color (\$5,150)

Ultrasuede upholstery (\$4,650)

Lenco auto tabs (\$3,100)

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BOATS

BOAT TESTS

Back Cove 41

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 70°F; humidity 78%; seas: 1-2'; wind: 5-8 knots

LOAD DURING BOAT TEST

380 gal. fuel, 75 gal. water, 3 persons, 150 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 1/600-hp Cummins QSC8.3 diesel

Transmission/Ratio: ZF286A/2.39:1 ratio

Props: 28 x 31 4-blade Nibral

The Numbers

Back Cove 41 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	5.0	0.5	3673	64
1000	7.5	1.5	1800	65
1500	9.2	5.1	649	72
2000	15.2	12.1	449	74
2500	20.8	20.3	369	78
3000	26.6	31.6	303	84
3030	27.0	32.4	300	86

Speeds are two-way averages measured with Garmin GPS.

GPH taken from Cummins display. Range is based on 90% of advertised fuel capacity.

Sound levels taken at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

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Makaira 64

By [Scott Shane](#)



Boat Tests

SPECIFICATIONS

Builder: Ocean

LOA: 64'3"

Model: Makaira 64

Beam: 18'9"

Model Year: 2014

Draft: 5'2"

Boat Type: Sportfisherman

Displacement: 85,000 lb.

Generator 2/21.5-kW Caterpillar C2s

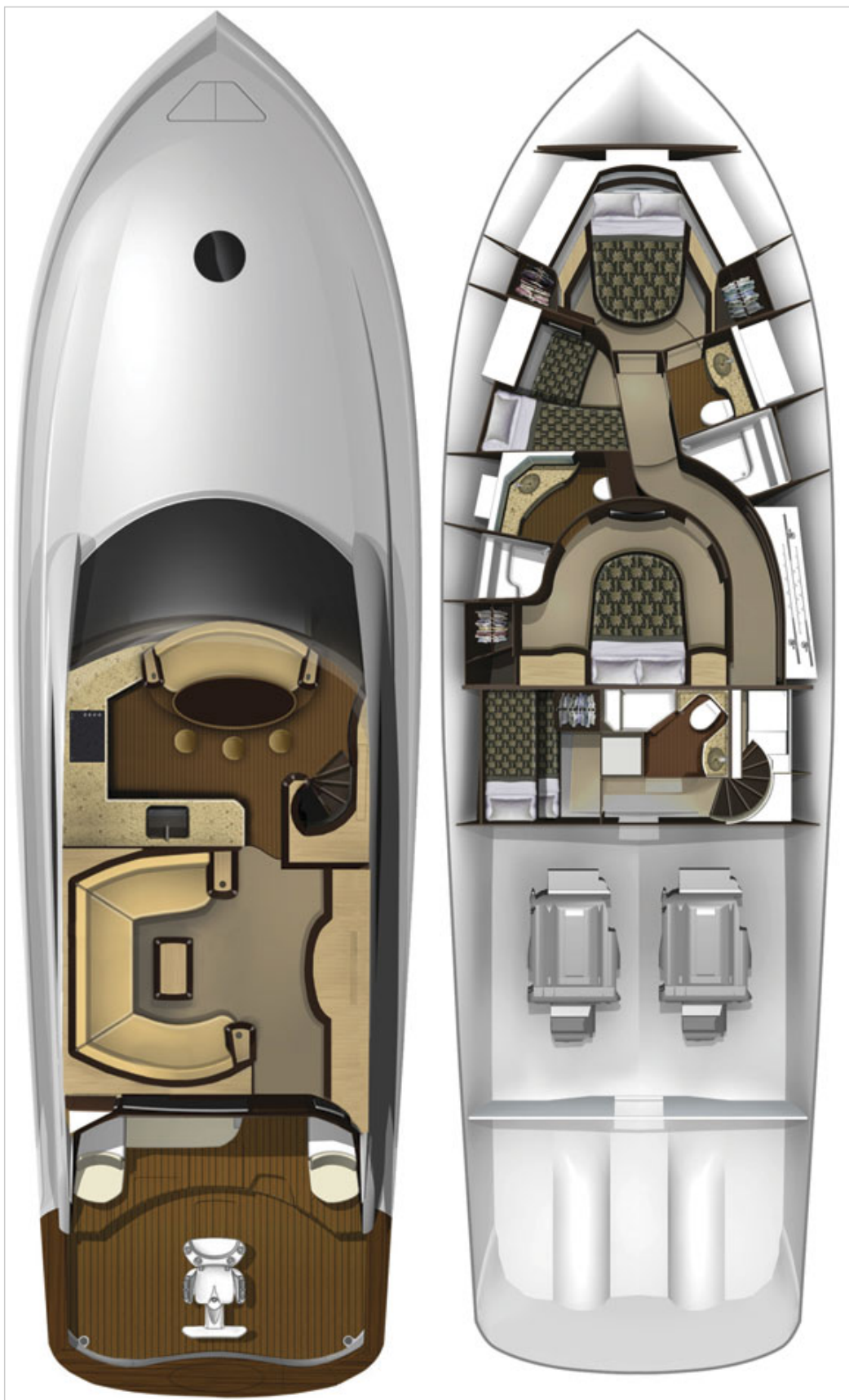
Optional Power: MAN and MTU configurations available

Warranty 5-year limited warranty on hull; 1-year limited warranty on associated equipment

Fuel Capacity: 1,800 gal.

Water Capacity: 250 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Rupp Outriggers
CAT Three60 Precision Control System

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Makaira 64

By [Scott Shane](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity: 80%; seas: 4-6 feet; wind: 10 knots

LOAD DURING BOAT TEST

1,800 gal. fuel, 250 gal. water, 3 persons, full load of gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,925-hp Caterpillar C32 ACERTs

Transmission/Ratio: 1:74:1 Twin Disc Quickshift

Props: 36 x 43.8 5-Blade Veem

Price as Tested: Upon request

The Numbers

Ocean Makaira 64 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	8.3	9.0	1,494	79
900	11.0	26.0	685	82
1200	16.8	59.0	461	85
1500	24.3	90.0	437	88
1800	32.4	128.0	410	91
2100	37.9	170.0	361	93
2300	41.8	188.0	360	93



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BOATS

BOAT TESTS

Weaver 80

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Weaver

LOA: 80'5"

Model: Weaver 80

Beam: 21'4"

Model Year: 2014

Draft: 5'2"

Boat Type: Sportfisherman

Displacement: 120,000 lb. (dry)

Generator 2/27.5-kW Cummins Onans

Optional Power: Customizable

Warranty Lifetime warranty on the hull; 1 year on all other components

Fuel Capacity: 3,000 gal.

Water Capacity: 400 gal.

Layout Diagram



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BOATS

BOAT TESTS

Weaver 80

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity: 40%; seas: 4-6' up to 1800 rpm, flat seas for 2000 rpm and above

LOAD DURING BOAT TEST

1,600 gal. fuel, 250 gal. water, 7 persons, 2,000 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/2,600-hp MTU M93s

Transmission/Ratio: ZF 3060A, 2.75:1 ratio

Props: Michigan 5-blade 38 x 55

Price as Tested: Upon request

The Numbers

Weaver 80 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	9.0	6.0	4,050	73
900	12.3	26.0	1,277	79
1200	18.0	56.0	868	82
1500	25.9	98.0	714	85
1800	32.7	152.0	581	88
2000*	37.1	176.0	569	N/A
2200	40.6	212.0	517	N/A
2300	42.2	235.0	485	N/A
2450	44.7	268.0	450	N/A



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BOATS

BOAT TESTS

Aspen C100

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Aspen

LOA: 34'8"

Model: Aspen C100

Beam: 10'0"

Model Year: 2014

Draft: 2'7" (half load)

Boat Type: Other

Displacement: 8,400 lb.

WARRANTY structural hull and deck (10 years); tanks, steering, electrical system, and gelcoat (5 years); hardware components (3 years); and electrical components such as pumps etc. (2 years); warranty is transferable within first three years with \$695 service fee and an extended warranty is available.

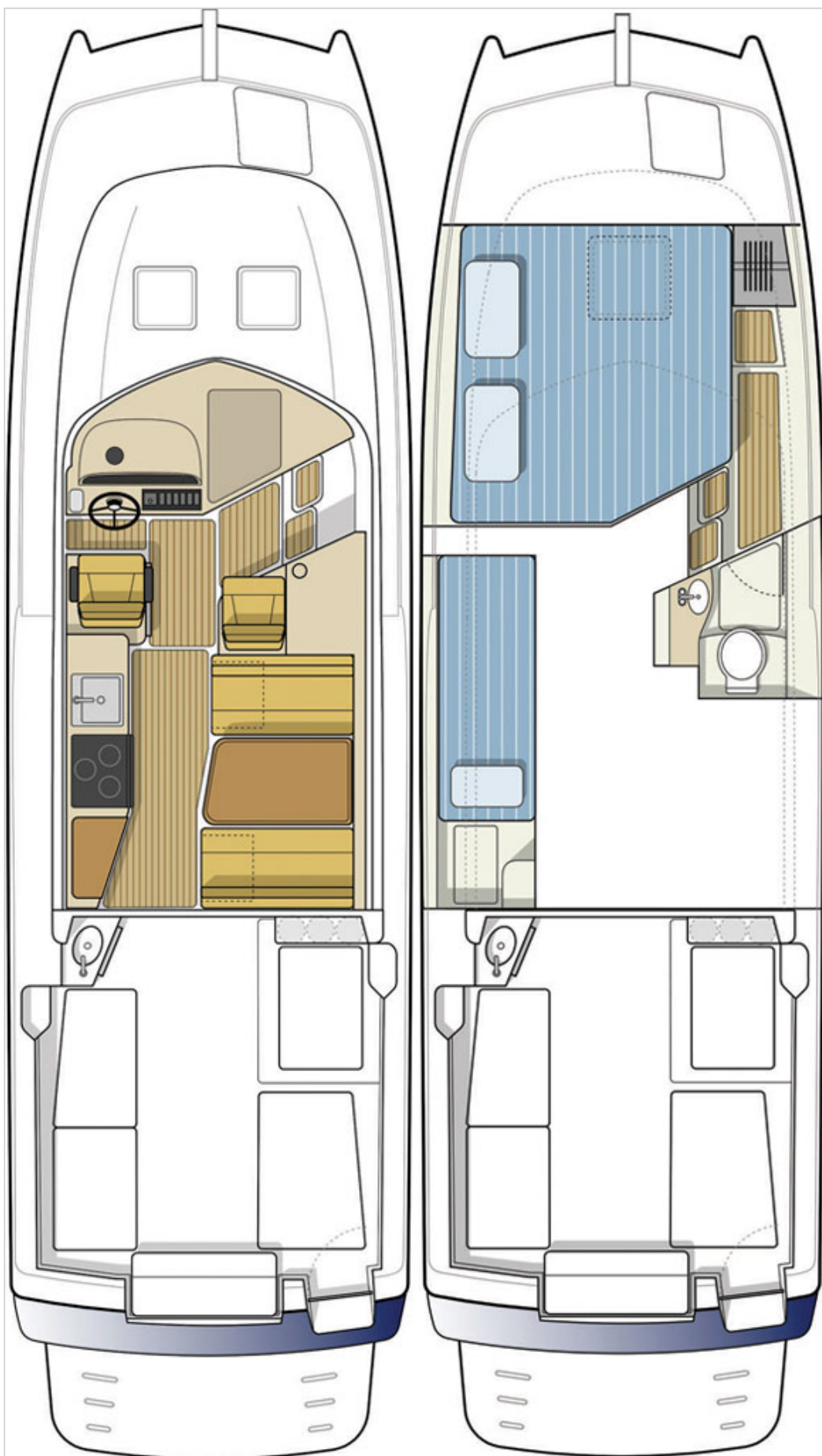
Standard Power: 1/220-hp Volvo Penta D3 diesel inboard

Optional Power: none

Fuel Capacity: 120 gal.

Water Capacity: 50 gal.

Layout Diagram



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Aspen C100

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 60°F; humidity: 75%; seas: 1-2'; wind: 3-6 knots

LOAD DURING BOAT TEST

94 gal. fuel, 30 gal. water, 4 persons, 1,100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 1/220-hp Volvo Penta D3 diesel inboard

Transmission/Ratio: ZF45 AF-0 w/ 2.03:1 ratio

Props: bronze 17 x 18 Acme 3-blade

Price as Tested: \$321,365

The Numbers

Better Boat: The Compleat Mid-Range Cruiser



Nick and Larry Graf prior to their nonstop circumnavigation.

It's obvious that the Aspen C100 Escape was designed by a guy who does a good bit of cruising himself. For starters, the galley features a propane stove—no shore power (and no genset) required. Moreover, the NovaKool reefer is a low-amperage-draw model. Team these two appliances up with a couple of golfcart-type house batteries, a Group 27 starting battery (with crossover), a 2,000-watt Magnum inverter, a high-end Blue Sky Energy solar array, and a hot-water heater that's tapped into the engine, and you've got true state-of-the-art cruising potential in a 32-foot envelope. Could you comfortably overnight in some remote anchorage sans generator? No problem. Could you even add a little cool air to the equation? Most likely, with the right air-conditioning system. And by the way, The C100 we tested on Puget Sound was subsequently used by Larry Graf and his son Nick (shown above) to set a new record for a nonstop circumnavigation of Vancouver Island. They did the trip this past summer. It took 47 hours and five minutes, covered some 557 nautical miles, required just 267 gallons of diesel fuel (for an average fuel burn of 5.6 gph).

[See a video of the Aspen C100's record-setting circumnavigation of Vancouver Island here](#) □

Aspen C100 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
700	3.0	0.2	1,620	54
1000	4.1	0.4	1,107	58
1500	5.7	0.9	684	61
2000	7.8	2.2	383	73
2500	9.2	3.9	255	73
3000	13.8	5.8	257	75
3500	17.4	8.2	229	78
4000	20.2	12.0	182	82
4020	20.5	12.2	181	82

Speeds are two-way averages measured with Garmin GPS. GPH taken from Volvo Penta display.

Range based on 90% of advertised fuel capacity.

Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

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BOATS

BOAT TESTS

Grand Banks 46 Eastbay FB

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Grand Banks

LOA: 50'0"

Model: Grand Banks 46 Eastbay FB

Beam: 14'7"

Model Year: 2014

Draft: 3'4"

Boat Type:

Displacement: 42,000 lb. (half load)

Generator 10-kW Cummins Onan

Standard Power: 2/600-hp Cummins QSC8.3s

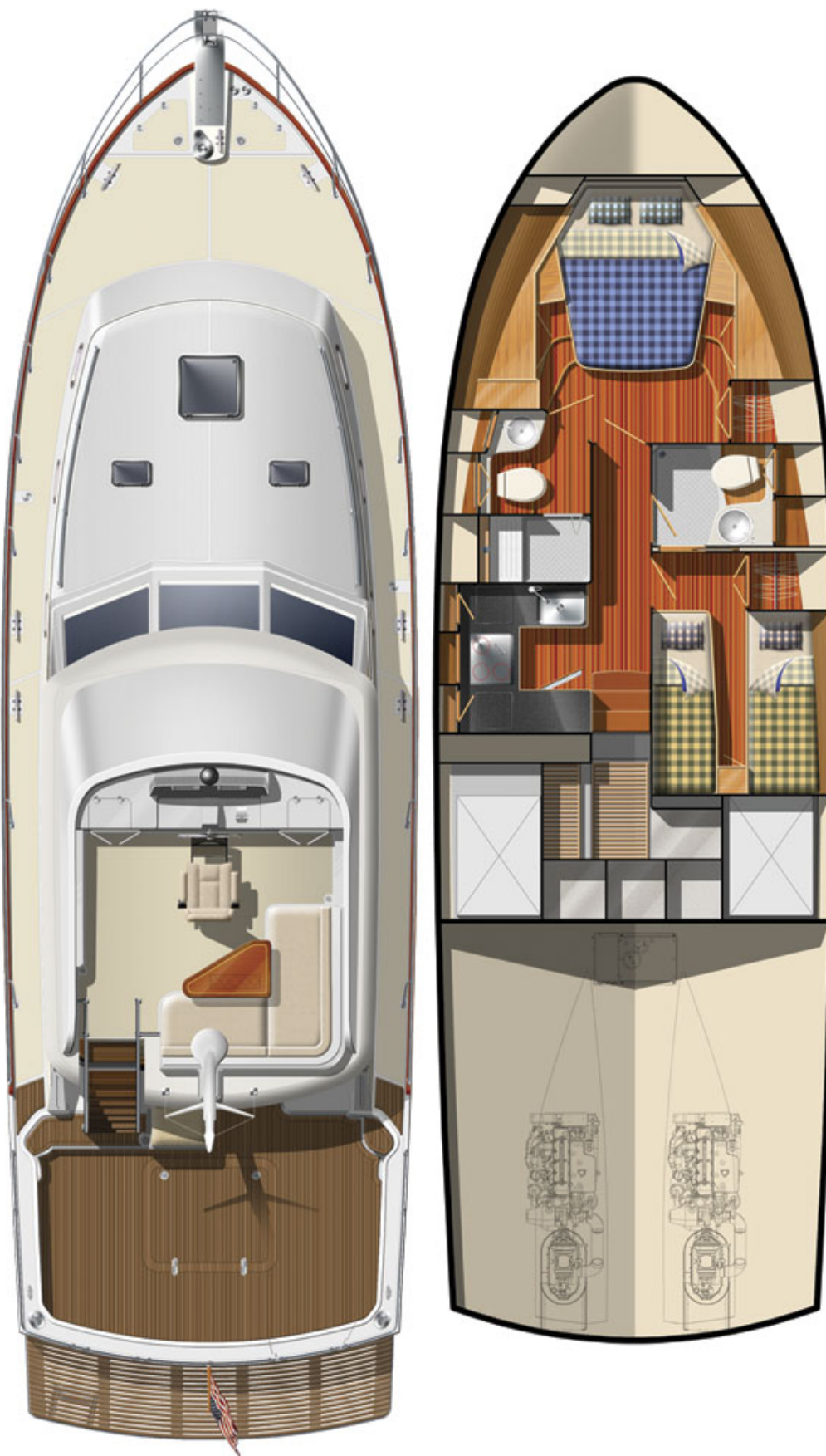
Warranty 1 year limited warranty

Optional Power: 2/550-hp Cummins QSC8.3s

Fuel Capacity: 500 gal.

Water Capacity: 150 gal.

Layout Diagram



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BOATS

BOAT TESTS

Grand Banks 46 Eastbay FB

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 72°F; humidity: 30%; seas: flat

LOAD DURING BOAT TEST

300 gal. fuel, 40 gal. water, 3 persons, 400 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/600-hp Cummins QSC8.3s

Transmission/Ratio: Cummins Zeus proprietary

Props: stainless steel Zeus M4s

Price as Tested: approx. \$1,200,000

The Numbers

Grand Banks 46 Eastbay FB - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE
600	3.5	1.0	1,575
1000	7.7	3.6	963
1500	10.7	12.2	395
2000	16.5	28.2	263
2250	18.7	34.0	248
2500	23.8	51.6	208
2750	26.5	51.0	234
3010	30.0	64.8	208



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BOATS

BOAT TESTS

Absolute 56 STY

By [Mike Ellis](#)



Boat Tests

SPECIFICATIONS

Builder: Absolute

LOA: 54'4"

Model: Absolute 56 STY

Beam: 15'3"

Model Year: 2014

Draft: 4'5"

Boat Type: Cruiser

Displacement: 46,800 lb. (loaded)

Generator 20-kW Kohler

Optional Power: 2/435-hp Volvo Penta IPS600s or 3/435-hp Volvo Penta IPS 600s

Fuel Capacity: 449 gal.

Water Capacity: 148 gal.

Layout Diagram



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BOATS

BOAT TESTS

Absolute 56 STY

By [Mike Ellis](#)



CONDITIONS DURING BOAT TEST

Air temperature: 69.8°F; seas: flat

LOAD DURING BOAT TEST

112 gal. fuel, 0 gal. water, 6 persons.

TEST BOAT SPECIFICATIONS

Test Engine: 2/600-hp Volvo Penta IPS 800s

Transmission/Ratio: Volvo Penta IPS 800

Price as Tested: \$1,976,400

The Numbers

Absolute 56 STY - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE
1200	10.8	15.9	274
1400	13.4	23.2	233
1600	17.1	29.9	231
1800	22.2	35.4	253
2000	26.1	39.4	268
2200	30.8	48.6	256
2460	36.2	62.3	235

Speeds are two-way averages measured w/ Garmin GPS display.

GPH taken via Volvo Penta display. Range is based on 90% of advertised fuel capacity.



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BOATS

BOAT TESTS

Numarine 70 Hardtop

By George Sass Jr.



CONDITIONS DURING BOAT TEST

Air Temperature: 73°F; humidity 84%; seas 2-3'

LOAD DURING BOAT TEST

700 gal. diesel, full water, 5 persons; full owner's gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,150-hp Caterpillar C18 ACERT diesels

Transmission/Ratio: ZF-500 1-IV

Props: 5-blade

The Numbers

Numarine 70 Hardtop - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1100	10.8	20.1	479	64
1400	13.4	41.2	290	67
1700	19.3	67.6	254	70
2000	26	94.1	246	74
2300	31.3	115	243	75

Speeds are two-way averages measured w/ GPS. GPH taken via Caterpillar display.

Range based on 90% of advertised fuel capacity.

Sound levels measured at helm. 65 dB(A) is the level of normal conversation.

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BOATS

BOAT TESTS

Numarine 70 Hardtop

By [George Sass Jr.](#)



Boat Tests

SPECIFICATIONS

Builder: Numarine

LOA: 70'10"

Model: Numarine 70 Hardtop

Beam: 17'10"

Model Year: 2014

Draft: 5'3"

Boat Type:

Displacement: 71,161 lb. (light ship)

Warranty 10-year structural warranty

Standard Power: 2/1,000-hp MAN V8-1000 diesels

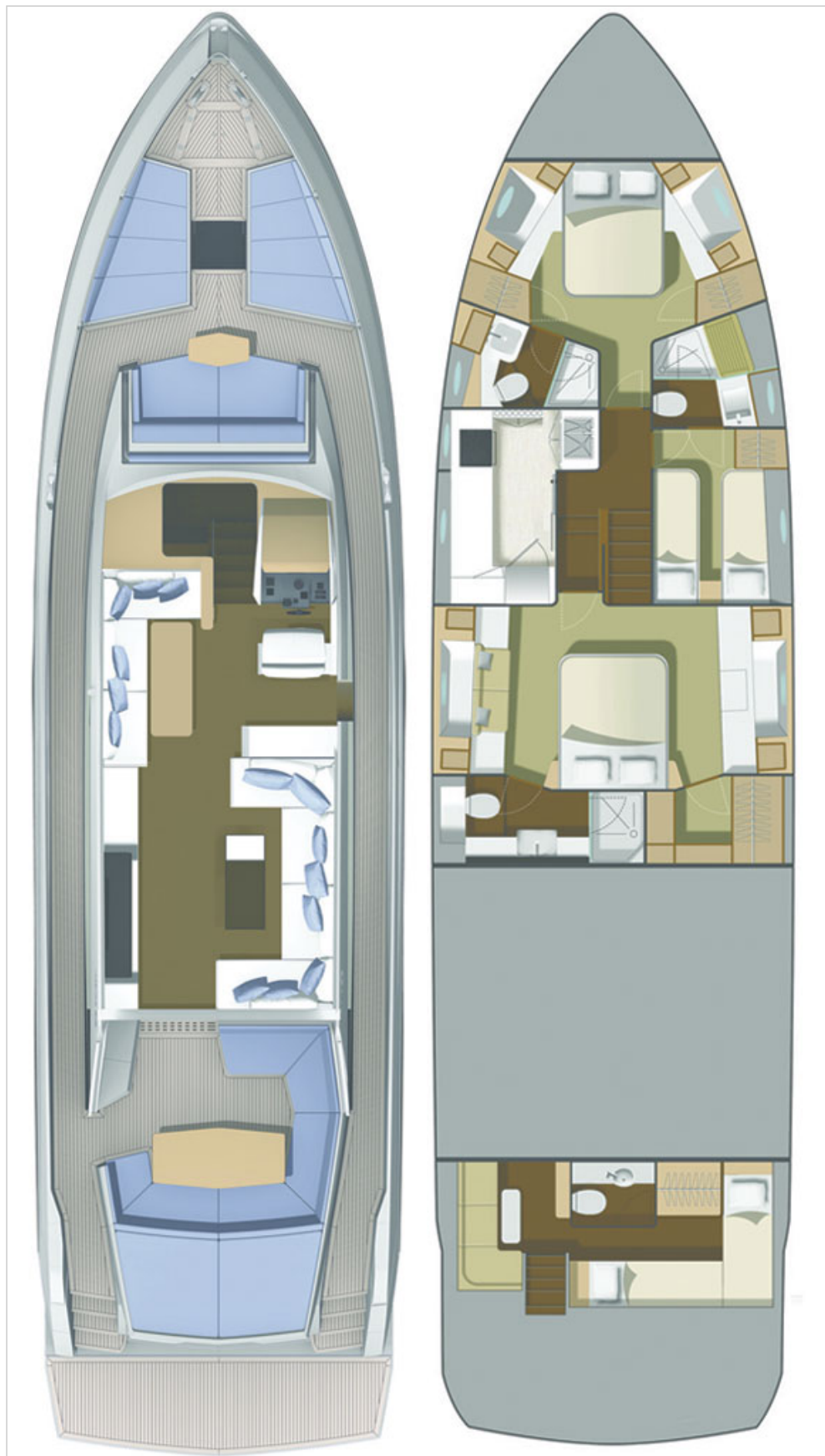
Generator 1/9.5-kW Cummins Onan, 1/23 kW-Cummins Onan

Optional Power: 2/1,200-hp MAN V8-1200 diesels

Fuel Capacity: 989 gal.

Water Capacity: 219 gal.

Layout Diagram



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BOATS

BOAT TESTS

Sanlorenzo SL 118

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Sanlorenzo

LOA: 119'9"

Model: Sanlorenzo SL 118

Beam: 24'11"

Model Year: 2014

Draft: 7'4"

Boat Type:

Displacement: 385,802 lb. (full load)

Generator 2/70-kW Kohlers

Optional Power: 2/3,182-hp MTU 12V 4000 M93s

Warranty Five-year structural hull warranty

Fuel Capacity: 3,619 gal.

Water Capacity: 1,189 gal.

Layout Diagram

N.B. HARD TOP OPTIONAL

Item	Description	Quantity
1	Engine	2
2	Generator	1
3	Water Pump	1
4	Waste Pump	1
5	Water Heater	1
6	Water Filter	1
7	Water Valve	1
8	Water Hose	1
9	Water Nozzle	1
10	Water Hose Reel	1
11	Water Hose Bracket	1
12	Water Hose Hook	1
13	Water Hose Strap	1
14	Water Hose Strap Hook	1
15	Water Hose Strap Bracket	1
16	Water Hose Strap Hook Bracket	1
17	Water Hose Strap Hook Bracket Hook	1
18	Water Hose Strap Hook Bracket Hook Hook	1
19	Water Hose Strap Hook Bracket Hook Hook Hook	1
20	Water Hose Strap Hook Bracket Hook Hook Hook Hook	1

SL118 SANLORENZO
SANLORENZO S.p.A. - 10010 Sanlorenzo (VC) - Italy - Tel. 011/2411111

614 USA
PHN GENERAL
GENERAL APPROPRIEMENT

25-05-2014 **VSD** **EA**

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BOATS

BOAT TESTS

Sanlorenzo SL 118

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature 63°F; sea temperature 57°F; seas: 1-2'

LOAD DURING BOAT TEST

1,809 gal. fuel, 594 gal. water, 17 persons, 5,000 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/2,637-hp MTU 16V 2000 M94s

Transmission/Ratio: ZF 4650A, 3.478:1 ratio

Props: 53 x 57 5-blade Nibral

The Numbers

Sanlorenzo 118 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	6.1	4.7	4,183	55
1000	9.4	19.0	1,610	54
1250	11.5	29.0	1,289	53
1500	13.2	61.2	701	55
1750	16.4	107.2	498	56
2000	19.3	149.5	420	58
2250	23.1	214.5	351	60
2450	26.2	269.4	317	62

Speeds are two-way averages measured w/ Raymarine GPS display.

GPH taken via MTU display. Range is based on 90% of advertised fuel capacity.

Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Cruisers 390 Express Coupe

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Cruisers Yachts

LOA: 39'0"

Model: Cruisers 390 Express Coupe

Beam: 12'8"

Model Year: 2014

Draft: 3'3" (I/O)

Boat Type: Cruiser

Displacement: 20,000 lb. (gasoline engines)

Warranty 5 years on all structural components, three years on blistering, one-year on remaining components

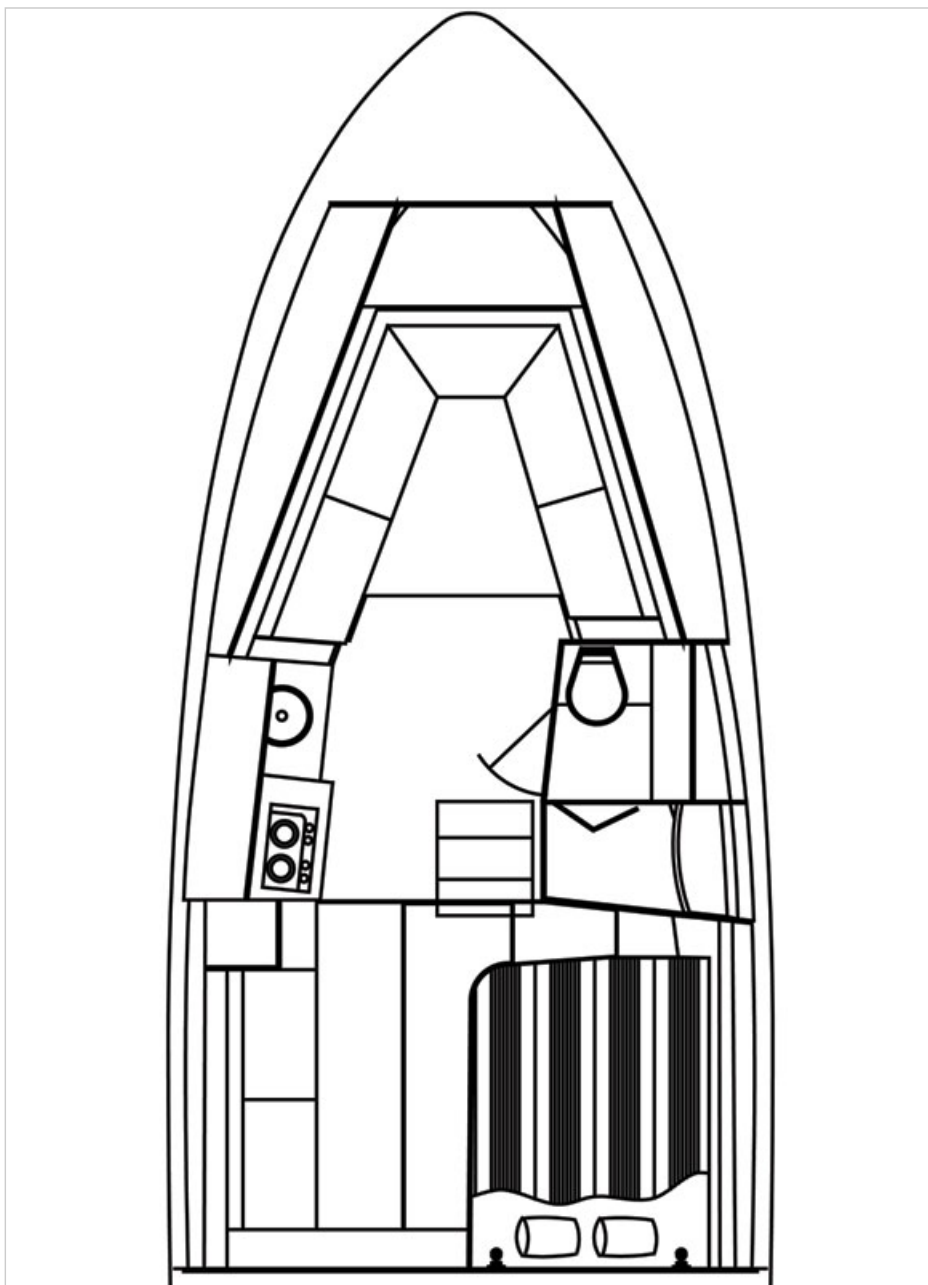
Standard Power: 2/380-hp Volvo Penta DuoProp gasoline stern drives

Optional Power: various Mercury gasoline and diesel stern drives to 430 hp; Volvo Penta diesel stern drives and IPS to 370 hp

Fuel Capacity: 230 gal.

Water Capacity: 70 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Black, CCP Composites gelcoat on hull

hardtop w/ full enclosure

foredeck chaise longue

interior dinette w/ flip-up bunks

cockpit seating with power backrests

teak cockpit table

7.3-kW gasoline genset

central vacuum

Amtico cabin sole

cockpit A/C

anchor washdown

electric cockpit grill and refrigerator

premium stereo

underwater lighting

additional windshield wiper

VHF

Mercury Seacore anti-corrosion system. Prices upon request.

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BOATS

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Cruisers 390 Express Coupe

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

Air temperature: 70°F; humidity: 65%; seas flat

LOAD DURING BOAT TEST

88 gal. fuel, no water, 3 persons, min. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/430-hp Mercury 8.2 HO gasoline stern drives

Transmission/Ratio: Bravo 3X/2.2:1 gear ratio

Props: Quicksilver XR 24 propset

Price as Tested: \$596,000

The Numbers

Cruisers 390 Express Cruiser - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	5.5	4.8	239	66
1500	7.6	7.9	198	67
2000	9.1	12.5	151	68
2500	10.7	18.5	120	71
3000	15.3	26.0	122	73
3500	23.0	35.0	136	76
4000	28.9	43.0	139	78
4500	33.3	61.0	113	79
5000	37.2	78.0	99	79



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BOATS

BOAT TESTS

Viking 92C

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Viking

LOA: 93'4" (w/o pulpit)

Model: Viking 92C

Beam: 24'1"

Model Year: 2014

Draft: 5'11"

Boat Type: Sportfisherman

Displacement: 205,000 lb.

Warranty 1 year limited

Standard Power: 2/1,925-hp Caterpillar C32 ACERT diesels

Optional Power: 2/2,635-hp MTU 16V2000 M96L diesels

Fuel Capacity: 3,410 gal. (std.); 4,018 gal. (opt.)

Water Capacity: 485 gal.

Layout Diagram



STANDARD EQUIPMENT

12-ton chilled-water A/C
Awlgripped engine room
Bomar hatch w/ Ocean Air screen/shade
hydraulic bow thruster
Delta T engine room ventilation system
Eskimo ice machine
fuel transfer and management system
dual-stage, variable-speed, 120-volt freshwater system
oil-change system
VEEM S-class props
1,800-gpd watermaker
VIPER (Viking Independent Programmable Electro-hydraulic Rudder) steering system
ASEA power-management system
2/40-kW Onan gensets
2/Glendinning Cablemasters
refrigerated drink box in cockpit
6/rod holders
fresh- and saltwater washdowns
transom-mounted illuminated fishbox
tackle cabinets in cockpit
CAN BUS control for AC/DC panel

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BOATS

BOAT TESTS

Viking 92C

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

Air temperature: 71°F; humidity: 56%; seas: 4-5'

LOAD DURING BOAT TEST

2,250 gal. fuel, 250 gal. water, 5 persons, 500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/2,635-hp MTU 16V2000 M96L diesels

Transmission/Ratio: ZF 5050A, 3.429:1 gear ratio

Props: VEEM 6-blade, pitch and diameter proprietary

Price as Tested: \$10,220,507

The Numbers

Viking 92C - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	12.6	30.0	1,519	66
1250	15.1	54.0	1,012	67
1500	19.0	84.0	819	69
1750	24.0	120.0	721	70
2000	28.8	166.0	627	70
2250	33.1	212.0	564	71
2430	38.5	260.0	507	72



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BOATS

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Riviera 565 SUV

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Riviera

LOA: 60'9"

Model: Riviera 565 SUV

Beam: 16'10"

Model Year: 2014

Draft: 4'3"

Boat Type: Cruiser

Displacement: 53,000 lb.

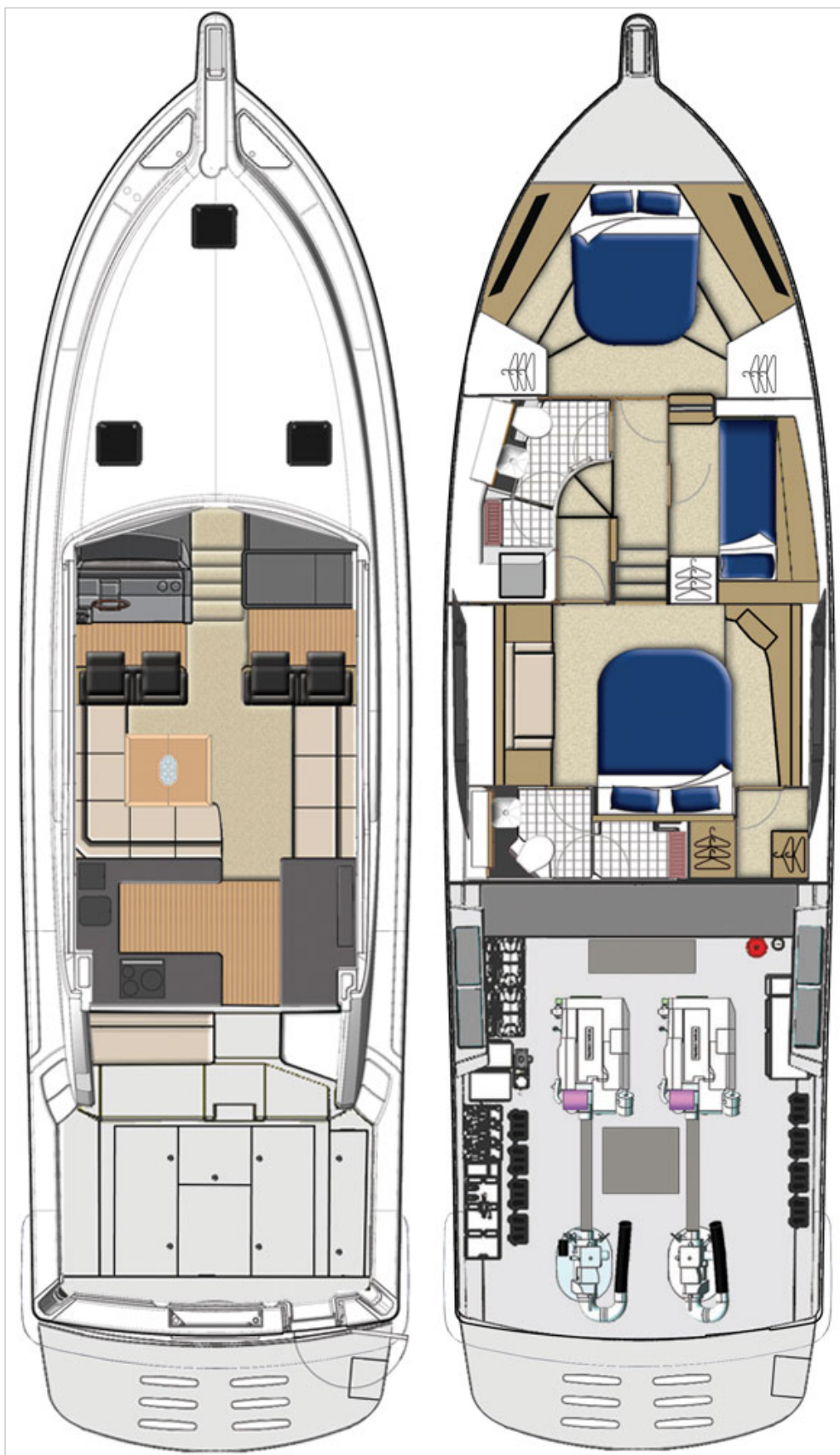
Generator 21.5-kW Onan

Fuel Capacity: 924 gal.

Warranty 1 year total, 5 years on hull

Water Capacity: 198 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Volvo IPS joystick system (\$15,650)
watermaker (\$21,450)
hydraulic lift for swim platform (\$50,031)

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BOATS

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Riviera 565 SUV

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 75°F; humidity 30%; seas: flat for speed numbers, 7-10' in open water

LOAD DURING BOAT TEST

264 gal. fuel, 75 gal. water, 5 persons, 0 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/700-hp Volvo Penta IPS950s

Props: T3 propset

Price as Tested: \$1,793,000

The Numbers

Riviera 565 SUV - Final Boat Test Numbers:

RPM	Knots	GPH	RANGE	dB(A)
600	6.1	2.6	1,951	69
1000	9.0	9.2	814	64
1500	14.9	25.9	478	69
2000	24.9	44.9	452	73
2410	32.9	66.0	415	76

Speeds are two-way averages measured w/ GPS display. GPH estimates taken via Volvo Penta display.

Range is based on 90% of advertised fuel capacity.

Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Townsend Bell and the Beneteau Barracuda 9

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Beneteau

LOA: 29'3"

Model: Beneteau Barracuda 9

Beam: 9'7"

Model Year: 2014

Draft: 4'3"

Boat Type:

Displacement: 7,584 lb.

Warranty 5-year structural, 2-year stem to stern

Fuel Capacity: 106 gal.

Water Capacity: 26 gal.

Layout Diagram



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BOATS

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Townsend Bell and the Beneteau Barracuda 9

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 72°F; humidity 15%; seas: 4-5'

LOAD DURING BOAT TEST

106 gal. fuel, 26 gal. water, 2 persons, 0 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/225-hp 4-Stroke Yamahas

Props: 14.5 x 17 stainless steel Yamaha Saltwater Series

Price as Tested: \$185,000

The Numbers

Beneteau Barracuda 9 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	4.8	2.4	191	66
2000	8.2	6.3	124	65
3000	13.2	12.7	99	73
3500	21.5	14.5	141	78
4000	25.9	19.9	124	80
4500	28.9	25.5	108	80
5000	33.3	29.5	108	82
6000	39.9	37.9	100	83

Speeds are two-way averages measured w/ GPS display. GPH estimates taken via Yamaha display.

Range is based on 90% of advertised fuel capacity.

Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Fountaine-Pajot Summerland 40 LC

By [Christopher White](#)



Boat Tests

SPECIFICATIONS

Builder: Fountaine Pajot

LOA: 39'3"

Model: Fountaine Pajot Summerland 40 LC

Beam: 17'8"

Model Year: 2014

Draft: 3'6"

Boat Type: Catamaran

Displacement: 19,600 lb.

Generator Cummins Onan, 11 kW

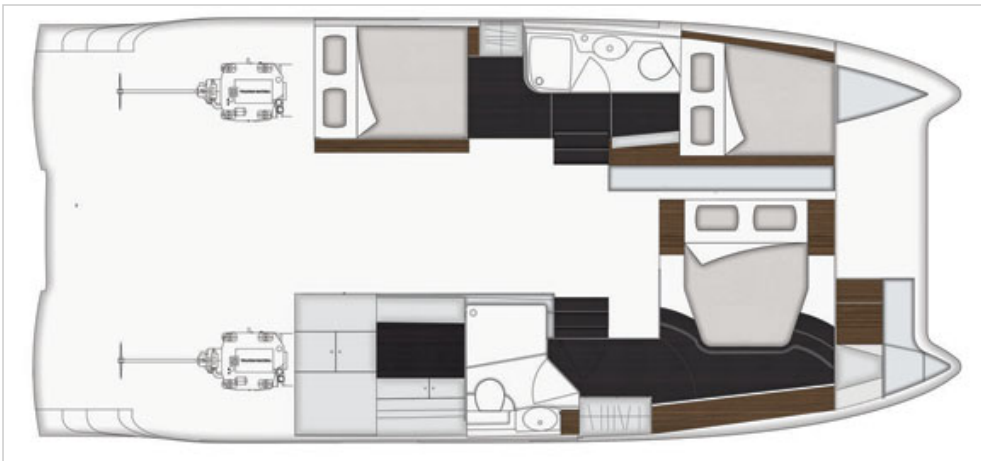
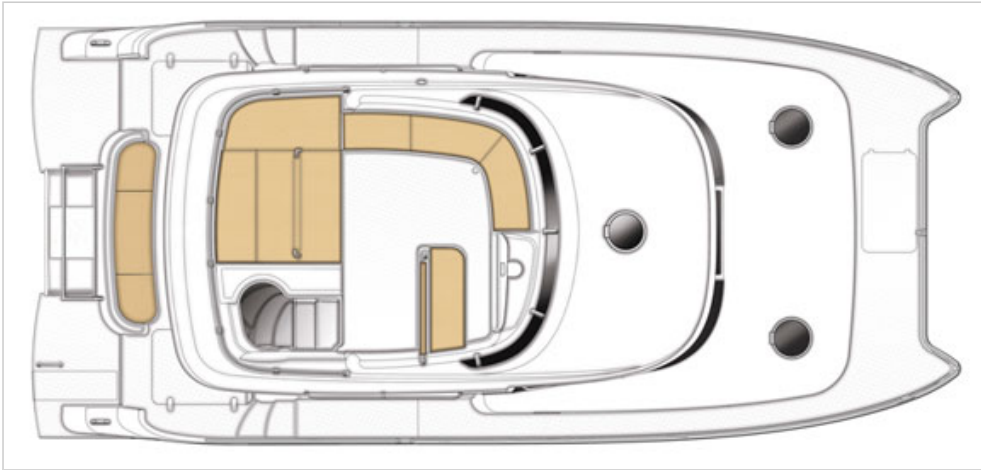
Optional Power: 2/200-hp Volvo D3s

Warranty 2 years on all equipment, 5 years on the hull and structure

Fuel Capacity: 370 gal.

Water Capacity: 158 gal.

Layout Diagram



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BOATS

BOAT TESTS

Fountaine-Pajot Summerland 40 LC

By [Christopher White](#)



CONDITIONS DURING BOAT TEST

Air temperature: 71°F; humidity: 70%; seas: 1' or less; wind: 6 knots

LOAD DURING BOAT TEST

278 gal. fuel, 0 gal. water, 6 persons, 60 lb. gear

TEST BOAT SPECIFICATIONS

Test Engine: 2/150-hp Volvo D3s

Transmission/Ratio: HS 45 AE-C, w/ 2.49:1 gear ratio

Props: 18 x 20 four-blade

The Numbers

Fountaine-Pajot Summerland 40 LC - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)	Running Attitude
700	3.6	0.8	1,499	57	0.0
1000	5.1	1.6	1,061	58	0.0
1500	6.8	2.4	944	65	0.5
2000	8.5	6.0	472	67	1.0
2500	9.5	9.4	337	73	2.5
3000	12.2	14.4	282	71	3.5
3190	14.3	17.4	274	74	4.0

Speeds are two-way averages measured with Garmin GPS. GPH taken from Volvo Penta display.

Range based on 90% of advertised fuel capacity.

Sound levels taken at the upper helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Pursuit DC 325

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Pursuit

LOA: 34'6"

Model: Pursuit DC 325

Beam: 10'10"

Model Year: 2014

Draft: 2'8"

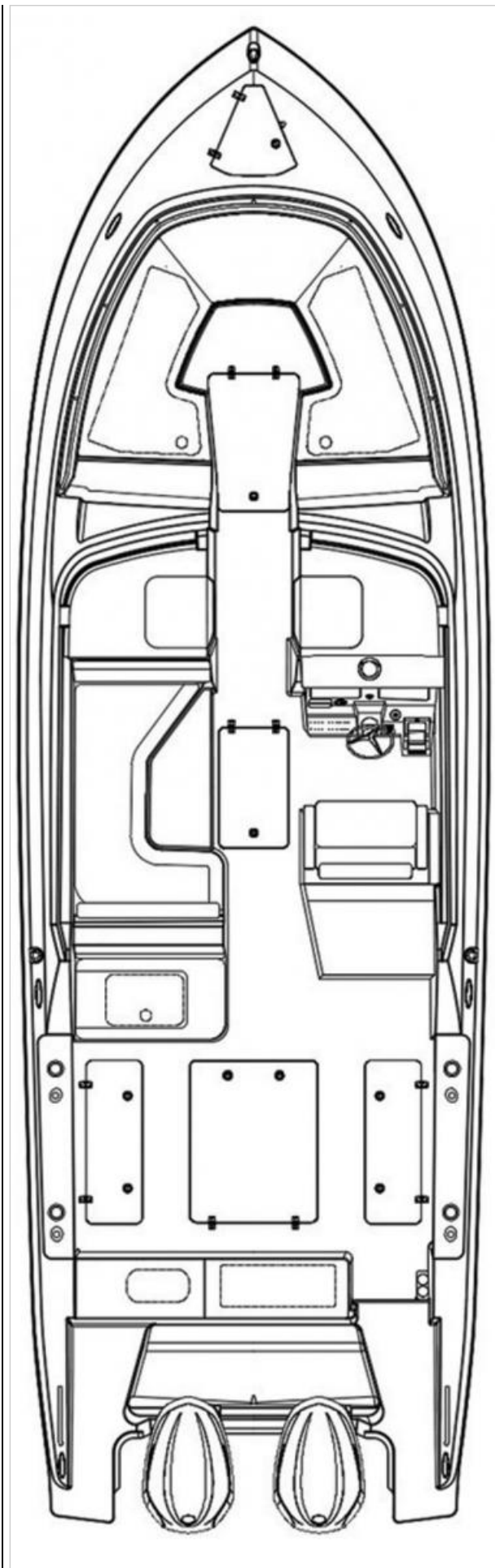
Boat Type:

Displacement: 11,775 lb.

Generator 4.2-kW Panda

Fuel Capacity: 300 gal.

Water Capacity: 30 gal.



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Pursuit DC 325

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 84°F; humidity: 60%; seas: 1'.

LOAD DURING BOAT TEST

250 gal. fuel, 20 gal. water, 3 persons, 1,500-lb gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/300-hp Yamaha V6 4.2L outboards

Transmission/Ratio: Yamaha

Props: 15.25 x 18 Yamaha SWS II

Price as Tested: Upon request

The Numbers

Pursuit DC 325 - Final Boat Test Numbers:

RPM	KNOTS	GPH	Range	dB(A)
1000	5.0	2.5	540	67
2000	8.3	6.7	334	72
3000	12.4	14.5	231	83
4000	27.4	25.2	294	85
4500	32.5	32.8	268	86
5000	36.4	43.4	226	87
5500	40.6	53.0	207	89
5600	41.6	52.9	212	93



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BOATS

BOAT TESTS

Hinckley Talaria 43

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Hinckley

LOA: 43'9"

Model: Hinckley Talaria 43

Beam: 14'6"

Model Year: 2014

Draft: 2'4"

Boat Type: Down East

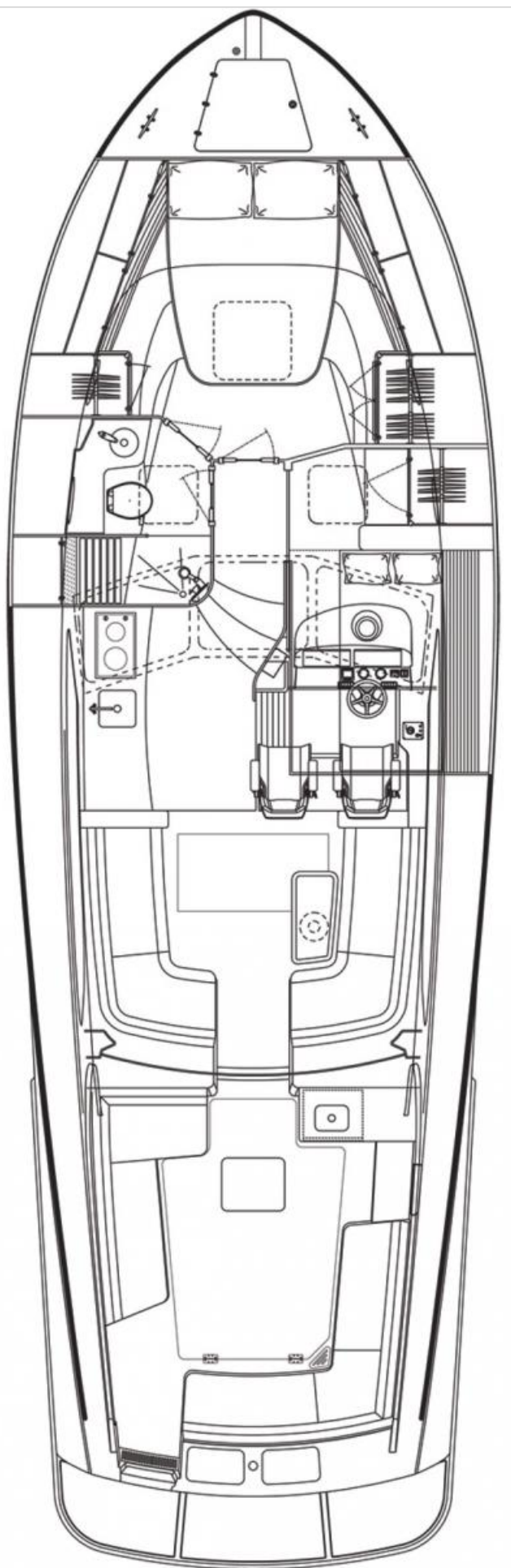
Displacement: 28,000 lb.

Standard Power: 2/435-hp Volvo Penta IPS600s

Optional Power: 2/550-hp Cummins QSC8.3 diesel inboards w/ Hamilton 322 water-jet drives

Fuel Capacity: 500 gal.

Water Capacity: 100 gal.



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BOATS

BOAT TESTS

Hinckley Talaria 43

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

Air temperature: 85°F; humidity: 80%; seas 3'

LOAD DURING BOAT TEST

500 gal. fuel, 50 gal. water, 6 persons, 500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/550-hp Cummins QSC8.3 diesel inboards w/ Hamilton 322 water-jet drives

Transmission/Ratio: Twin Disc MG-5075-SC, 1.33:1 gear ratio

Price as Tested: \$1,685,390

The Numbers

Hinckley Talaria 43 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	5.4	2.2	1,105	67
1250	6.5	3.6	813	67
1500	7.1	6.0	532	69
1750	8.6	9.0	430	70
2000	10.0	13.2	341	70
2250	10.8	17.6	276	71
2500	13.1	22.6	261	71
2750	18.3	31.2	264	72
3000	23.2	40.4	258	73
3300	31.3	58.0	243	73



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BOATS

BOAT TESTS

Coastal Craft 65 Concord

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Coastal Craft

LOA: 66'9"

Model: Coastal Craft 65 Concord

Beam: 16'11"

Model Year: 2014

Draft: 5'0"

Boat Type:

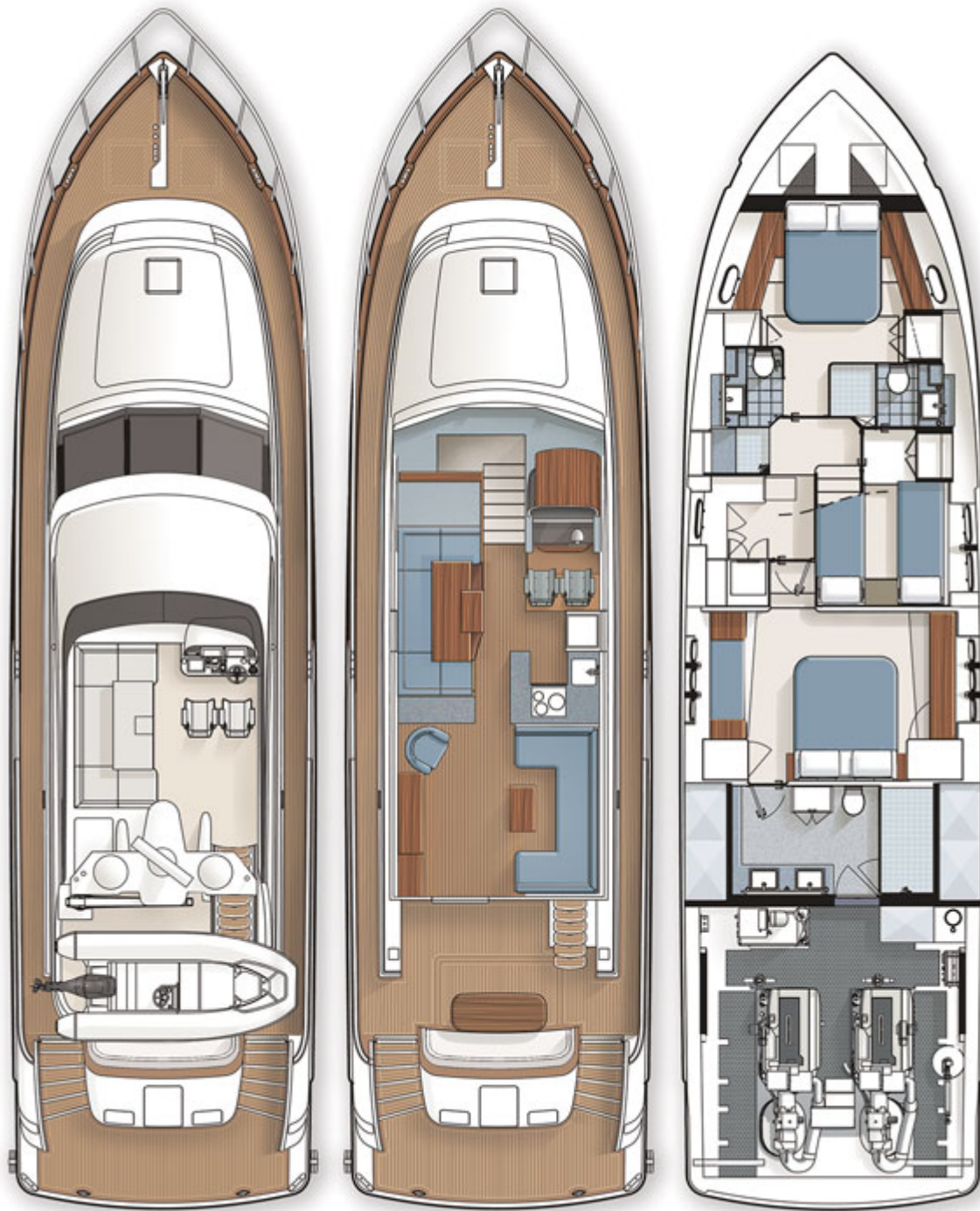
Displacement: 59,000 lb. (light ship)

Generator 1/23-kW Cummins Onan

Fuel Capacity: 1,000 gal.

Water Capacity: 220 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Step Warm radiant-floor heating (\$42,000)
Steelhead ES1000 deck crane (\$37,000)
Spectra Newport watermaker w/Z-ION system (\$29,000)
Forsa Stone marble in heads and showers (\$93,000)
teak decks on flying bridge (\$23,000)
Viking trash compactor (\$2,000).



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BOATS

BOAT TESTS

Coastal Craft 65 Concord

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 52°F; humidity 90%; seas: 1' or less; wind: variable, light

LOAD DURING BOAT TEST

950 gal. fuel, 205 gal. water, 3 persons, 1,000 lb. gear

TEST BOAT SPECIFICATIONS

Test Engine: 2/900-hp Volvo Penta IPS1200s

Transmission/Ratio: IPS3; 1.88:1 ratio

Props: Volvo Penta Q4 propsets

The Numbers

Coastal Craft 65 Concord - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	6.8	2	2,040	70
1000	10.3	11	843	68
1250	12.2	20	549	68
1500	15.2	33	415	71
1750	19.8	45	396	71
2000	24.8	58	385	73
2250	30.2	74	367	76
2370	32.6	86	341	76

Speeds are two-way averages measured w/ Garmin display. GPH estimates taken via Volvo Penta monitoring system.

Range based on 90% of advertised fuel capacity.

Sound levels measured at lower helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Step Warm radiant-floor heating (\$42,000)

Steelhead ES1000 deck crane (\$37,000)

Spectra Newport watermaker w/Z-ION system (\$29,000)

Forsa Stone marble in heads and showers (\$93,000)

teak decks on flying bridge (\$23,000)

Viking trash compactor (\$2,000).

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BOATS

BOAT TESTS

Marlow 62E

By [Capt. Richard Thiel](#)



Photo: Robert Holland

Boat Tests

SPECIFICATIONS

Builder: Marlow

LOA: 70'2"

Model: Marlow 62E

Beam: 19'4"

Model Year: 2014

Draft: 4'10"

Boat Type:

Displacement: 75,000 lb.

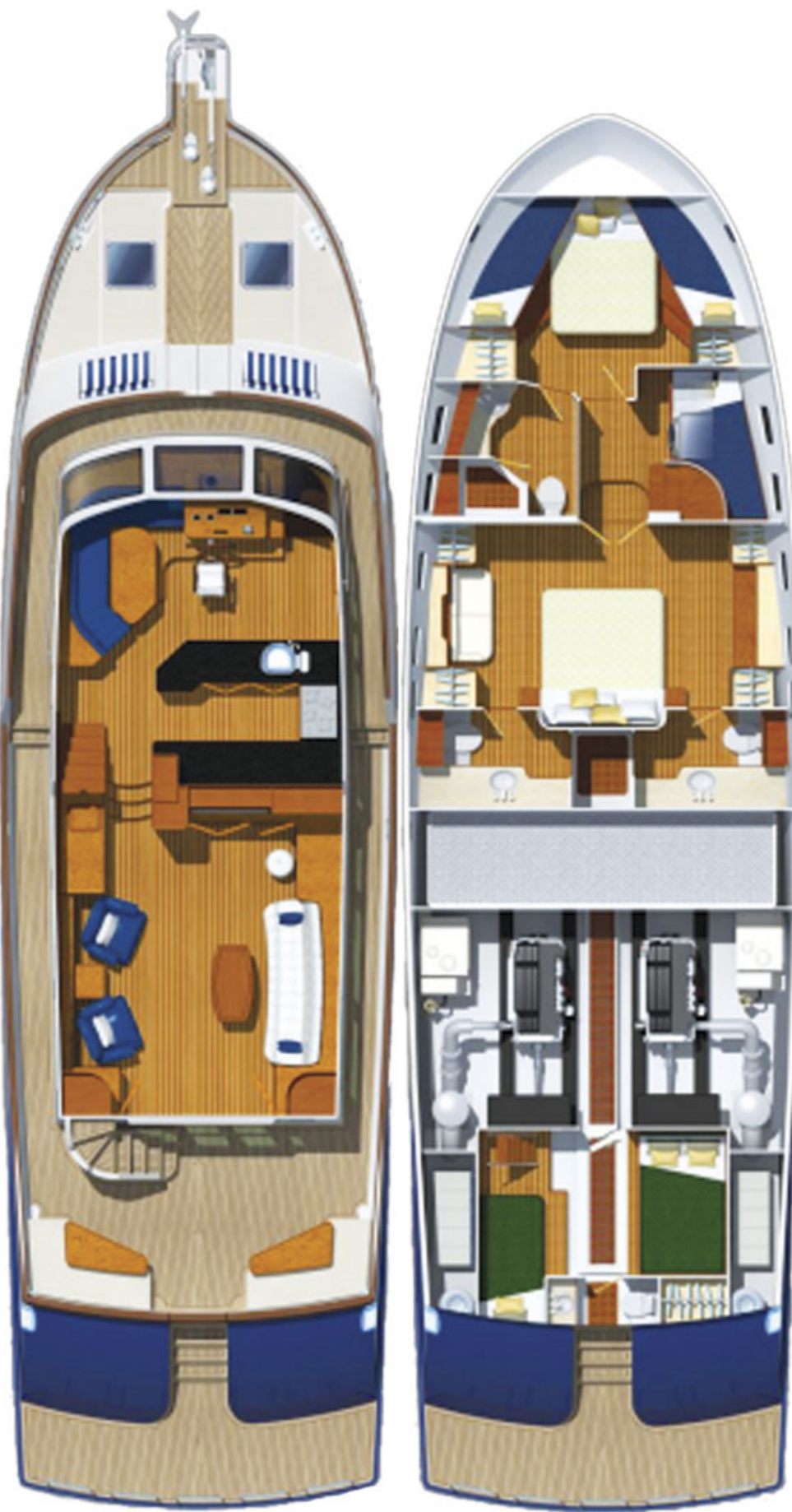
Generator 20-kW Cummins Onan

Standard Power: 2/715-hp Caterpillar C12 ACERT diesel inboards

Optional Power: 2/1,135-hp Caterpillar C18 ACERT diesels; MAN and MTU available on request

Fuel Capacity: 2,280 gal.

Water Capacity: 500 gal.



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BOATS

BOAT TESTS

Marlow 62E

By Capt. Richard Thiel



Photo: Robert Holland

CONDITIONS DURING BOAT TEST

Air temperature: 71°F; humidity: 65%; seas: flat

LOAD DURING BOAT TEST

2,200 gal. fuel, 200 gal. water, 2 persons, 1,000 lb. gear

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,015-hp Caterpillar C18 ACERT diesels

Transmission/Ratio: ZF500A with 2.57:1 gear ratio

Props: 39x44 5-blade Nibral

Price as Tested: \$2,350,000

The Numbers

Marlow 62E - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	db(A)
1000	8.8	5.6	3,190	66
1250	10.0	12.2	1,667	68
1500	10.8	29.0	756	69
1750	17.2	49.0	715	70
2000	21.2	66.6	648	72
2327	25.8	104.0	505	73

Speeds are two-way averages measured with shipboard GPS. GPH taken from Caterpillar engine display. Range is based on 90% of advertised fuel capacity. Sound levels measured at the lower helm. 65 dB (A) is the level of normal conversation.



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BOATS

BOAT TESTS

Mochi Craft Dolphin 54 Flybridge

By [Christopher White](#)



Boat Tests

SPECIFICATIONS

Builder: Mochi Craft

LOA: 54'8"

Model: Mochi Craft Dolphin 54 Flybridge

Beam: 16'1"

Model Year: 2014

Draft: 4'8"

Boat Type: Down East

Displacement: 59,304 lb.

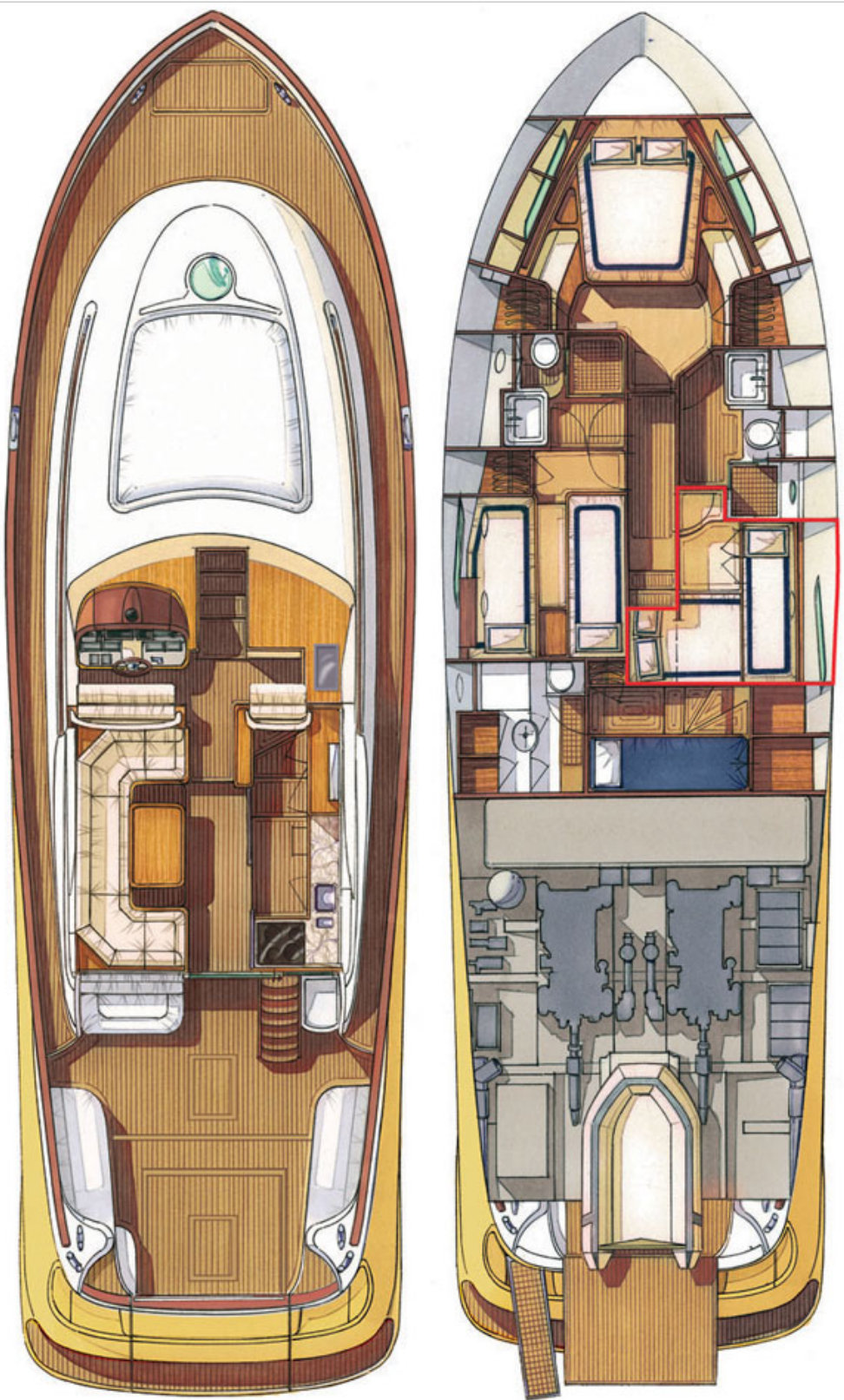
Generator 13-kW Kohler

Standard Power: 2/800-hp MAN R6-800 CRM
diesels

Fuel Capacity: 674 gal.

Water Capacity: 188 gal.

Layout Diagram





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BOATS

BOAT TESTS

Mochi Craft Dolphin 54 Flybridge

By [Christopher White](#)



CONDITIONS DURING BOAT TEST

Air Temperature: 77°F; seas: 1-2'

LOAD DURING BOAT TEST

621 gal. fuel; 58 gal. water; 7 persons onboard, minimal gear.

TEST BOAT SPECIFICATIONS

Transmission/Ratio: ZF 325-1A, 2.37:1 gear ratio

The Numbers

Mochi Craft Dolphin 54 Flybridge - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	6.8	4	1,031	65
1000	10.0	12	506	71
1250	11.6	20	352	74
1500	16.5	30	334	76
1750	20.4	44	281	77
2000	25.8	60	261	79
2250	29.7	78	231	81
2330	30.3	82	224	81

Speeds are two-way averages measured w/ Furuno GPS. GPH taken via MAN display.

Range is based on 90% of advertised fuel capacity.

Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.

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BOATS

BOAT TESTS

Azimut Atlantis 50

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Azimut

LOA: 53'6"

Model: Azimut Atlantis 50

Beam: 14'6"

Model Year: 2014

Draft: 4'3"

Boat Type: Cruiser

Displacement: 46,120 lb. (full load)

Fuel Capacity: 449 gal.

Water Capacity: 111 gal.

Layout Diagram



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BOATS

BOAT TESTS

Azimut Atlantis 50

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature: 59°F; humidity: 83%; seas: 1-2'

LOAD DURING BOAT TEST

210 gal. fuel, 26 gal. water, 6 persons, 250 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/600-hp Cummins QSC8.3 diesels

Props: 25 x 33 5-blade Nibral

Price as Tested: \$1,100,000 (approx.)

The Numbers

Azimut Atlantis 50 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	7.9	3.4	945	69
1300	9.5	7.2	533	71
1600	11.6	15.1	311	76
1900	15.3	23.0	271	77
2200	17.2	28.7	234	77
2500	26.3	46.5	230	81
2800	29.2	55.0	214	82
3000	32.4	64.5	202	82



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BOATS

BOAT TESTS

Arcadia 115

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Arcadia Yachts

LOA: 114'10"

Model: Arcadia 115

Beam: 26'6"

Model Year: 2014

Draft: 8'6"

Boat Type: Megayacht

Displacement: 396,825 lb. (full load)

Generator 2/40-kW Kohler 50Hz

Standard Power: 2/1,224-hp MAN V12s

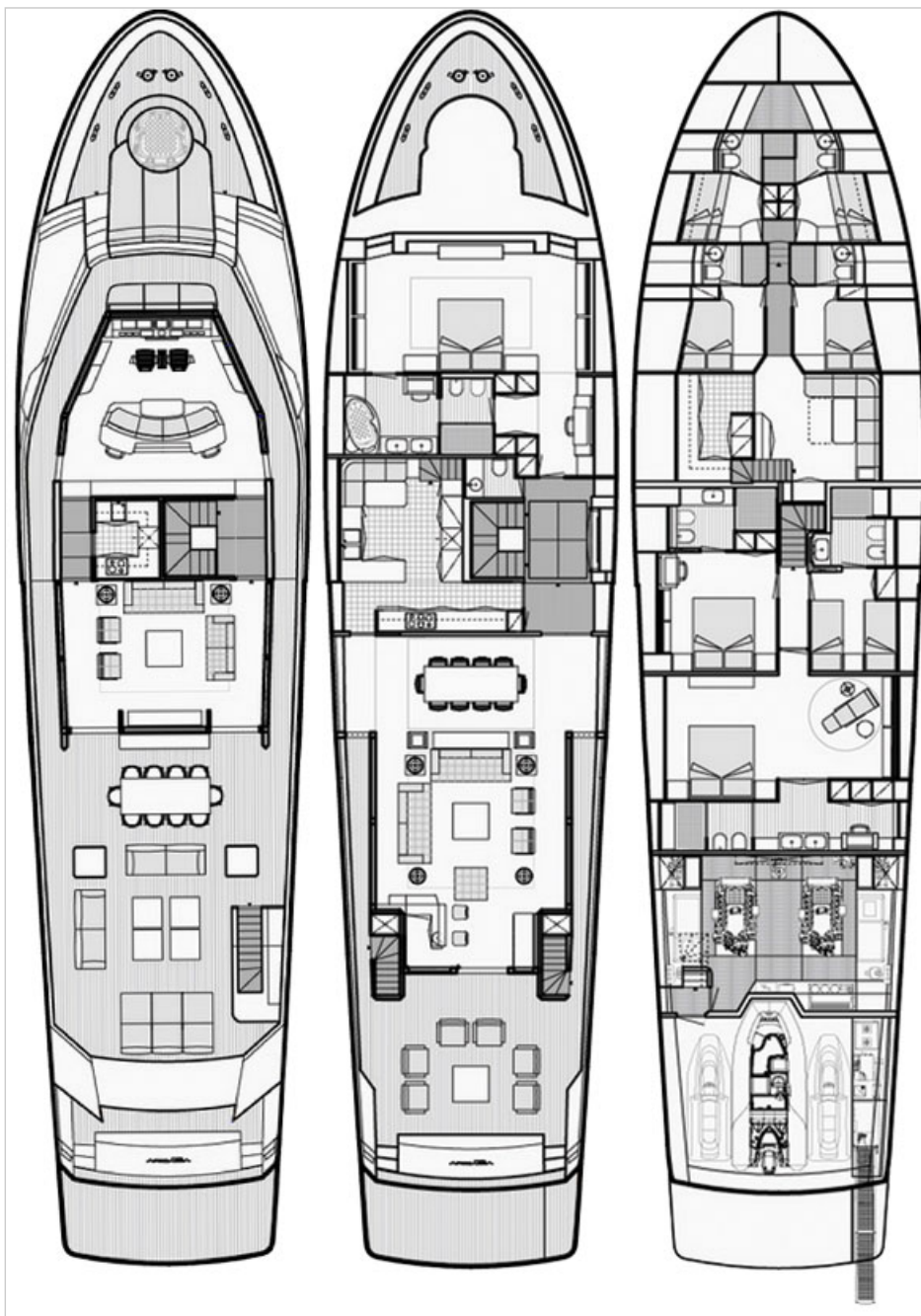
Air Conditioning 180,000-Btu Condaria

Optional Power: none

Fuel Capacity: 3,963 gal.

Water Capacity: 1,057 gal.

Layout Diagram



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BOATS

BOAT TESTS

Arcadia 115

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature 63°F; humidity 58%; seas: 1-2'

LOAD DURING BOAT TEST

2,497 gal. fuel, 994 gal. water, 5 persons, 2,200 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,224-hp MAN V12s

Transmission/Ratio: ZF 2150A, 2.92:1 gear ratio

The Numbers

Arcadia 115 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	5.5	2.6	7,545	42
1000	8.2	9.0	3,250	43
1250	10.1	17.4	2,070	43
1500	11.9	29.7	1,429	45
1750	13.4	48.6	983	44
2000	14.7	73.4	714	46
2250	16.2	106.7	542	54
2350	16.7	124.7	478	48

Speeds are two-way averages measured w/ Raymarine GPS display. GPH taken via MAN display.

Range is based on 90% of advertised fuel capacity.

Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

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BOATS

BOAT TESTS

Riviera 50

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Riviera

LOA: 56'8"

Model: Riviera 50

Beam: 16'5"

Model Year: 2014

Draft: 3'10"

Boat Type: Cruiser

Fuel Capacity: 793 gal.

Water Capacity: 198 gal.



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BOATS

BOAT TESTS

Riviera 50

By [Capt. Bill Pike](#)



TEST BOAT SPECIFICATIONS

The Numbers

Riviera 50 - Final Boat Test Numbers:
Zeus: Test In The West

RPM	KNOTS	GPH	RANGE	NMPG	dB(A)	Trim (Degrees)
600	4.6	1.2	2,736	3.83	57	0
1000	7.2	3.4	1,511	2.12	59	0
1250	8.5	6.2	978	1.37	63	0.5
1500	10.1	10.8	667	0.94	64	1
1750	11.1	17.0	466	0.65	67	2
2000	12.1	26.0	332	0.47	70	3.5
2250	13.8	33.4	295	0.41	70	4
2500	17.9	40.2	318	0.45	70	4.5
2750	22.6	46.4	348	0.49	72	5
3000	27.0	65.8	293	0.41	76	3.5

Test Conditions: Air temperature: 55°F; humidity 49%; seas: 1' or less; wind: variable, light; load: 380 gal. fuel, 150 gal. water, 4 persons, 300 lb. gear. Speeds are two-way averages measured w/ Garmin display. GPH estimates taken via Volvo Penta monitoring system. Range based on 90% of advertised fuel capacity. Decibels measured at helm on A scale. 65 dB(A) is the level of normal conversation.

**Riviera 50 - Final Boat Test Numbers:
IPS: Beast Of The East**

RPM	KNOTS	GPH	RANGE	NMPG	dB(A)	Trim (Degrees)
600	5.4	2.6	1,482	2.08	64	0.5
1000	9.2	8.7	755	1.06	64	1
1250	11.0	17.8	441	0.62	65	4
1500	12.7	27.0	336	0.47	67	4
1750	17.3	36.5	338	0.47	67	4.5
2000	21.9	46.0	340	0.48	67	5.5
2250	27.8	59.0	336	0.47	71	5.5
2500	33.3	74.0	321	0.45	71	5.5
2540	34.3	76.0	322	0.45	72	4

Test Conditions: Air temperature: 80°F; humidity 73%; seas: 1-2'; wind: variable, light; load: 400 gal. fuel, 160 gal. water, 3 persons, 400 lb. gear. Speeds are two-way averages measured w/Garmin display. GPH estimates taken via Cummins monitoring system. Range based on 90% of advertised fuel capacity. Decibels measured at helm on A scale. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options (IPS): Volvo Penta upgrade to IPS950s (\$63,072)
 Davos davit (\$22,319)
 flybridge aft docking station (\$14,820)
 Webasto electric sunroof (\$21,500)
 washer/dryer combo unit (\$4,376)
 upgrade to Pompanette Slimline Platinum helmchairs (\$15,746).

On Location

Better Boat: Totally Top Hamper

Our two Riviera 50 Enclosed Flybridge test boats—one with IPS pods from Volvo Penta and the other with Cummins Zeus pods—were darn near identical, save for their propulsion packages. The layout of each featured a single primary helm station, located to port and well forward of a lounge/dinette area on the flying bridge. Joystick and binnacle-type engine controls were mounted well to port of two Stidd chairs at the helm, one for the skipper, the other for his or her mate. Another (optional) joystick was installed at the rear of the flybridge and each cockpit was outfitted with a joystick as well.

On the main deck, the 50's outdoors-indoors synergy was big-time obvious. With the large, heavily constructed stainless-steel sliding doors open in the main bulkhead and the equally large awning-type window tilted up, the interior furnishings forward and the U-shaped galley aft eased seamlessly into the immense cockpit. The latter spot, by the way, was a veritable amphitheater of outdoorsy pursuits, thanks to a mezzanine, two transom doors, and a credenza-like module in between (which an owner can outfit with either barbecue or fish-fighting gear) strategically positioned to be at the center of all the action.

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BOATS

BOAT TESTS

Ferretti 750

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Ferretti

LOA: 74'7"

Model: Ferretti 750

Beam: 18'8"

Model Year: 2014

Draft: 6'0"

Boat Type: Cruiser

Displacement: 109,790 lb.

Generator 2/23-kW Cummins Onan

Optional Power: 2/1,524-hp MTU 10V 2000 M93s

Fuel Capacity: 1,321 gal.

Water Capacity: 262 gal.

Layout Diagram



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BOATS

BOAT TESTS

Ferretti 750

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 73°F; humidity: 60%; seas: 4-5'

LOAD DURING BOAT TEST

900 gal. fuel, 60 gal. water, 4 persons, 200 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,381-hp MTU 10V 2000 M84s

Transmission/Ratio: ZF model 2150 A, 2.714:1 ratio

Props: 50 x 56 Rolla 5-blade

Price as Tested: Upon request

The Numbers

Ferretti 750 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
550	6.8	4.0	2,021	66
900	8.9	10.0	1,058	67
1200	11.8	26.0	540	69
1500	15.0	50.0	357	70
1800	20.5	86.0	283	71
2100	26.5	114.0	276	76
2410	31.0	152.0	242	78



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BOATS

BOAT TESTS

Baglietto MV13

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Baglietto

LOA: 45'3"

Model: Baglietto MV13

Beam: 12'9"

Model Year: 2014

Draft: 5'1"

Boat Type:

Displacement: 36,800 lb. (half load)

Generator 9-kW Kohler

Standard Power: 2/800-hp MAN R6-800 diesels

Fuel Capacity: 264 gal.

Water Capacity: 66 gal.

Layout Diagram



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BOAT TESTS

Baglietto MV13

By [Alan Harper](#)



TEST BOAT SPECIFICATIONS

Transmission/Ratio: ZF 325 IV, 1.485:1 gear ratio

Props: 25.98 X 37.8 Rolla Nibral

The Numbers

Baglietto MV13 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE
1000	10	13.2	180
1200	15	23.8	150
1400	20	34.3	139
1600	24	42.3	135
1800	28	50.2	133
2000	32	60.8	125
2300	37	79.3	111

Note: Test data provided by builder



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BOATS

BOAT TESTS

Rio Yachts 56 Granturismo

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Rio Yachts

LOA: 58'8"

Model: Rio Yachts 56 Granturismo

Beam: 15'4"

Model Year: 2014

Draft: 4'10"

Boat Type: Cruiser

Displacement: 57,000 lb. (dry)

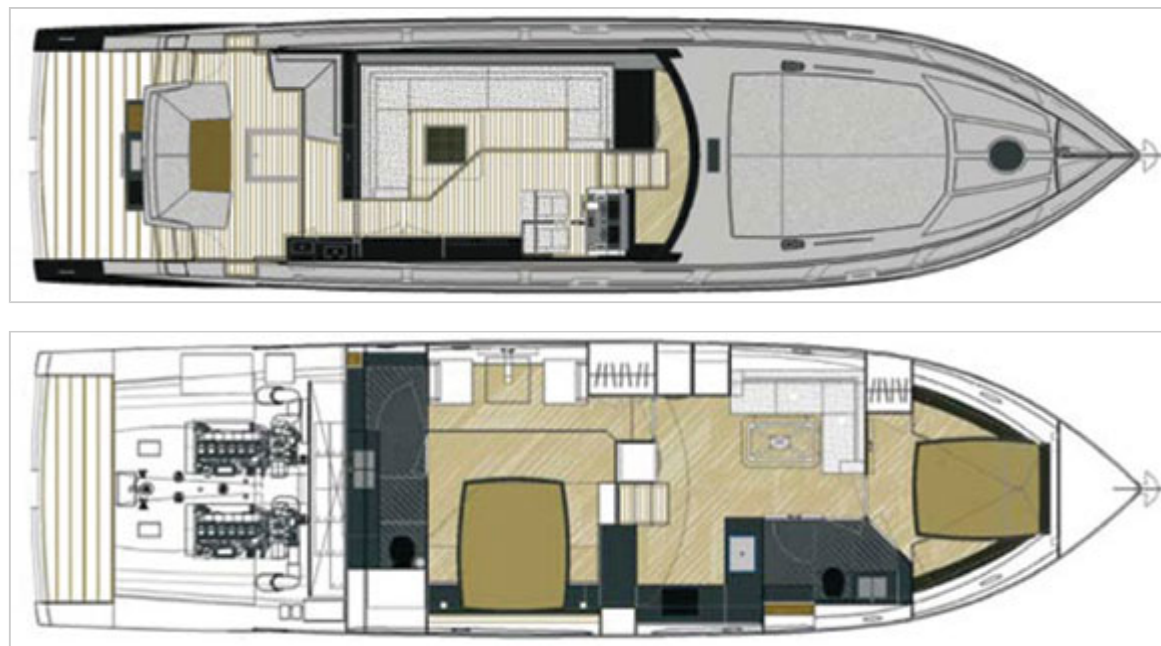
Generator 23-kW Kohler

Optional Power: various pod and straight-shaft
setups

Fuel Capacity: 800 gal.

Water Capacity: 200 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Awlgrip paint (\$100,000)
ebony-wood upgrade (\$10,000)
granite upgrade (\$5,000).

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BOATS

BOAT TESTS

Rio Yachts 56 Granturismo

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 78°F; humidity: 50%; seas: flat

LOAD DURING BOAT TEST

350 gal. fuel, 50 gal. water, 5 persons, 300 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/715-hp Cummins QSM11 diesels w/ Zeus pod drives

Transmission/Ratio: Cummins Zeus .83:1 ratio

Props: Zeus 2

Price as Tested: \$2,185,000

The Numbers

Rio Yachts 56 Granturismo - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	6.1	2.6	1,689	72
900	8.5	6.6	927	69
1200	10.9	13.9	565	73
1500	11.7	28.6	295	73
1800	20.4	38.4	383	77
2100	27.2	54.4	360	78
2200	29.5	60.0	354	81
2420	34.2	75.3	327	84



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BOATS

BOAT TESTS

Hatteras GT60 vs. Knit Wits

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Hatteras

LOA: 59'10"

Model: Hatteras GT60

Beam: 19'0"

Model Year: 2014

Draft: 4'9"

Boat Type: Sportfisherman

Displacement: 89,500 lb.

Optional Power: 2/1,600-hp Caterpillar C32 ACERT
or 2/1,800-hp Caterpillar C32 ACERT diesel inboards

Fuel Capacity: 1,500 gal.

Water Capacity: 200 gal.

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BOATS

BOAT TESTS

Hatteras GT60 vs. Knit Wits

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity 79%; seas: 3-4'; wind: 13-15 knots

LOAD DURING BOAT TEST

1,200 gal. fuel, 200 gal. water, 2 persons, 200 lbs. gear

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,900-hp Caterpillar C32 ACERT diesel inboards

Transmission/Ratio: ZF3150 A; 2.47:1 ratio

Props: 40 x 68 5-blade Nibral Michigan Wheel

Price as Tested: Upon Request

The Numbers

Hatteras GT60 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	9.1	10.0	1,229	76
1000	13.2	40.0	446	85
1250	18.8	70.0	363	86
1500	25.7	98.0	354	89
1750	31.3	130.0	325	90
2000	36.7	166.0	298	93
2235	40.2	200.0	271	93

Test Conditions: Air temperature: 80°F; humidity 79%; seas: 3-4'; wind: 13-15 knots; load: 1,200 gal. fuel, 200 gal. water, 2 persons, 200 lbs. gear. Speeds are two-way averages measured w/ Garmin display. GPH estimates taken via Caterpillar display. Range based on 90% of advertised fuel capacity. Decibels measured at upper helm on A scale. 65 dB(A) is the level of normal conversation.

Noteworthy Options: Pipewelders tower; engine upgrade; additional 21.5-kW Cummins Onan genset (pricing upon request).

Knit Wits - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
550	4.9	2.0	714	72
1000	7.3	5.0	426	78
1250	8.5	7.0	354	78
1500	10.7	9.0	347	79
1750	10.9	10.0	318	79
2000	15.1	14.0	315	79
2250	18.5	17.5	308	81
2500	20.9	20.0	305	82
2600	22.7	22.0	301	83

Test Conditions: Air temperature: 80°F; humidity 79%; seas: flat calm; wind: 4-8 knots; load: 300 gal. fuel, 200 gal. water, 2 persons, 200 lb. gear. Speeds are two-way averages measured w/ Garmin GPS. GPH estimates taken via Detroit Diesel fuel curves. Range based on 90% of advertised fuel capacity. Decibels measured at upper helm on A scale. 65 dB(A) is the level of normal conversation.

Noteworthy Options (prices circa 1960): Pompanette Marlin fighting chair (\$555); Lee 8' outriggers w/25' aluminum poles (\$425); 2/Lee rodholders (\$24); Bimini top (\$400); curtains and soft goods for trunk cabin, pilothouse, and two staterooms (\$450).

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BOAT TESTS

Prestige 450 Flybridge

By [Christopher White](#)

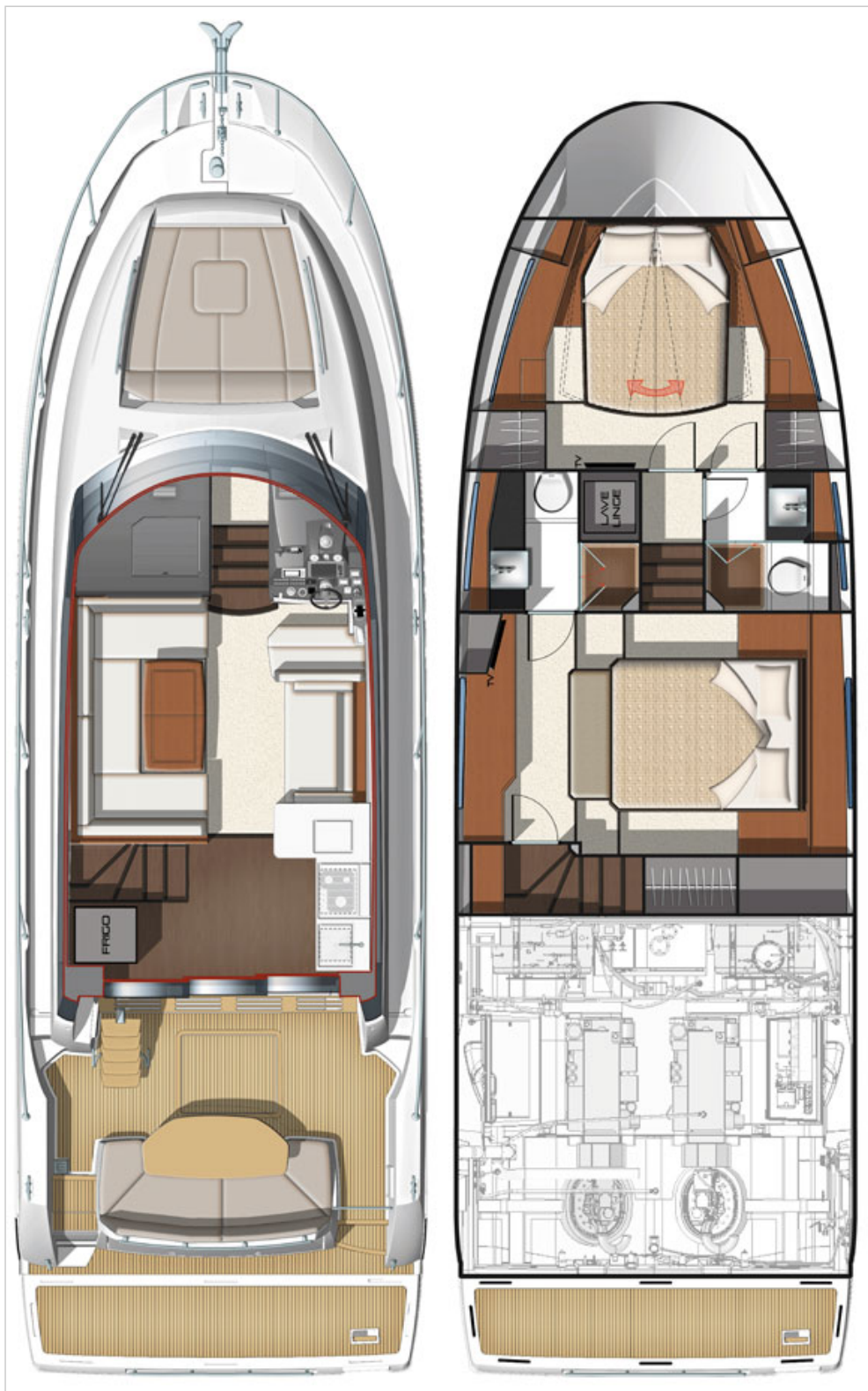


Boat Tests

SPECIFICATIONS

Builder: Prestige	LOA: 45'9"
Model: Prestige 450 Flybridge	Beam: 14'1"
Model Year: 2014	Draft: 3'7"
Boat Type: Cruiser	Displacement: 24,251 lb.
Generator 11-kw Cummins Onan	Optional Power: 2/370-hp Volvo Penta IPS500s
	Fuel Capacity: 317 gal.
	Water Capacity: 137 gal.

Layout Diagram



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BOATS

BOAT TESTS

Prestige 450 Flybridge

By [Christopher White](#)



CONDITIONS DURING BOAT TEST

Air temperature: 85°F; humidity: 47%; seas: 1-2'; wind: 10-15 knots

LOAD DURING BOAT TEST

159 gal. fuel, 137 gal. water, 4 persons, 100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/435-hp Volvo Penta IPS600s

Transmission/Ratio: IPS-F w/1.82:1 gear ratio

Props: Volvo T3

Price as Tested: Upon request

The Numbers

Prestige 450 Flybridge - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	4.0	0.7	1,630	63
1000	6.1	1.8	967	67
1500	9.0	6.3	408	69
2000	10.3	14.5	203	72
2500	15.6	23.9	186	74
3000	24.7	32.2	219	77
3490	31.1	44.9	198	80

Speeds are two-way averages measured with Raymarine GPS. GPH estimates taken via Volvo Penta monitoring system.

Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Viking 42 ST

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Viking

LOA: 42'7"

Model: Viking 42 ST

Beam: 15'10"

Model Year: 2014

Draft: 3'5"

Boat Type: Sportfisherman

Displacement: 30,000 lb. (dry)

Generator 12-kW Phasor

Fuel Capacity: 525 gal.

Water Capacity: 120 gal.



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BOATS

BOAT TESTS

Viking 42 ST

By [Kevin Koenig](#)



TEST BOAT SPECIFICATIONS

Test Engine: 2/600-hp Cummins QSC8.3 diesels w/ Zeus pod drives

Transmission/Ratio: Zeus, 1.75:1 ratio

Props: MerCruiser M9 countrarotating props

Price as Tested: \$1,317,229

The Numbers

Viking 42 ST - Final Boat Test Numbers:

RPM*	KNOTS	GPH	RANGE
600	5.3	1.2	2,087
1000	8.4	4.0	992
1500	10.7	15.1	335
2100	24.6	29.8	390
2400	27.5	35.8	363
2800	32.7	48.0	322
3000	35.2	58.5	284
3085	36.2	62.5	274

*Due to adverse conditions, test numbers were provided by Viking.

Seats in the Mezzanine:



Mezzanine seating, like the kind seen on the Viking 42 ST, has become de rigueur in the world of sportfishing, and if you've ever been fishing on a boat with a mezzanine, you know why: There's simply no better seat in the house to watch the action. Somewhat ingeniously, the design also allows for tons of extra stowage. In the 42's case, that means extra freezers and recessed tackle boxes are always within easy reach of men at work.

Fishing Machine:



The heart of any boat is her engine room. And you can't get out to the fish, and more importantly, home again, if your ER is in bad shape. The 42's twin 600-horsepower Cummins diesels are housed in an almost shockingly large space accessible via a companionway in the mezzanine. Dual Racors show a reassuring bent towards redundancy while white Awlgrip throughout will help the captain immediately spot oil spills. Even better, everything is labeled and orderly, meaning that if something does go wrong—Murphy's Law is a thing for a reason—you'll be in the best possible position to fix the problem.

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BOATS

BOAT TESTS

Alpha 87 Sportbridge

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Cheoy Lee

LOA: 87'1"

Model: Alpha 87 Sportbridge

Beam: 21'7"

Model Year: 2014

Draft: 5'5" (full load)

Boat Type: Cruiser

Displacement: 153,200 lb. (full load)

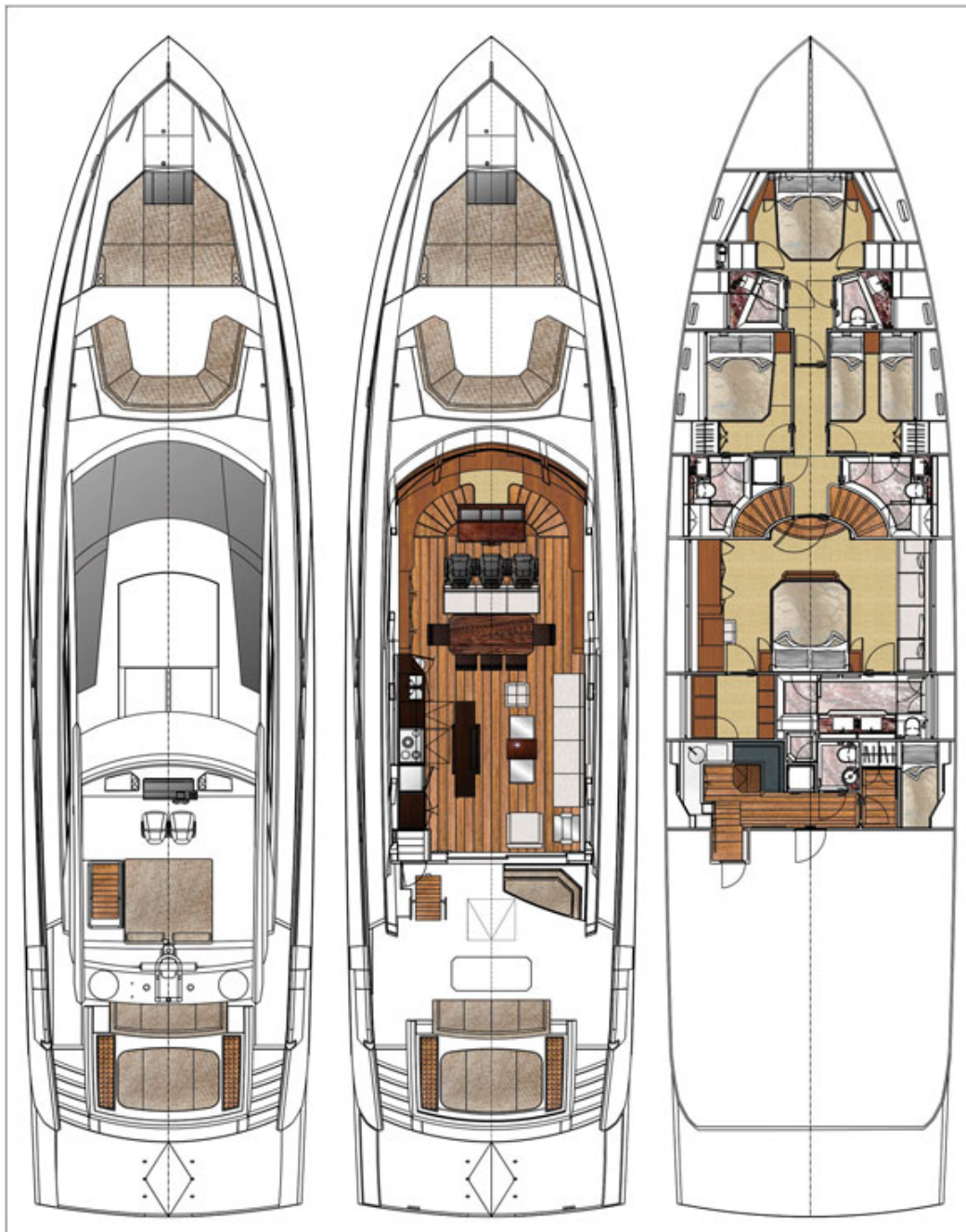
Standard Power: 2/1,925-hp Caterpillar C32 ACERT diesel inboards

Optional Power: 2/2,600-hp MTU 16V 2000 diesel inboards

Fuel Capacity: 1,800 gal.

Water Capacity: 330 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: 900-gpd Sea Recovery watermaker (\$11,520)
custom Platzer-designed props (\$23,000)
2/24-volt DC Maxwell aft warping winches (\$2,950)
3/Recaro helm seats (\$12,700)
JMS joystick system w/ stern thruster (\$45,000) and iAnchor (\$9,000)
Jastram electro-hydraulic steering (\$33,500).

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BOATS

BOAT TESTS

Alpha 87 Sportbridge

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

Air temperature: 72°F; humidity: 55%; seas 4'

LOAD DURING BOAT TEST

1,350 gal. fuel, 330 gal. water, 3 persons, 1,000 pounds gear.

TEST BOAT SPECIFICATIONS

Transmission/Ratio: ZF 3050V w/ 2.20:1 gear ratio

Props: 39 x 43 6-blade Platzer Nibral

Price as Tested: \$5,971,210

The Numbers

Cheoy Lee Alpha 87 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
650	7.5	6.0	2,025	60
1000	11.0	24.0	743	62
1250	13.3	40.0	539	63
1500	17.5	64.0	443	64
1750	22.0	100.0	356	65
2000	26.0	150.0	281	67
2250	30.2	180.0	272	69
2350	30.9	196.0	255	71

Speeds are two-way averages measured with Furuno GPS. GPH taken from Caterpillar engine display. Range is based on 90 percent of advertised fuel capacity. Sound levels measured at lower helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Bayliss 84 Orion

By [Scott Shane](#)



Boat Tests

SPECIFICATIONS

Builder: Bayliss	LOA: 84'0"
Model: Bayliss 84 Orion	Beam: 21'0"
Model Year: 2014	Draft: 5'8"
Boat Type: Sportfisherman	Displacement: 131,000 lb. (dry)
Generator 2/38-kW Northern Lights	Standard Power: 2/2600-hp MTU M94s
	Optional Power: Upon request
	Fuel Capacity: 3,400 gal.
	Water Capacity: 500 gal.



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BOATS

BOAT TESTS

Bayliss 84 Orion

By [Scott Shane](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity: 60%; seas: 2'

LOAD DURING BOAT TEST

1,600 gal. fuel, 225 gal. water, 5 persons, full gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/2600-hp MTU M94s

Transmission/Ratio: ZF Marine, 2.25:1 ratio

Props: 5-blade Veems

Price as Tested: Upon request

The Numbers

Bayliss 84 Orion - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	9.2	6.0	4,600	78
900	12.8	22.0	1,745	83
1200	15.1	52.0	871	88
1500	22.0	102.0	647	91
1800	29.5	132.0	670	94
2100	36.0	194.0	557	97
2400	40.0	260.0	461	97
2425	41.2	268.0	461	97

Speeds are two-way averages measured w/ Simrad GPS display. GPH taken via MTU engine display. Range is based on 90% of advertised fuel capacity.

Sound levels measured at the flying-bridge helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

NOTEWORTHY OPTIONS: Rupp hydraulic outriggers

Simrad and Furuno Electronics package

Palm Beach tuna tower with costa enclosure

IceSea ice maker

FCI watermaker

centerline cockpit fishbox

Release rocket launcher

helm chair/saloon table

(prices upon request).

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BOATS

BOAT TESTS

Ocean Alexander 90

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Ocean Alexander

LOA: 91'3"

Model: Ocean Alexander 90

Beam: 22'5"

Model Year: 2014

Draft: 6'5" (max.)

Boat Type: Cruiser

Displacement: 209,000 lb.

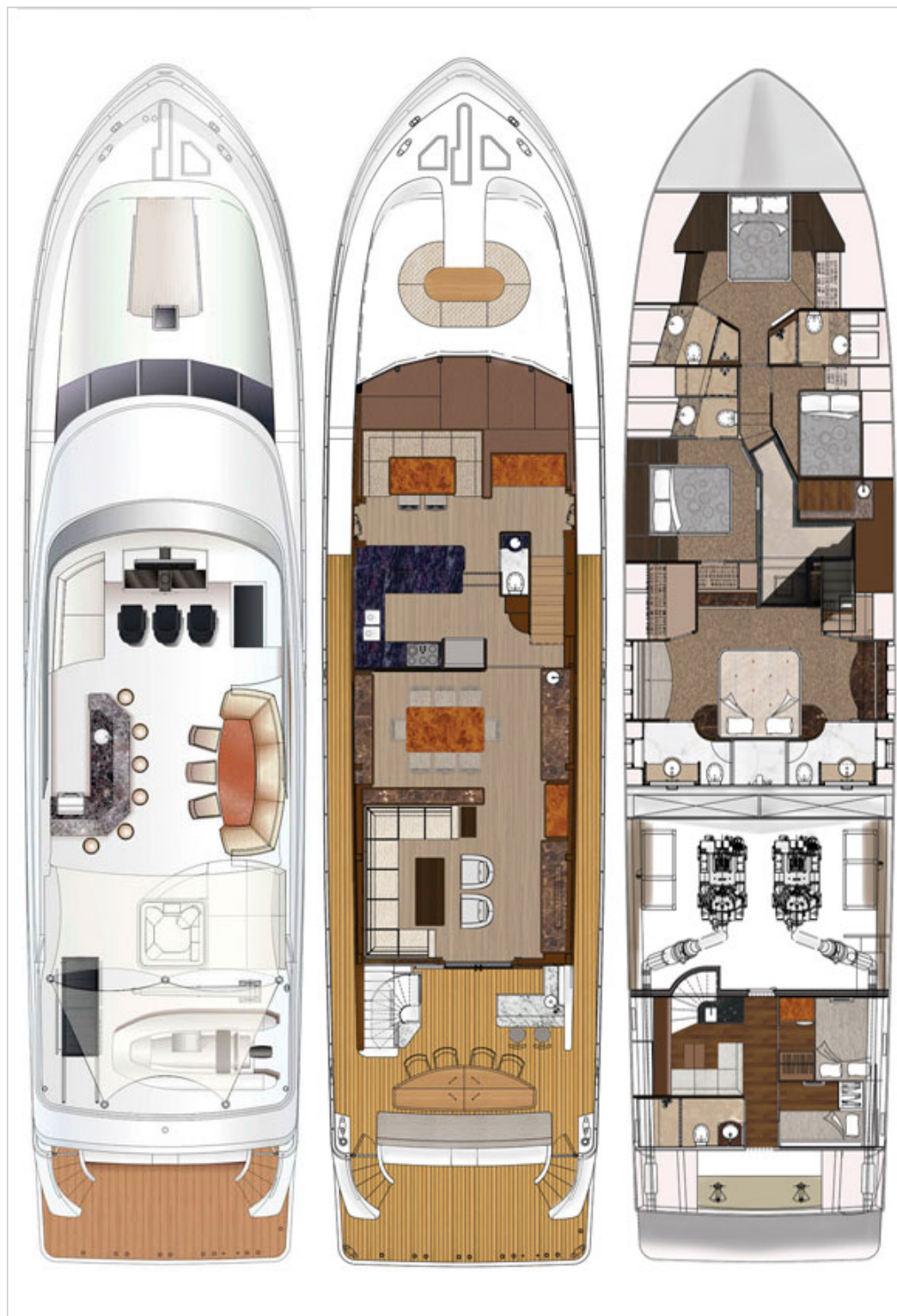
Standard Power: 2/1,622-hp Caterpillar C32 ACERT diesel inboards

Optional Power: none

Fuel Capacity: 3,000 gal.

Water Capacity: 650 gal.

Layout Diagram



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BOATS

BOAT TESTS

Ocean Alexander 90

By Capt. Richard Thiel



CONDITIONS DURING BOAT TEST

Air temperature: 70°F; humidity: 55%; seas 3'

LOAD DURING BOAT TEST

1,600 gal. fuel, 250 gal. water, 3 persons, 500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,920-hp MTU 12V2000 diesels

Transmission/Ratio: ZF 3050A with 3.0:1 gear ratio

Props: 48 x 46 4-blade Hung Shen NiBrAl

Price as Tested: Upon request

The Numbers

Ocean Alexander 90 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	9.2	15.2	1,634	65
1250	11.7	22.8	1,385	66
1500	12.9	54.2	643	67
1750	15.0	83.2	487	69
2000	17.3	125.0	374	72
2250	20.7	163.0	343	73
2450	23.7	192.0	333	74

Speeds are two-way averages measured with Furuno GPS. GPH taken from MTU engine display.

Sound levels measured at lower helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Regal 53 Sport Coupe

By [Carol and Robert Brathune](#)



Boat Tests

SPECIFICATIONS

Builder: Regal 53

LOA: 53'0"

Model: Regal 53 Sport Coupe

Beam: 15'4"

Model Year: 2014

Draft: 3'10"

Boat Type: Cruiser

Displacement: 36,000 lb. (dry)

Generator 11.5-kW Westerbeke

Standard Power: 2/550-hp Cummins QSB6.7 diesel inboards w/Zeus pods

Optional Power: none



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BOATS

BOAT TESTS

Regal 53 Sport Coupe

By Carol and Robert Brathune



CONDITIONS DURING BOAT TEST

Air temperature: 77°F; humidity 97%; wind: 10-12 knots; seas: 2-4'

LOAD DURING BOAT TEST

150 gal. fuel, 30 gal. water, 5 persons, 1,400 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/550-hp Cummins QSB6.7 diesel inboards w/Zeus pods

Transmission/Ratio: Cummins Zeus 3800/ 1.39:1 gear ratio

Props: T-11

The Numbers

Regal 53 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	4.3	0.8	2,348	62
1000	7.0	3.4	839	62
1500	9.1	9.1	406	66
2000	11.0	22.4	200	69
2500	17.0	33.3	207	69
3000	26.3	47.2	226	71
3360	30.8	56.4	221	71



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BOATS

BOAT TESTS

Princess S72

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Princess

LOA: 74'0"

Model: Princess S72

Beam: 17'8"

Model Year: 2014

Draft: 4'10"

Boat Type: Cruiser

Displacement: 94,798 lb.

Generator 2/23-kW Cummins Onan

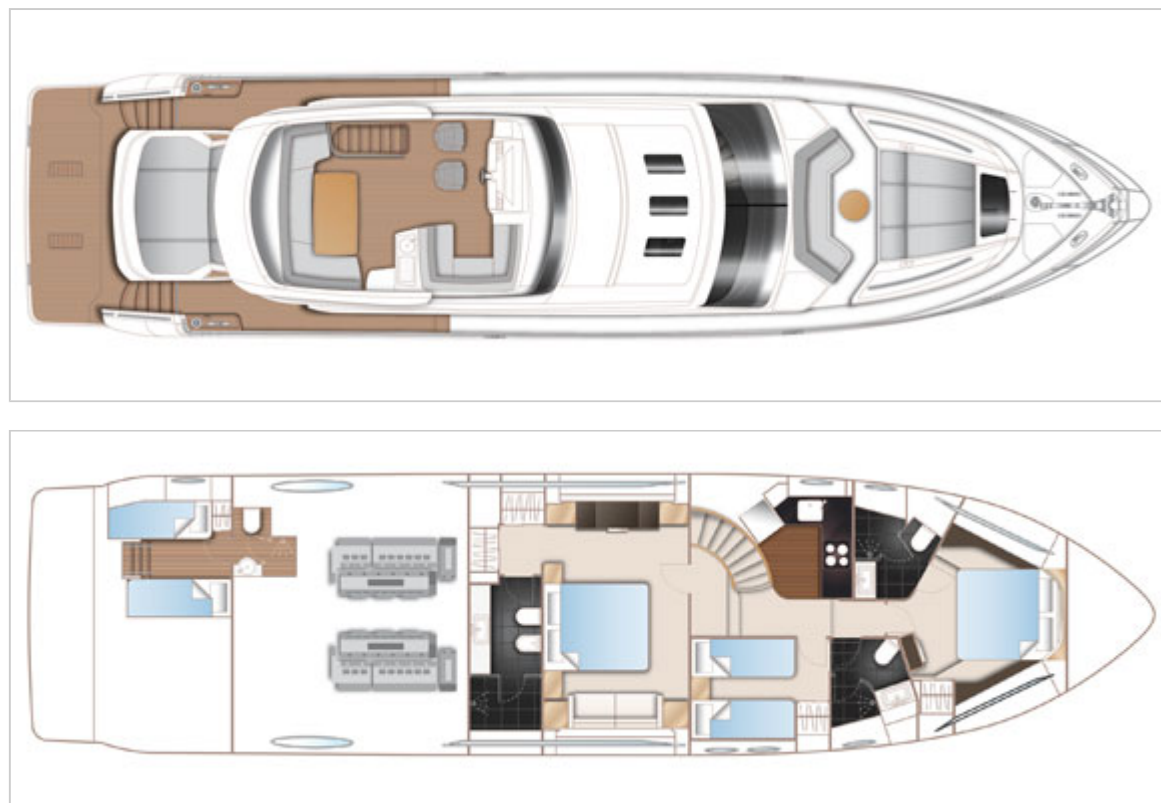
Standard Power: 2/1,723-hp Caterpillar C32 ACERT diesel inboards

Optional Power: 2/1,622-hp Caterpillar C32 ACERTs; 2/1,800-hp MAN V12-1800 diesel inboards

Fuel Capacity: 1,268 gal.

Water Capacity: 199 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Seakeeper M26000 gyro stabilizer
full Furuno electronics package w/TZtouch system
American walnut upgrade
engine upgrade. Prices available upon request.

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BOATS

BOAT TESTS

Princess S72

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity 78%; seas: 3-4'; wind: 12-14 knots

LOAD DURING BOAT TEST

1,260 gal. fuel, 140 gal. water, 6 persons, 1,500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,723-hp Caterpillar C32 ACERT diesel inboards

Transmission/Ratio: ZF2060 A; 2.47:1 ratio

Props: 37 x 57 5-blade Veem NiBrAl

Price as Tested: Upon request

The Numbers

Princess S72 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
650	7.5	6.0	1,427	63
1000	11.3	24.0	537	66
1250	13.5	48.0	321	67
1500	18.4	78.0	269	69
1750	23.8	102.0	266	71
2000	29.8	136.0	250	75
2250	35.2	174.0	231	77
2350	37.1	182.0	233	79

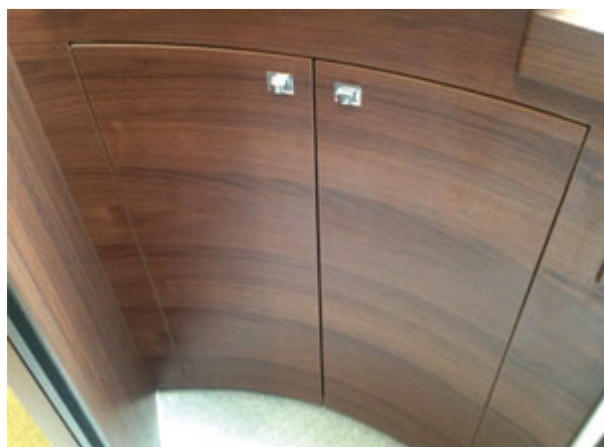
Speeds are two-way averages measured w/ Furuno display. GPH estimates taken via Caterpillar display. Range based on 90% of advertised fuel capacity. Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Seakeeper M26000 gyro stabilizer
full Furuno electronics package w/TZtouch system
American walnut upgrade
engine upgrade. Prices available upon request.

On Location

Better Boat: The Wiles Of The English Carpenter



The American walnut interior of our Princess S72 was joined and finished with remarkable woodworking expertise. And in no other spot onboard was this so noticeable as in the curved wall under the stairwell that communicates between the main and lower decks. In order to accommodate the sweeping concavity of this wall, the twin doors that are built into it (with a Bosch dryer behind) must be concave as well. Moreover, in order to preserve the simple, unobtrusive nature of both the wall and the doors within it, the hinges involved must be mounted so that their knuckles are invisible and, to make things even more complicated, so that they allow the doors to swing outward, not inward. Take a look at the image shown here. Not only were the artisans at Princess able to create two such doors with invisible, outward-swinging hinges, they got them to

work smoothly and line up perfectly, with pencil-thin gaps of equal width all the way around! When I told my brother, who's something of a woodworking artiste, about these doors he said, "Man—concave, outward-swinging doors with invisible hinges? I'd like to see that! Got any pictures?"

[Back](#)

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BOATS

BOAT TESTS

Bertram 64

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Bertram

LOA: 67'6"

Model: Bertram 64

Beam: 18'2"

Model Year: 2014

Draft: 5'5"

Boat Type: Sportfisherman

Displacement: 94,711 lb.

Generator 2/23-kW Cummins Onan

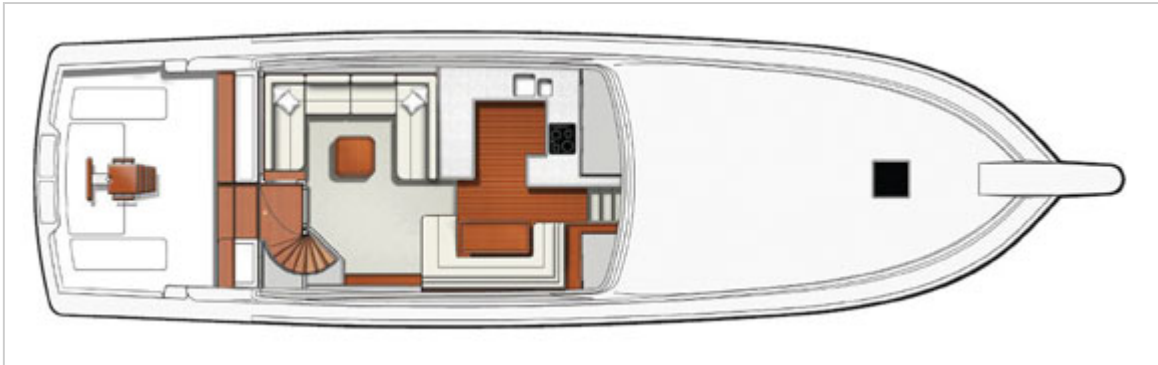
Standard Power: 2/1,927-hp Caterpillar C32 ACERT diesel inboards

Optional Power: 2/1,622-hp MTU 10V-2000-M94 diesel inboards

Fuel Capacity: 1,850 gal.

Water Capacity: 360 gal.

Layout Diagram



An ER: Easily Understood



There was one immediately obvious aspect of the 64's engine room (and the equipment room directly abaft it) that got my full and enthusiastic attention once I'd come down the steps from the cockpit. Everything was arranged in an exceptionally simple, straightforward, and immediately understandable manner. Instead of a confusing array of fuel tanks and a complicated fuel manifold, for instance, there was one, single athwartship FRP fuel tank (located on the center of buoyancy, thereby nixing trim effects due to ullage changes) with Apollo ball-valves on the supply lines for the mains, the Cummins Onan gensets (one standard, the other optional), the Reverso fuel-polisher, and the metered oil-transfer pump. In addition, fuel monitoring was belt and suspenders, with a giant, easy-to-read sight gauge on the forward firewall as well as an electronic sensor for the Octoplex onboard management system.

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BOATS

BOAT TESTS

Bertram 64

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity: 85%; seas: 3-5'; wind: 12-18 knots

LOAD DURING BOAT TEST

920 gal. fuel, 180 gal. water, 3 persons, 100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,927-hp Caterpillar C32 ACERT diesel inboards

Transmission/Ratio: ZF3050 A; 2.03:1 ratio

Props: 37 x 49½ 5-blade Nibral Rolla

The Numbers

Bertram 64 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	7.2	14.0	856	75
1000	11.0	52.0	352	83
1250	13.0	59.0	367	87
1500	19.0	74.0	428	92
1750	25.5	89.6	474	93
2000	30.5	136.0	373	95
2250	34.6	167.0	345	95
2350	35.8	180.0	331	95

Speeds are two-way averages measured w/ Furuno GPS and display. GPH estimates taken via Caterpillar display. Range based on 90% of advertised fuel capacity.

Decibels measured at flybridge helm on A scale. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Maxwell docking capstans astern
Latham hydraulic swim platform
teak steps bridge and swim-platform steps (option pricing upon request).

On Location

Better Boat: The Virtues of Heft



Our Bertram 64 test boat, the fourth 64 that Bertram's launched, was hand-laid in Bertram's old facility in Miami and trucked to the new facility in Merritt Island, Florida where her various components were assembled and finished. Typically, hand-laid fiberglass is heavier than glass produced via resin-infusion, a technique Bertram will employ on subsequent versions of the 64. Geney Menendez, Bertram's service manager, says our hand-laid 64 tipped the scales at 102,000 pounds when weighed, a hefty figure, at least by comparison with numerous other 60-plus-footers, some being battlewagons. Of course, extra weight often boosts seakeeping and comfort but reduces speed and the folks at Bertram, although happy with our our test boat's 36.8-knot top hop, are shooting for 38 knots once they cut displacement (by approximately 10,000 pounds, according to Bertram's designer Robert Ullberg). "But even then," says Bertram's vice president of sales Don Jones, "I think you'll find that our boat weighs just a little more than anybody else's. And when you combine that extra heft—that extra weight—with our extra-sharp, wave-splitting forefoot, that's where you get the softness and the dryness of the Bertram ride."

This article originally appeared in the June 2014 issue of *Power & Motoryacht* magazine.

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BOATS

BOAT TESTS

Defiance 46

By [George Sass Jr.](#)



Boat Tests

SPECIFICATIONS

Builder: Shannon

LOA: 45'11"

Model: Defiance 46

Beam: 14'9"

Model Year: 2014

Draft: 3'0"

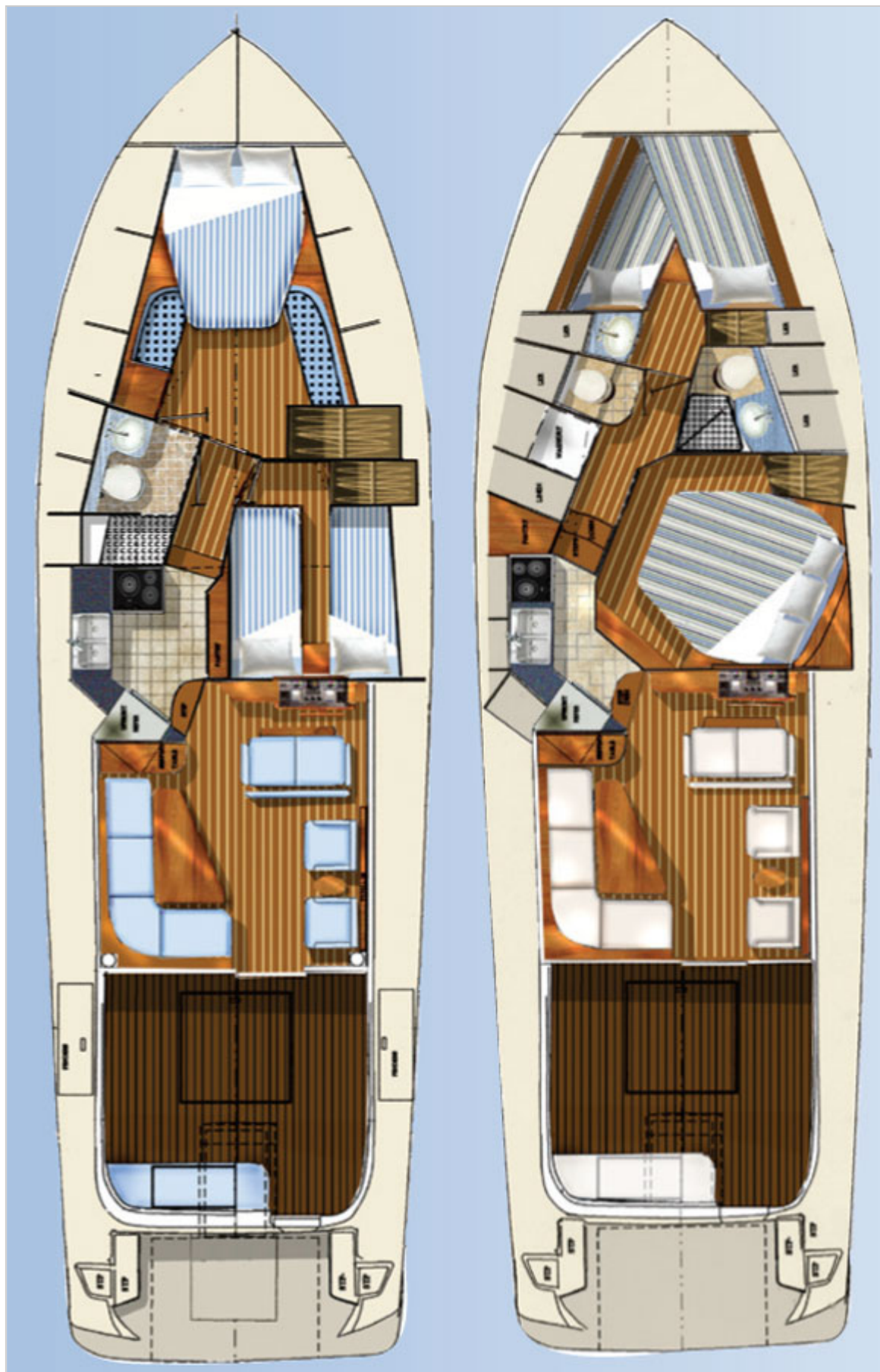
Boat Type:

Displacement: 39,000 lb.

Optional Power: 2/480-hp Cummins QSB 5.9L
diesels

Fuel Capacity: 500 gal.

Layout Diagram



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BOATS

BOAT TESTS

Defiance 46

By [George Sass Jr.](#)



CONDITIONS DURING BOAT TEST

Light chop;

LOAD DURING BOAT TEST

full fuel and water, owner's gear and tender.

TEST BOAT SPECIFICATIONS

Test Engine: 1/600-hp Cummins QSC 8.3L diesel, 1/220-hp Cummins 6BT 5.9 diesel

Props: Michigan Prop 26 x 22 4 blade RH (600 hp); 2/Flexofold, 3-blade folding, 18 x 15 (220 hp)

The Numbers

Test Option 1: Primary 1/600-horsepower Cummins QSC8.3 diesel

RPM	KNOTS	GPH	NM/G	RANGE
800	8.3	1.2	6.9	3,209
1200	12.2	2.8	4.3	2,000
1600	15.9	5.7	2.8	1,302
2000	17.1	11.1	1.5	698
2400	20.7	16.4	1.3	605
2800	22.3	20.3	1.1	512

Test Option 2: Auxiliary 1/220-horsepower Cummins hydraulically powering twin ZF SD12 sail drives with Flexofold 18 x 15 folding props.

RPM	KNOTS	GPH	NM/G	RANGE
1200	5.9	0.6	9.8	4,557
1800	6.6	1.7	3.9	1,814
2200	7.2	2.8	2.6	1,209
2600	8.9	4.3	2.1	977
3000	9.8	6.4	1.5	698

Speeds are two-way averages measured w/ GPS. GPH taken via Cummins display. Range based on 93% of advertised fuel capacity.

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BOATS

BOAT TESTS

Regulator 25

By [Jason Y. Wood](#)



Boat Tests

SPECIFICATIONS

Builder: Regulator

LOA: 30'0"

Model: Regulator 25

Beam: 8'10"

Model Year: 2014

Draft: 2'9"

Boat Type: Center Console

Displacement: 6,200 lb. (dry)

Fuel Capacity: 160 gal.

Water Capacity: 21 gal.

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BOATS

BOAT TESTS

Regulator 25

By [Jason Y. Wood](#)



CONDITIONS DURING BOAT TEST

Air temperature: 73°F; humidity: 74%; seas: 1-2'; wind: 5-7 knots

LOAD DURING BOAT TEST

80 gal. fuel, no water, 2 persons, 40 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/200-hp four-stroke Yamaha F200 outboards

Transmission/Ratio: Yamaha 1.86:1 gear ratio

Props: 14 1/4 x 18 Reliance Series SDS, polished stainless steel

The Numbers

Regulator 25 - Final Boat Test Numbers:

RPM	Knots	GPH	Range	dB(A)
1000	5.0	1.4	514	65
2000	7.9	4.4	259	76
3000	12.7	10.9	168	84
4000	27.7	15.7	254	90
5000	36.7	26.4	200	93
6000	44.8	39.8	162	98

Speeds are two-way averages measured with Garmin handheld GPS. GPH taken via Yamaha engine display. Range is based on 90 percent of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

On Location

Better Boat: Different Strokes



The Regulator 25 came rigged with a pair of 200-horsepower Yamaha four-strokes and you'd be hard-pressed to track down a new-ish specimen of this hull that doesn't toe the Yamaha line. This outboard is an in-line four-cylinder four-stroke with 2.8-liter displacement, and it tips the scales at 489 pounds. Compare that with the 150-horsepower four-stroke weighing 480 pounds, or the 225-horsepower V-6 that weighs in at 562 pounds and displaces 3.4 liters. These outboards fit in the slot nicely, and, mounted on the Regulator 25's Armstrong bracket, let that hull jump out of the hole and get to speed in a hurry.

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BOATS

BOAT TESTS

Lyman-Morse 42

By [Peter A. Janssen](#)



Boat Tests

SPECIFICATIONS

Builder: Lyman Morse

LOA: 42'0"

Model: Lyman-Morse 42

Beam: 13'0"

Model Year: 2014

Draft: 2'5"

Boat Type: Down East

Displacement: 26,500 lb.

GENERATOR 7.6-kW Westerbeke

Standard Power: 2/567-hp C9 ACERT Caterpillar diesels with Hamilton HJ322 waterjets

Optional Power: 2/550-hp Cummins QSC8.3 diesels with Zeus pod drives; 2/435-hp Volvo Penta IPS600s, or various conventional inboard powerplants.

Fuel Capacity: 520 gal.

Water Capacity: 115 gal.



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BOATS

BOAT TESTS

Lyman-Morse 42

By [Peter A. Janssen](#)



CONDITIONS DURING BOAT TEST

Air temperature: 82°F; seas: flat; no wind.

LOAD DURING BOAT TEST

260 gal. fuel, 115 gal. water, 3 persons, 500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/567-hp C9 ACERT Caterpillar diesels with Hamilton HJ322 waterjets

The Numbers

Final Boat Test Numbers Lyman-Morse 42

RPM	KNOTS	GPH	RANGE	dB(A)
1000	7	4	819	69
1250	8.5	8	497	69
1500	9.6	14	321	72
1750	10.8	20	253	77
2000	13.4	32	196	75
2250	21.5	46	219	78
2475	33.8	60	264	84

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BOATS

BOAT TESTS

Azimut Magellano 53

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Azimut

LOA: 55'5"

Model: Azimut Magellano 53

Beam: 15'3"

Model Year: 2014

Draft: 4'9"

Boat Type: Cruiser

Displacement: 63,051 lb. (full load)

GENERATOR 15.5-kW Kohler

Standard Power: 2/500-hp Cummins QSC 8.3s

AIR CONDITIONING 60,000-BTU Condaria

Optional Power: none

Fuel Capacity: 845 gal.

Water Capacity: 185 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Raymarine electronics: E165 plotters, 4kW HD open array antenna, i70 display, P70r autopilot (\$27,250)

hull paint (\$39,200)

cockpit table (\$5,050)

Seakeeper gyro stabilizer (\$125,550)

crew cabin (\$39,500).

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BOATS

BOAT TESTS

Azimut Magellano 53

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature: 68°F; humidity: 49%; seas: 1-2'

LOAD DURING BOAT TEST

395 gal. fuel, 90 gal. water, 6 persons, 250 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/500-hp Cummins QSC 8.3s

Transmission/Ratio: ZF 286 IV, 2.539:1 gear ratio

Props: 2 x 27 4-blade NiBrAl

Price as Tested: \$1,650,000 (approx.)

The Numbers

Azimut Magellano 53 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
900	6.6	2.38	2,108	57
1200	8.1	5.78	1,065	62
1500	9.6	13.07	559	65
1800	12.2	22.27	417	67
2100	15.6	31.65	375	72
2250	20.3	42.01	368	72
2350	23.9	50.8	358	74

Speeds are two-way averages measured w/ Raymarine GPS. GPH taken via Cummins display. Range based on 90% of advertised fuel capacity.

Sound levels measured at helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

NOTEWORTHY OPTIONS: Raymarine electronics: E165 plotters, 4kW HD open array antenna, i70 display, P70r autopilot (\$27,250)
hull paint (\$39,200)
cockpit table (\$5,050)
Seakeeper gyro stabilizer (\$125,550)
crew cabin (\$39,500).

On Location

Better Boat:

Room For Everything

The ultimate luxury aboard any boat is space. Space to sit in comfort, space to stretch out in bed, space to move around without bumping into another crewmember. It doesn't matter how great a boat is, she can always be improved with the addition of a bit more space.

And then there is stowage. Useful, accessible stowage volume isn't even a luxury—without enough of that, you haven't really got a boat at all, you've got a sort of floating dumpster. With Azimut's long-range cruising aspirations for the Magellano 53, you'd expect stowage to be pretty near the top of the designer's priorities, and so it has proved. Not only does the 53 have a purpose-built locker off the lower lobby for a washing machine, and a useful linen cupboard just outside the door of the master cabin, there is also an entire cabin-sized "utility room" on the starboard side, fitted out with priceless lockers and shelving. To encounter such a cavern of extra volume in a 50-footer isn't just a surprise, it's a game-changer.

Oh, and the only thing that that top shelf needs to make it into a useful seventh berth is a mattress.

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BOATS

BOAT TESTS

Back Cove 37

By [Eric Sorensen](#)



Boat Tests

SPECIFICATIONS

Builder: Back Cove

LOA: 42'6"

Model: Back Cove 37

Beam: 13'3"

Model Year: 2014

Draft: 3'7"

Boat Type: Down East

Displacement: 22,100 lb.

Generator 6-kW Kohler

Standard Power: 1/530-hp Yanmar 6CX diesel

Optional Power: 1/480-hp Cummins QSB6.7 diesel

Fuel Capacity: 300 gal.



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BOATS

BOAT TESTS

Back Cove 37

By [Eric Sorensen](#)



CONDITIONS DURING BOAT TEST

Air temperature: 74°F; humidity: 50%; seas: 2' swell, 1' wind chop.

LOAD DURING BOAT TEST

225 gal. fuel, 120 gal. water, 4 persons, 400 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 1/600-hp Cummins QSC8.3 diesel

Transmission/Ratio: ZF 286A, 2.3:1 gear ratio

Props: 28 x 33 ZF FPS 4-blade NiBrAl

Price as Tested: \$475,000

The Numbers

Back Cove 37 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	6.2	0.5	3,527	67
1000	8.0	1.6	1,422	68
1400	9.3	4.4	601	69
1800	13.0	9.4	393	78
2200	18.0	13.8	371	81
2600	23.5	20.1	332	83
3080	29.6	31.7	265	90

Speeds are two-way averages measured with Garmin GPS. GPH estimates taken from Cummins digital display. Range is based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Lenco Autoglide Trim Tab leveling system w/ GPS kit (\$2,150)
Espar heater for cabin and helm deck (\$9,950)
dark blue hull (\$4,540).

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BOATS

BOAT TESTS

Absolute 64 Fly

By [Mike Ellis](#)



Boat Tests

SPECIFICATIONS

Builder: Absolute

LOA: 64'4"

Model: Absolute 64 Fly

Beam: 16'11"

Model Year: 2014

Draft: 5'4"

Boat Type: Cruiser

Displacement: 74,700 lb. (loaded)

GENERATOR 20-kW Kohler

Optional Power: 2/725-hp Volvo Penta IPS950s

Fuel Capacity: 793 gal.

Water Capacity: 172 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Tropical air conditioning (\$6,156)
bow thruster (\$11,628)
Seakeeper M8000 gyroscopic stabilizer (\$175,104)
upgraded 32-kW generator (\$13,953)
hydraulic swim platform (\$36,252).

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BOATS

BOAT TESTS

Absolute 64 Fly

By [Mike Ellis](#)



CONDITIONS DURING BOAT TEST

Air temperature: 69.8°F; seas: flat

LOAD DURING BOAT TEST

317 gal. fuel, 85.9 gal. water, 6 persons.

TEST BOAT SPECIFICATIONS

Test Engine: 2/900-hp Volvo Penta IPS1200s

Transmission/Ratio: Volvo Penta IPS w/ 1.88:1 gear ratio

Props: Volvo Penta IPS Q4 propset

The Numbers

Absolute 64 Fly - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE
1200	11.3	19.6	411
1400	12.7	30.0	302
1600	17.0	39.6	306
1800	20.3	48.9	296
2000	25.3	59.0	306
2200	30.0	71.3	300
2370	33.8	86.8	278

Speeds are two-way averages measured w/ Garmin GPS display. GPH taken via Volvo Penta display.

Range is based on 90% of advertised fuel capacity.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Tropical air conditioning (\$6,156)

bow thruster (\$11,628)

Seakeeper M8000 gyroscopic stabilizer (\$175,104)



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BOATS

BOAT TESTS

Trinity 120

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Trinity Yachts

LOA: 120'7"

Model: Trinity 120

Beam: 26'2"

Model Year: 2014

Draft: 5'6"

Boat Type:

Displacement: 418,880 lb.

AIR DRAFT (HALF LOAD) approx. 40'

Standard Power: 2/2,600-hp MTU 16V2000 M94 diesel inboards

BOW THRUSTER 100-hp Arcturus TRAC hydraulic

Fuel Capacity: 9,789 gal.

STABILIZERS Arcturus TRAC w/ zero-speed capability

Water Capacity: 2,466 gal.

CONSTRUCTION aluminum

CLASSIFICATION ABS, MCA-compliant

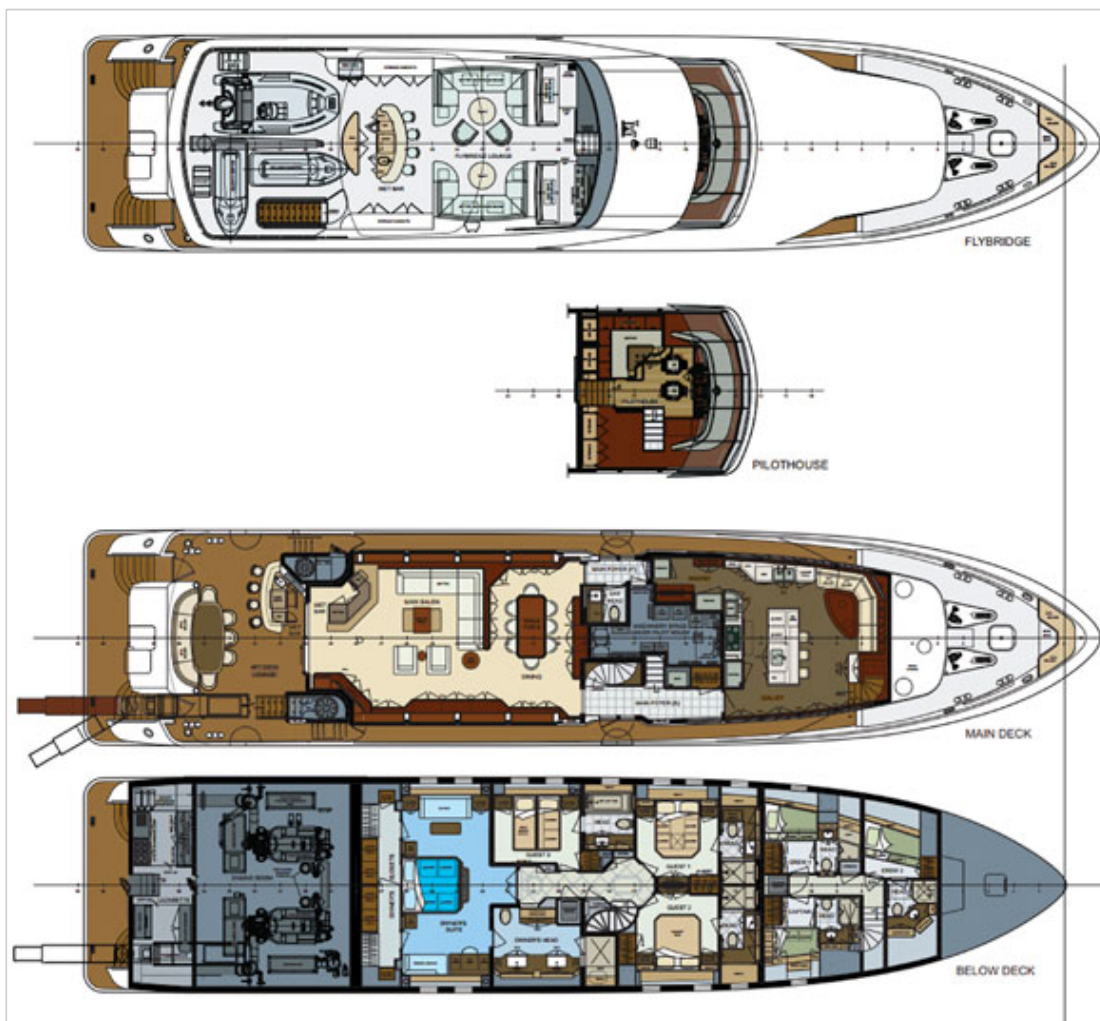
NAVAL ARCHITECTURE/ENGINEERING Trinity
Yachts

INTERIOR DESIGN YachtNext

GENERATORS 2/80-kW Kohler

CRUISING RANGE 3,670 nautical miles (with 10%
reserve at 10 knots)

Layout Diagram



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BOATS

BOAT TESTS

Trinity 120

By [Capt. Bill Pike](#)



TEST BOAT SPECIFICATIONS

Test Engine: 2/2,600-hp MTU 16V2000 M94 diesel inboards

Transmission/Ratio: ZF 3370/4:1, TK gear ratio

Props: 53 x 64.5 6-blade Veemstar LC Interceptor

On Location

Better Boat: Entourage



Finish Line seldom goes anywhere without an attendant entourage tagging dutifully along. For pure, hell-bent-for-leather fun (as well as spur-of-the-moment fishing trips) there's the 32-foot Fountain center console (shown above)—she's rigged for towing and reportedly swoops along quite nicely in the flat water of her mothership's wake, even at rousing speeds. And then for big-time sportfishing expeditions, there's a brand-new Viking 55 with her very own captain and crew. The 55 is a shadow-type vessel of sorts, with an interior that—as with her big sister's—owes its look to designer Joanne Lockhart and her firm Yacht Next (www.yachtnext.com) of Ft. Lauderdale. "So it would not clash in any way with the interior of the big boat," explains Lockhart.

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BOATS

BOAT TESTS

Everglades 255 CC

By [Kevin Koenig](#)





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BOATS

BOAT TESTS

Everglades 255 CC

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 88°F; load: 73 gal. fuel; 20 gal. water; 2 persons; 20 lb. gear

TEST BOAT SPECIFICATIONS

Test Engine: 2/200-hp Yamaha F200 four-stroke outboards

Transmission/Ratio: Yamaha, 2:1 gear ratio

Props: 14.25 x 17 Yamaha stainless steel four-blades

Price as Tested: \$140,000

The Numbers

Everglades 255 CC - Final Boat Test Numbers:

RPM*	Knots	GPH	Range
1000	2.6	0.8	467
1000	4.5	1.7	378
1500	6.2	2.5	356
2000	7.8	4.7	236
2500	8.6	6.8	182
3000	12.3	10.2	174
3500	20.8	12.1	249
4000	25.5	13.7	269
4500	30.3	17.6	249
5000	32.4	25	187
5500	37.9	30	182
6000	41.2	40	149

*Numbers provided by Everglades Boats

Range based on 90% of advertised fuel capacity.

Our test of the Everglades 255 CC by the Numbers:

6 – number of high-density foam components sandwiched into the hull

7'9" – bridge clearance with hardtop

8 – meters per second, or 15.5 knots, the temporary speed increase the wind must undergo to officially be considered a squall

12 – persons, max capacity of 255 CC

37 – degrees of deadrise averaged along the length of the hull bottom

85 – cockpit area, in square feet

60 – miles from Ft. Lauderdale to Bimini

2 – hours it would take you to leave Florida and be sipping a Kalik at End of the World Bar in Alice Town if you owned this boat.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Hydraulic power steering (\$4,280)

Taco Grand Slam outrigger package w/ 15' poles (\$4,405)

bow seating area coaming bolsters (\$1,231)

underwater lights (\$1,298).

On Location

Better Boat: High Standards

A lot of boatbuilders in this class pride themselves on being highly customizable. That's all well and good, but what it often means is that everything on the boat: every light, every seat, every electronic accoutrement, is an option. That's why it's refreshing to see a boat like the 255 come with such a brawny package of standard features. The freshwater system, raw-water washdown system, recirculating livewell, head compartment, fore and aft spreader lights, hardtop, onboard courtesy lights, and anchor windlass all come standard. And these days there's nothing standard about that.

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BOATS

BOAT TESTS

Pearl 75

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Pearl

LOA: 76'4"

Model: Pearl 75

Beam: 19'6"

Model Year: 2014

Draft: 5'9"

Boat Type: Cruiser

Displacement: 108,025 lb. (dry)

GENERATOR 20-kW Kohler

Optional Power: 2/1,150-hp Caterpillar C18s

Fuel Capacity: 1,506 gal

Water Capacity: 396 gal

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: 2/Seakeeper M8000 gyro stabilizers (\$215,660)
second 20-kW genset (\$59,614)

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BOATS

BOAT TESTS

Pearl 75

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature: 59°F; humidity: 86%; seas: 3'

LOAD DURING BOAT TEST

760 gal. fuel, 330 gal. water, 7 persons, 250 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,250-hp MTU 8V 2000 M94s

Transmission/Ratio: ZF 4000, 1.985:1 ratio

Props: ZF 4-blade 31.9 x 34.6 (forward); 30.4 x 39.0 (aft)

Price as Tested: \$4,489,664 approx., ex taxes (£2,737,600 @ \$1.64)

The Numbers

Pearl 75 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	9.2	9.2	1,355	57
1300	11.7	23.2	827	61
1600	13.9	53.9	352	64
1900	18.9	79.2	325	67
2100	22.1	94.0	312	68
2300	26.1	113.6	312	68
2450	28.6	131.0	298	70

Speeds are two-way averages measured w/Garmin GPS display. GPH taken via MTU display. Range is based on 90% of advertised fuel capacity.

Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation

OPTIONAL EQUIPMENT ON TEST BOAT

NOTEWORTHY OPTIONS: 2/Seakeeper M8000 gyro stabilizers (\$215,660)
second 20-kW genset (\$59,614)
colored hull (\$48,462)
Intellian 16 satellite TV system (\$27,798)
hydraulic flybridge bimini (\$21,238). Prices converted from British Pounds at 1.64 exchange rate.

On Location

Better Boat: A Rich Interior



The Pearl 75's practical, modern, and spacious rectilinear layout perfectly suits London-based Kelly Hoppen's interior design, with its subtle use of contrasting tones and textures adding intrigue to various restful shades of gray. Leather and fabric join forces on locker fronts and paneling, echoing the combinations of marble and hardwood used for key floor areas. Dark and light woods add visual depth while high-gloss, white-lacquered deckheads provide a reflective sense of spaciousness. The lacquered wood trim lends a sense of solid quality. Surprising details include areas of flooring picked out in stainless steel. Crocodile-embossed leather bed bases communicate in their faux-reptilian way with ostrich-effect steel locker handles, which in turn provide tactile opposition to the soft leather used for drawer handles. Thick woollen carpet provides a reassuring sense of luxury. This is a case where an interior design sets a boat apart.

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BOATS

BOAT TESTS

Sea Ray 510 Fly

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Sea Ray

LOA: 50'10"

Model: Sea Ray 510 Fly

Beam: 15'4"

Model Year: 2014

Draft: 5'5"

Boat Type: Cruiser

Displacement: 46,500 lb.

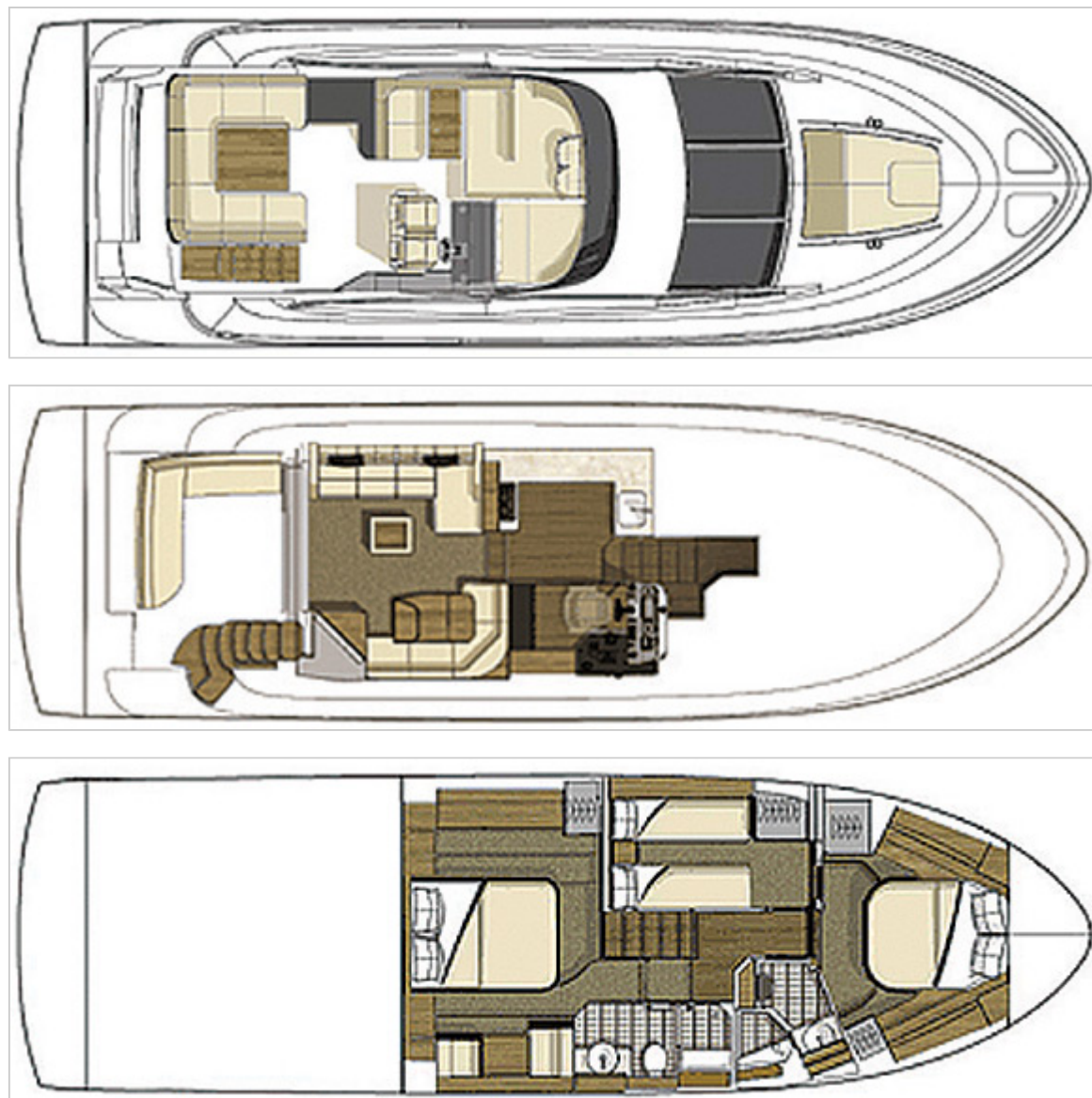
GENERATOR 1/11-kW Cummins Onan

Optional Power: 2/715-hp Cummins QSM11 diesel inboards; 2/600-hp Cummins Zeus-3800s

Fuel Capacity: 500 gal.

Water Capacity: 140 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Vetus bow and stern thrusters (\$22,500)
Cummins Inboard Joystick (\$12,083)
Cummins Zeus pod-drive package (\$99,167)
ProMariner inverter/charger (\$6,500)
Reverso oil-change system (\$2,792)
Splendide washer/dryer combo (\$4,042)
General Hydraulic Solutions hydraulic swim platform (\$46,667).

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BOATS

BOAT TESTS

Sea Ray 510 Fly

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 67°F; humidity 93%; seas: 1-2'; wind: 10-15 knots

LOAD DURING BOAT TEST

250 gal. fuel, 70 gal. water, 4 persons, 100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/601-hp Cummins QSC8.3 diesel inboards

Transmission/Ratio: ZF2861; 2.01:1 ratio

Props: 27 x 25 4-blade bronze Michigan Wheel

Price as Tested: \$1.7 million

The Numbers

Sea Ray 510 Fly - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	4.7	1.2	1,763	62
1000	7.2	3.2	1,013	59
1500	9.0	10.8	375	63
2000	11.2	28.6	176	71
2500	20.2	41.1	221	73
3000	26.6	61.5	195	75
3050	27.3	65.6	187	75

Speeds are two-way averages measured w/ Raymarine GPS display. GPH estimates taken via Cummins monitoring system.

Range based on 90% of advertised fuel capacity.

Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Vetus bow and stern thrusters (\$22,500)

Cummins Inboard Joystick (\$12,083)

Cummins Zeus pod-drive package (\$99,167)

ProMariner inverter/charger (\$6,500)

Reverso oil-change system (\$2,792)

Splendide washer/dryer combo (\$4,042)

General Hydraulic Solutions hydraulic swim platform (\$46,667).

On Location

Better Boat: Forget The Lazy Susan



There's an age-old problem with L-shaped cabinetry in a galley, or in a home for that matter. The juncture where the two legs of the 'L' meet is typically difficult to access, even if it's inhabited by a whirling Lazy Susan—a contraption that still usually wastes space, inevitably develops rotational issues, and sometimes allows items to drop off into the

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BOATS

BOAT TESTS

NISI 1700

By [Jason Y. Wood](#)



Boat Tests

SPECIFICATIONS

Builder: NISI

LOA: 59'8"

Model: NISI 1700

Beam: 16'4"

Model Year: 2014

Draft: 2'4"

Boat Type: Other

Displacement: 50,500 lb. (dry)

Generator 11.5-kW Cummins Onan

Optional Power: 2/715-hp Cummins Zeus; 2/700-hp Volvo Penta IPS900s; 2/900-hp Volvo Penta IPS1200s

Fuel Capacity: 832 gal.

Water Capacity: 200 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Metallic hull paint, Hydraulic swim platform, ABT TRAC fin stabilizers. Option pricing available upon request.

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BOATS

BOAT TESTS

NISI 1700

By Jason Y. Wood



CONDITIONS DURING BOAT TEST

Air temperature: 72°F; humidity: 66%; seas: 1-2'

LOAD DURING BOAT TEST

410 gal. fuel, 160 gal. water, 4 persons, 500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,136-hp CAT C18 ACERT diesels

Transmission/Ratio: Ultrajet

The Numbers

NISI 1700 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
800	5.7	1.6	2,668	80
900	7.2	3.8	1,419	81
1200	9.3	14.8	471	70
1500	11.0	28.8	286	74
1800	15.4	51.2	225	74
2100	25.4	77.8	248	82
2200	30.7	91.2	252	85
2300	35.0	102.6	255	87
2360	37.0	113.4	244	86

Speeds are two-way averages measured with Simrad GPS. GPH taken via Caterpillar engine display. Range is based on 90 percent of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Metallic hull paint, Hydraulic swim platform, ABT TRAC fin stabilizers. Option pricing available upon request.

On Location

Better Boat: The DNA of a Growing Family



The profile of the NISI 1700 *Never On Sunday* struck me, and so did her feel. She was reminiscent of previous NISI models, but also had her own look—like siblings do. Ward Setzer, the boat's designer, confessed this was very much part of the design concept. "The NISI program since we first started with them years ago has been all about seeing the ocean, feeling that you are boating," he says. "The idea behind the big hullside windows was the same as it was for the saloon: to create as much experience of seamless indoor-outdoor living and seeing the sea as possible. It's something that we'll continue to do with everything we've drawn for them." NISI and Setzer have so far produced three models. "So far they've built the 2400 [78 feet, above right], the 2600 [84 feet], the 1700 [59 feet] that you saw and [they're building] two of the 50-foot cats [above left]," Setzer says. "The 108-footer [top] is the one we're working on right now in much deeper development." But if you look at the lines of the renderings and pictures shown here, you'll see that all the profiles (even the cat's), while not identical, definitely feel related. The DNA of good design works in any size.

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BOATS

BOAT TESTS

Albemarle 360 EXF

By [George Sass Sr.](#)



Boat Tests

SPECIFICATIONS

Builder: Albemarle

LOA: 38'8"

Model: Albemarle 360 EXF

Beam: 14'5"

Model Year: 2014

Draft: 4'0"

Boat Type: Sportfisherman

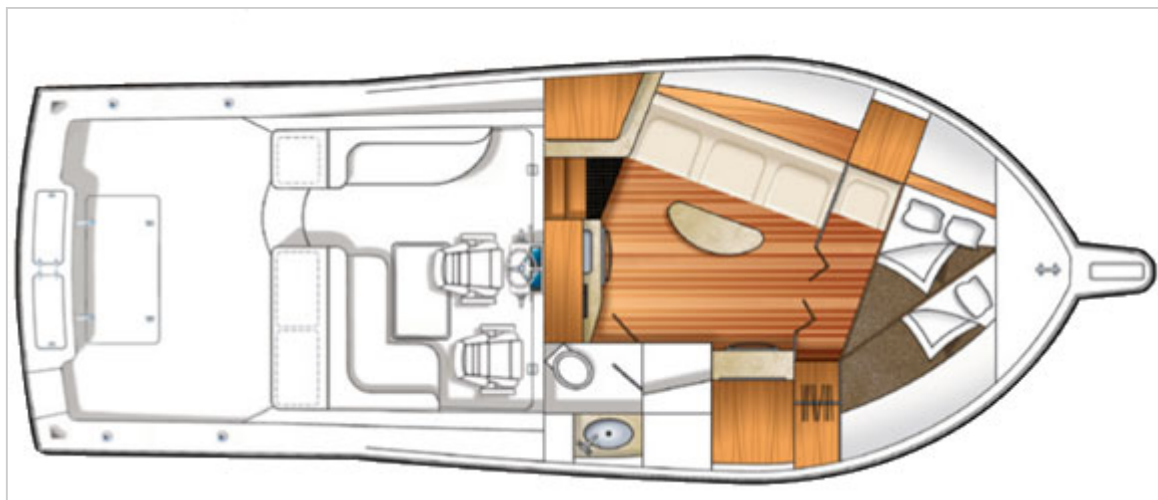
Displacement: 25,000 lb.

Optional Power: 2/660-hp CAT C12s; 2/600-hp Cummins QSC8.3s; 2/575-hp Caterpillar C9 ACERTs; 2/530-hp Yanmar

Fuel Capacity: 450 gal.

Water Capacity: 95 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Volvo Penta IPS (\$76,000)
hardtop enclosure (\$65,000)
Garmin Electronics and Satellite-TV system (\$45,000)
helm deck air conditioning (\$8,995)
anchor windlass (\$5,795)
additional forward berth (\$5,995)
premium entertainment package (\$6,995).

This article originally appeared in the February 2014 issue of *Power & Motoryacht* magazine.

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BOATS

BOAT TESTS

Albemarle 360 EXF

By [George Sass Sr.](#)



CONDITIONS DURING BOAT TEST

Air temperature: 73°F; humidity 90%; seas 3-5'; wind: 20-25 knots

LOAD DURING BOAT TEST

350 gal. fuel, 25 gal. water, 3 persons.

TEST BOAT SPECIFICATIONS

Test Engine: 2/435-hp Volvo Penta IPS600

Price as Tested: \$729,986

The Numbers

Albemarle 360 EXF - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600*	2.0	0.6	---	74
600	4.2	0.6	---	74
1000	6.2	2.2	1,141	80
1500	9.0	6.7	544	83
2000	11.0	15.0	297	89
2500	18.0	23.0	216	92
3000	26.0	32.0	329	94
3400	32.0	42.0	308	96

*Trolling valves engaged

Speeds are two-way averages measured by onboard GPS. GPH taken via Volvo Penta display. Range is based on 90% of fuel capacity. Sound levels measured at the helm with open aft curtains in windy conditions. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Astondoa Top Deck 63

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Astondoa

LOA: 62'08"

Model: Astondoa Top Deck 63

Beam: 16'8"

Model Year: 2014

Draft: 5'7"

Boat Type: Other

Displacement: 60,223 lb.

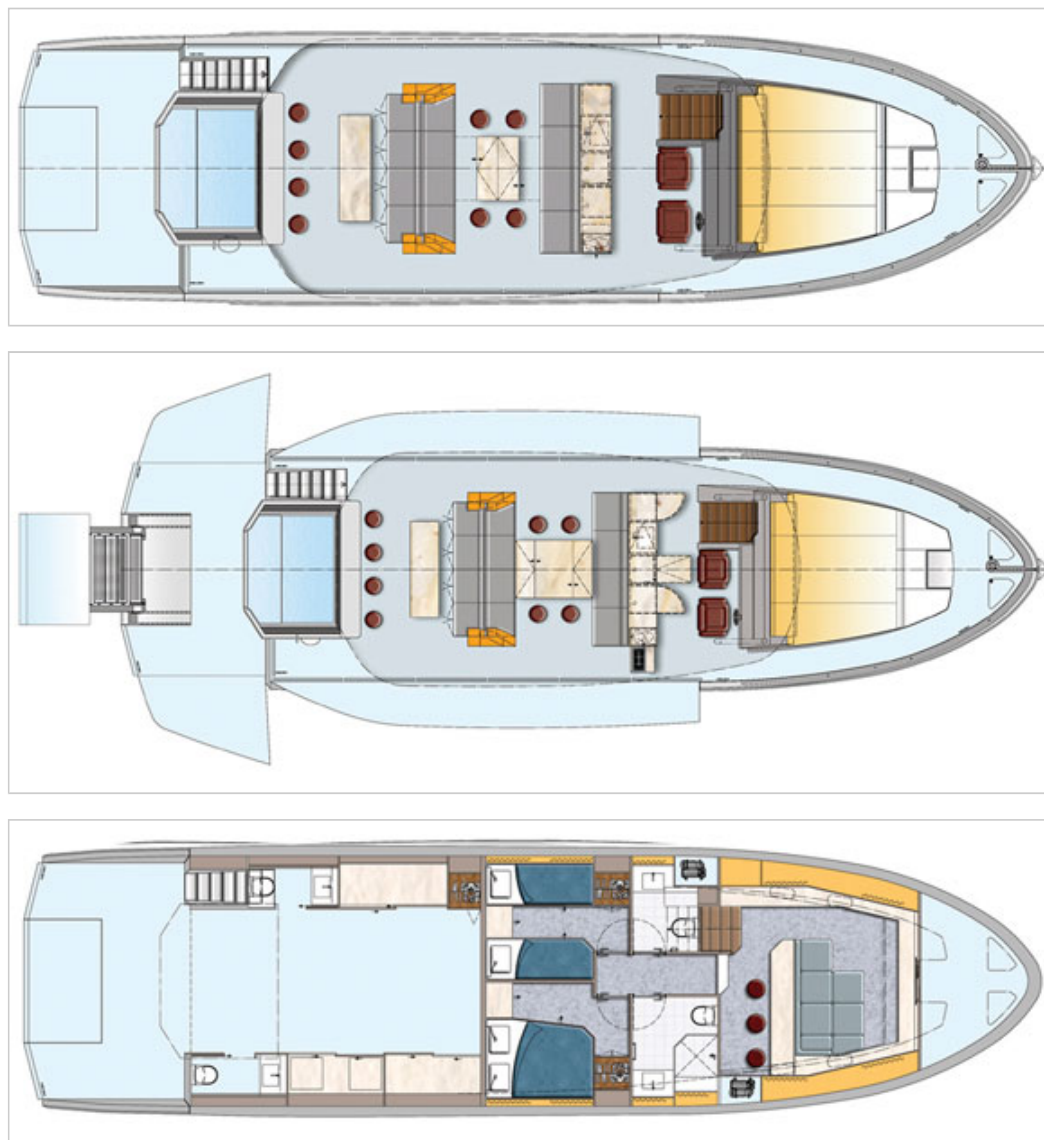
GENERATOR 21-kW Kohler

Optional Power: 2/800-hp Volvo Penta IPS1050s

Fuel Capacity: 650 gal.

Water Capacity: 175 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy options: Trac or American Bow Thruster stabilizers
Opacmare Transformer system crane/swim ladder (prices upon request).

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BOATS

BOAT TESTS

Astondoa Top Deck 63

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity 75%; seas: 1-2'

LOAD DURING BOAT TEST

617 gal. fuel, 166 gal. water, 5 persons, 100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/725-hp Volvo Penta IPS950s

Transmission/Ratio: IPS3A 1.88:1 ratio

The Numbers

Astondoa Top Deck 63 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	6.1	2.4	1,487	65
1000	9.5	9.8	567	72
1250	10.4	20.3	300	75
1500	13.9	32.0	254	76
1750	19.3	43.3	261	79
2000	23.6	59.4	232	80
2350	29.6	79.0	219	82

Speeds are two-way averages measured w/ Garmin GPS sensor. GPH estimates taken via Volvo Penta display. Range based on 90% of advertised fuel capacity.

Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy options: Trac or American Bow Thruster stabilizers
Opacmare Transformer system crane/swim ladder (prices upon request).

On Location

Better Boat: Transformer



When Flagship Marine Group's Rafael Barca and I first arrived alongside the Astondoa Top Deck 63 on test day, there was no one onboard to power up the optional Opacmare Transformer (www.opacmare.it) at the stern. Hence, Barca's deployment of the boarding ladder forward and our subsequent use of it. The Transformer, as you can see here, is a savvy hydraulically actuated device that does quadruple duty as a passerelle, swim ladder, tender lift, and loading platform. Had Barca already been aboard the 63 prior to my arrival he could have simply hit a switch to put the Transformer into play. The device evens things up quite nicely whenever a dock is higher than a swim platform. It also facilitates bringing aboard and launching water toys and tenders.

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BOATS

BOAT TESTS

Hampton Endurance 720

By [Capt. Ken Kreisler](#)



Boat Tests

SPECIFICATIONS

Builder: Hampton

LOA: 72'0"

Model: Hampton Endurance 720

Beam: 18'8"

Model Year: 2014

Draft: 5'2"

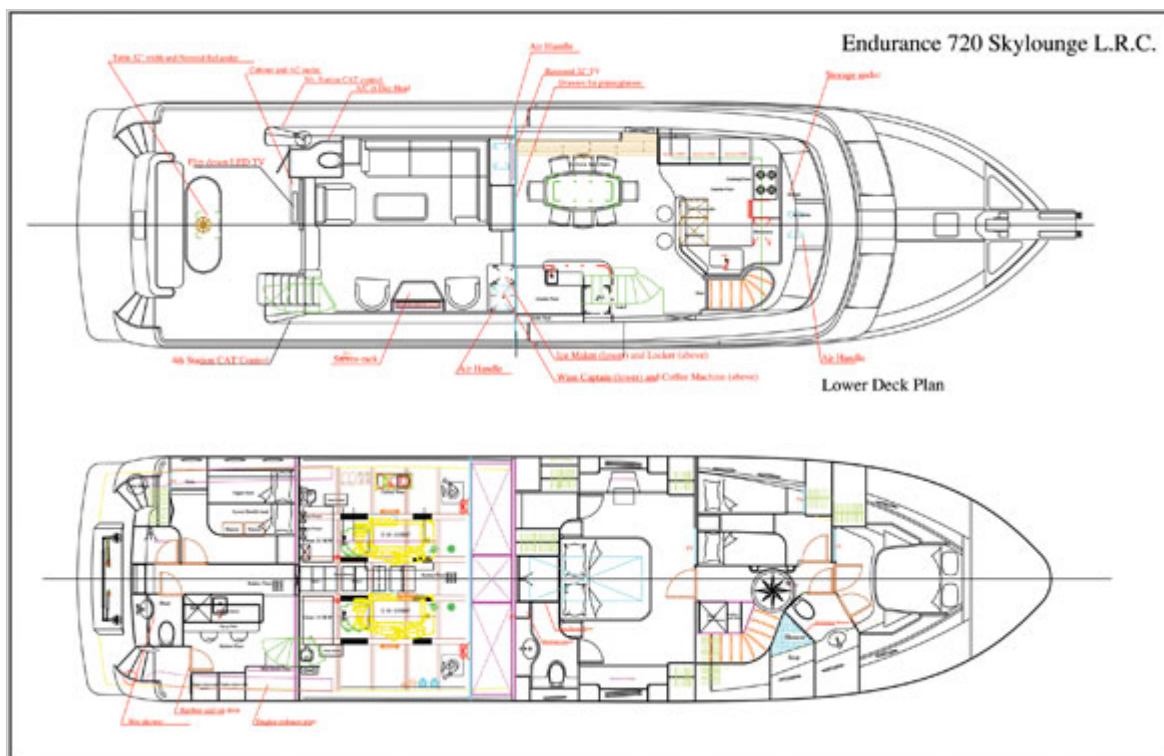
Boat Type: Cruiser

Displacement: 122,500 lb. (dry)

Fuel Capacity: 2,031 gal.

Water Capacity: 450 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Intellian HD6 w/Dummy Dome (\$12,980)

400-600 GPD watermaker (\$9,000/\$11,000)

12-foot tender with 40-hp outboard (\$20,000)

or 14-foot tender with 60-hp outboard (\$29,500)

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BOATS

BOAT TESTS

Hampton Endurance 720

By [Capt. Ken Kreisler](#)



CONDITIONS DURING BOAT TEST

Air temperature: 83°F; humidity: 85%; seas: 3-4'

LOAD DURING BOAT TEST

800 gal. fuel, 112 gal. water, 7 persons.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,150-hp Caterpillar C18 ACERT diesels

Transmission/Ratio: ZF/2.571:1

Props: Hung Shen 40 x 39 five-blade

Price as Tested: \$4,012,775

The Numbers

Hampton Endurance 720 - Final Boat Test Numbers:

RPM	KNOTS	GPH	dB(A)
1000	9.5	8.8	62
1250	11.2	20.2	66
1500	12.9	36.0	66
1750	14.7	64.0	67
2000	18.0	86.0	68
2300	21.9	116.0	69

Speeds are two-way averages measured with Garmin GPS. GPH estimates taken via Caterpillar display. Range is based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Grand Banks 50 Eastbay SX

By [Peter A. Janssen](#)



Boat Tests

SPECIFICATIONS

Builder: Grand Banks

LOA: 55'11"

Model: Grand Banks 50 Eastbay SX

Beam: 16'6"

Model Year: 2014

Draft: 4'1"

Boat Type: Cruiser

Displacement: 50,050 lb.

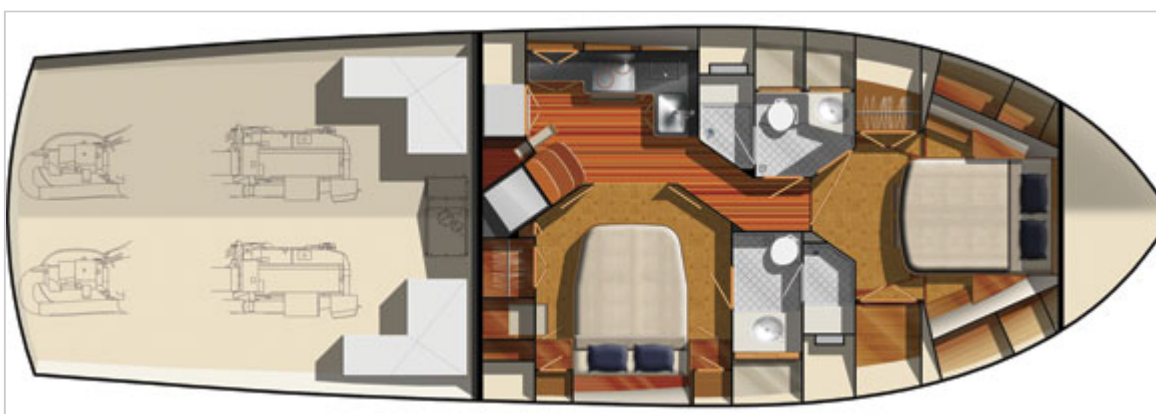
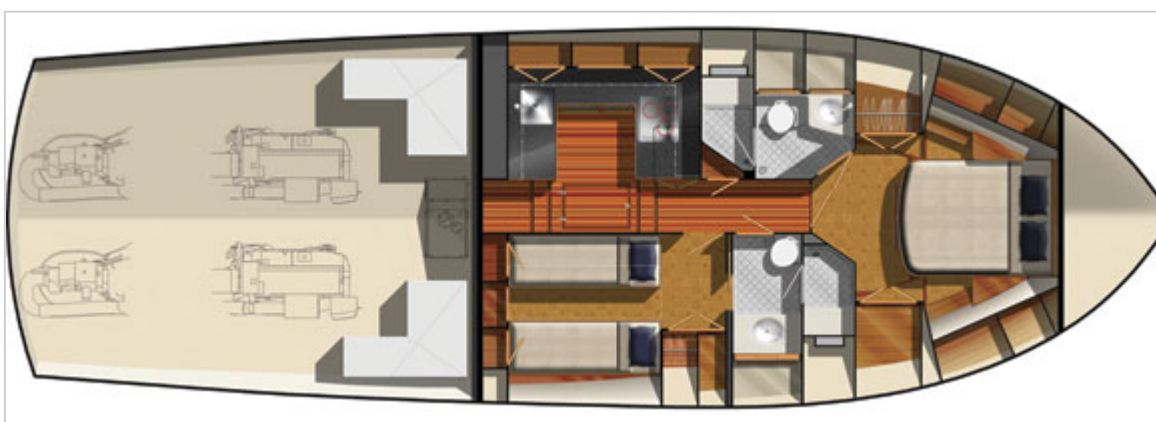
Standard Power: 2/600-hp Volvo Penta IPS800s

Optional Power: 2/800-hp MAN D2876 diesel
inboards

Fuel Capacity: 800 gal.

Water Capacity: 162 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Hydraulic swim platform with remote wireless lift (\$42,400)
Humphree Interceptor trim tabs (\$7,160)
Webasto 24-volt electric opening sunroof with Oceanair screens and blinds (\$23,800)
Navy-blue hull color with gold cove stripe (\$15,510)
Garmin electronics package (\$37,620).

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BOATS

BOAT TESTS

Grand Banks 50 Eastbay SX

By [Peter A. Janssen](#)



CONDITIONS DURING BOAT TEST

Air temperature: 73°F; humidity: 78%; seas: flat

LOAD DURING BOAT TEST

506 gal. fuel, 91 gal. water, two persons, 500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/725-hp Volvo Penta IPS950s

Transmission/Ratio: Volvo Penta IPS 2B, 1.59:1 gear ratio

Props: Volvo Penta IPS P3 Propset

Price as Tested: \$1,964,782

The Numbers

Grand Banks 50 Eastbay SX - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	9.7	8.6	812	65
1250	11.1	17	470	70
1500	15.0	25	432	68
1750	20.2	34	427	76
2000	25.0	43	418	76
2250	29.7	53	403	75
2420	33.0	63	377	76

Speeds are two-way averages measured by Garmin GPS. GPH taken from Volvo engine display. Range is based on 90% advertised fuel capacity. Sound measured at the helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

NOTEWORTHY OPTIONS: Hydraulic swim platform with remote wireless lift (\$42,400)

Humphree Interceptor trim tabs (\$7,160)

Webasto 24-volt electric opening sunroof with Oceanair screens and blinds (\$23,800)

Navy-blue hull color with gold cove stripe (\$15,510)

Garmin electronics package (\$37,620).

On Location

Better Boat: Precious Cargo



Five of owner David Rosow's six grandchildren enjoy his boat, as Rosow's son Christopher looks on.

Hull number one of the 50 Eastbay SX features a three-stateroom layout, chiefly because owner David Rosow wanted to make sure it could accommodate his favorite crew: his six grandchildren. Rosow relied on his lifelong boating experience—and his own history of owning Grand Banks Yachts—to work with the builder to dial this one in. But there's

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BOATS

BOAT TESTS

Hatteras 100 Raised Pilothouse

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Hatteras

LOA: 102'0"

Model: Hatteras 100 Raised Pilothouse

Beam: 22'6"

Model Year: 2014

Draft: 5'11"

Boat Type: Cruiser

Displacement: 270,000 lb.

GENERATOR 2/40-kW Cummins Onan

Optional Power: 2/2,600-bhp MTU 16V-2000-M94
diesel inboards

Fuel Capacity: 4,665 gal.

Water Capacity: 420 gal.

Flybridge Option



Flybridge Option w/ Davit



Main Deck



Main Deck w/ Optional On-Deck Master Suite



Lower Deck



Main Deck w/ Transom Garage Option



Lower Deck w/ Transom Garage Option





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BOATS

BOAT TESTS

Hatteras 100 Raised Pilothouse

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 73°F; humidity 70%; seas: 4-6'; wind: 20-25 knots

LOAD DURING BOAT TEST

4,660 gal. fuel, 410 gal. water, 8 persons, 100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,900-hp Caterpillar C32 ACERT diesel inboards

Transmission/Ratio: ZF3350; 4.73:1 ratio

Props: 54 x 80 8-blade Michigan Wheel

The Numbers

Hatteras 100 Raised Pilothouse - Final Boat Test Numbers:

RPM	Knots	GPH	RANGE	dB(A)
600	7.5	6.4	4,920	64
1000	9.8	20	2,057	68
1250	12.4	38	1,370	74
1500	13.9	62	941	75
1750	15.4	96	674	77
2000	18.3	144	534	79
2350	22.0	200	462	82

Speeds are two-way averages measured w/ KEP display. GPH estimates taken via Caterpillar display. Range based on 90% of advertised fuel capacity. Decibels measured at lower helm. 65dB-A is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Maxwell docking capstans astern

Latham hydraulic swim platform

teak steps bridge and swim-platform steps (prices upon request).

On Location

Better Boat: High-Falutin' Propellers

While the Hatteras 100 Raised Pilothouse is a traditional-looking vessel, with a tastefully styled, conservative sort of interior, her propulsion package is cutting edge. Indeed, if you could look at her props out of the water, they would probably remind you of giant, 8-bladed pinwheels. More to the point, each of the high-skew blades would appear to be rather oddly shaped, almost scimitar-like. Believe it or not though, the underlying point of all this apparent complexity is a simple one—put a lot of total blade area into the water to maximize torque and planing performance at comparatively low revs (thanks to a deep, rev-reducing gear ratio), but divide said area into many parts so that cyclic vibration (comprised of thumps against the underside of a vessel as the prop rotates) is minimized. The scenario seemed to work like gangbusters on



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Intrepid 375 Center Console

By [Kevin Koenig](#)





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Intrepid 375 Center Console

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 93°F; humidity 75%; seas: 4'

LOAD DURING BOAT TEST

140 gal. fuel, 20 gal. water, 3 persons, 100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/557-hp Seven Marine outboards

Transmission/Ratio: ZF, 1.75:1

Props: 15 x 27 Inertia 5-blade

Price as Tested: \$460,000

The Numbers

Intrepid 375 Center Console - Final Boat Test Numbers:

RPM	Knots	GPH	Range
600	4.6	1.6	1,035
1200	7.0	5.2	485
1800	10.3	13.8	269
2100	14.0	18.4	274
2400	19.6	22.4	315
2700	25.2	29.2	311
3000	29.0	32.0	326
3300	32.8	42.2	280
3700	37.5	52.4	258
4000	39.8	64.4	222
4500	48.5	62.0	282
5000	54.6	90.0	218
5500	60.3	116.0	187
5550	61.0	118.0	186

Speeds are two-way averages measured w/ GPS display. GPH estimates taken via onboard computer. Range based on 90% of advertised fuel capacity.

***Editor's Note:** Due to test conditions, numbers above 4000 rpm were provided by Seven Marine from prior tests with same boat.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Vision livewell leaning post (\$9,750)
fiberglass T-top (\$12,000)

On Location

Better Boat: Big Engines, Bigger Plans



Seven Marine has been on the scene for four years now, and ever since its inception it has been making gearheads' eyes pop... and its competition sweat. But the company is only getting started. With highly maneuverable, super-powerful, and relatively easy-to-maintain engines in its quiver, Seven Marine is officially on the prowl. The company's vice president Brian Davis had this to say about the future: "Seven Marine is really excited to establish its business in

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BOATS

BOAT TESTS

Azimut 80

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Azimut

LOA: 82'8"

Model: Azimut 80

Beam: 20'5"

Model Year: 2014

Draft: 5'6"

Boat Type: Cruiser

Displacement: 120,590 lb.

Optional Power: 2/1,800-hp MAN CR V12 diesels

Fuel Capacity: 1,585 gal.

Water Capacity: 291 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Engine upgrade to 2/1,800-hp MAN CR V12 diesels (\$140,000)

CMC fin stabilizers (\$190,890)

28-kW generators (\$16,030)

adjustable table on flying bridge (\$2,940).

This article originally appeared in the February 2014 issue of *Power & Motoryacht* magazine.



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BOATS

BOAT TESTS

Azimut 80

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature: 68°F; humidity 87%; seas: 2-3'

LOAD DURING BOAT TEST

1,250 gal. fuel, 290 gal. water, 4 persons, 250 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,800-hp MAN CR V12s

Transmission/Ratio: ZF 2.467:1

Props: 40.5 x 44.9 5-blade NiBrAl

The Numbers

Azimut 80 - Final Boat Test Numbers:

RPM	Knots	GPH	Range	dB(A)
1000	10.4	20.3	728	57
1250	12.3	37.8	457	57
1500	14.9	65.2	325	61
1800	21.2	104.9	287	65
2000	24.1	132.9	258	68
2250	29.0	173.0	240	72
2350	30.3	178.6	243	73

Speeds are two-way averages measured w/ Raymarine display. GPH estimates taken via MAN display. Range is based on 90% of advertised fuel capacity.

Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Engine upgrade to 2/1,800-hp MAN CR V12 diesels (\$140,000)

CMC fin stabilizers (\$190,890)

28-kW generators (\$16,030)

adjustable table on flying bridge (\$2,940).

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BOATS

BOAT TESTS

Fleming 78

By [George Sass Sr.](#)



Boat Tests

SPECIFICATIONS

Builder: Fleming

LOA: 81'6"

Model: Fleming 78

Beam: 21'5"

Model Year: 2014

Draft: 5'0"

Boat Type: Cruiser

Displacement: 197,800 lb. (full)

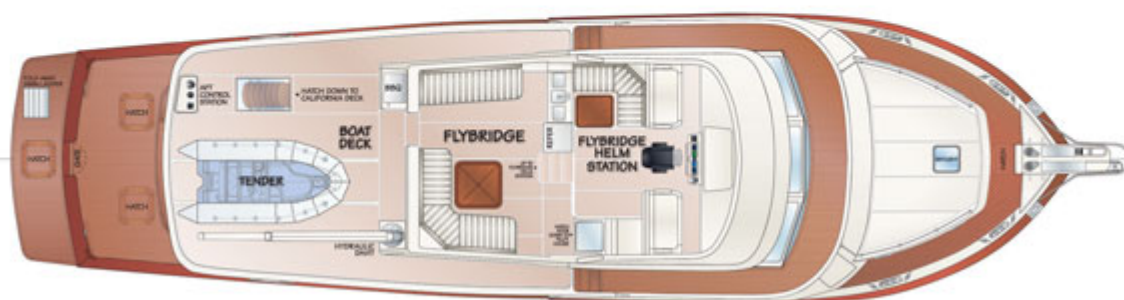
GENERATORS 2/32-kW Onans

Optional Power: 2/1,000-hp MAN V8-1000 diesels;
2/1,200-hp MAN V8-1200 diesels

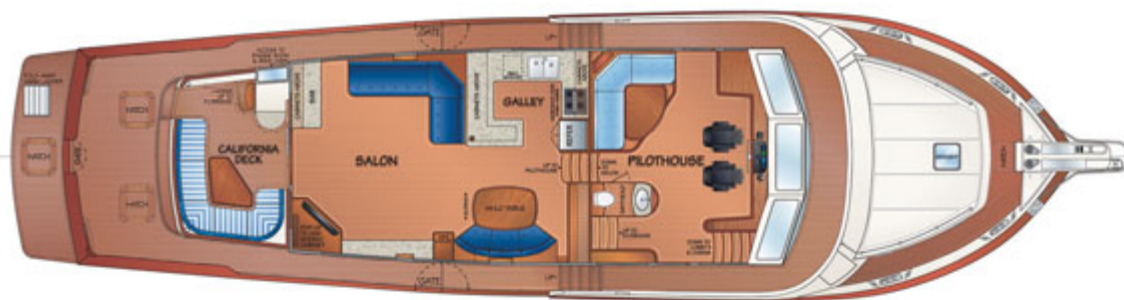
Fuel Capacity: 3,000 gal.



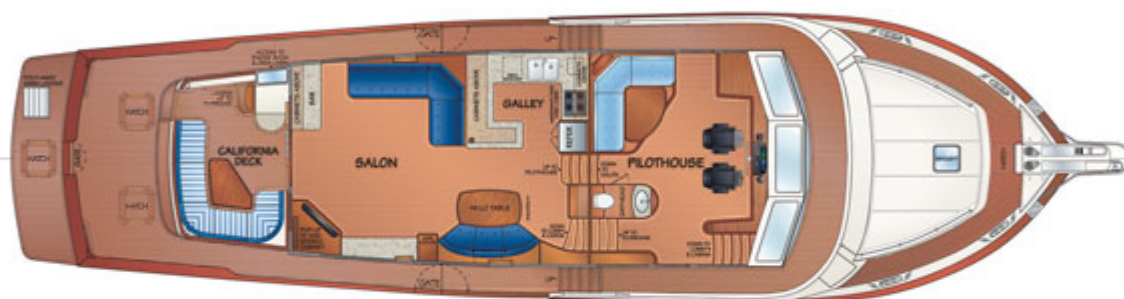
FLEMING 78' - PROFILE



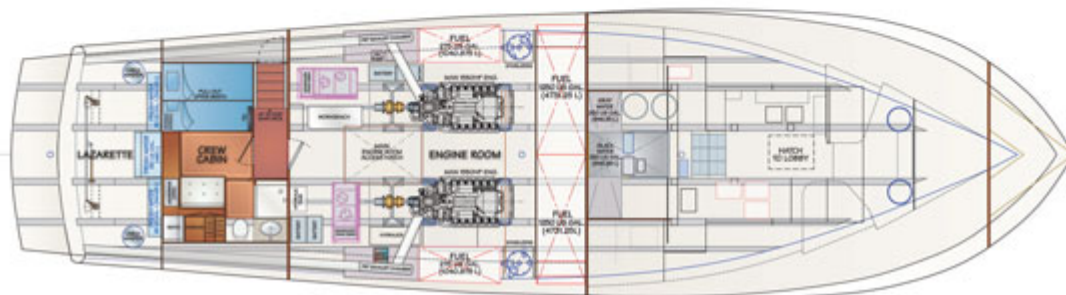
FLEMING 78' - FLYBRIDGE



FLEMING 78' - MAIN DECK



FLEMING 78' - MAIN DECK w/DIRECT ACCESS to MASTER CABIN from SALON



FLEMING 78' - LAZERETTE | CREW CABIN | ENGINE ROOM | FORWARD MACHINERY SPACE

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BOAT TESTS

Fleming 78

By [George Sass Sr.](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity: 64%; seas: flat; winds: light

LOAD DURING BOAT TEST

800 gal. fuel, 350 gal. water, 9 persons onboard, unrecorded amount of gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,550-hp MAN V12-1550 diesels

Transmission/Ratio: ZF 2050A, 2.467:1 gear ratio

Props: ZF Faster 4-blade Nibral

Price as Tested: Upon request

The Numbers

Fleming 78 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	5.3	3	4,770	58
800	7.5	6	3,375	58
1000	9.2	12	2,070	58
1250	11.2	28	1,080	59
1500	12.5	48	703	61
1750	14.3	72	536	61
2000	17.9	106	456	62
2250	22.0	160	371	65



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BOATS

BOAT TESTS

Pershing 62

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Pershing

LOA: 62'2"

Model: Pershing 62

Beam: 15'9"

Model Year: 2014

Draft: 4'8"

Boat Type: Cruiser

Displacement: 85,976 lb. (full load)

DRIVES 2/ZF SeaRex 120s

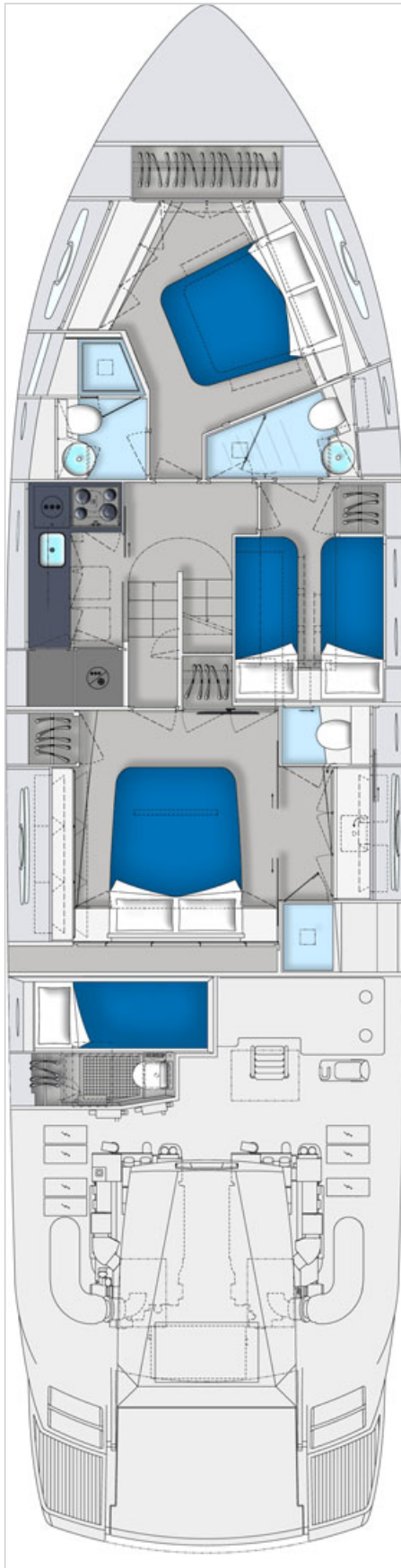
Optional Power: 2/1,381-hp MTU 10V 2000 M84s

GENERATOR 1/13-kW

Fuel Capacity: 845 gal.

Water Capacity: 195 gal.

Layout Diagram



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Pershing 62

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature 72°F; humidity 51%; seas: 1-2'

LOAD DURING BOAT TEST

475 gal. fuel, 195 gal. water, 11 persons, 880 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,523-hp MTU 10V 2000 M93s

Price as Tested: Upon request

The Numbers

Pershing 62 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	9.5	21.7	333	64
1250	10.6	35.7	226	65
1500	11.2	55.2	154	68
1750	12.1	81.9	112	70
2000	29.8	109.6	207	77
2250	41.2	131.3	238	76
2400	45.7	151.4	229	78

Speeds are two-way averages measured w/ Simrad GPS display. GPH taken via MTU display. Range is based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Monte Carlo Yachts 86

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Monte Carlo

LOA: 86'3"

Model: Monte Carlo Yachts 86

Beam: 21'2"

Model Year: 2014

Draft: 6'3"

Boat Type: Cruiser

Displacement: 158,730 lb. (dry)

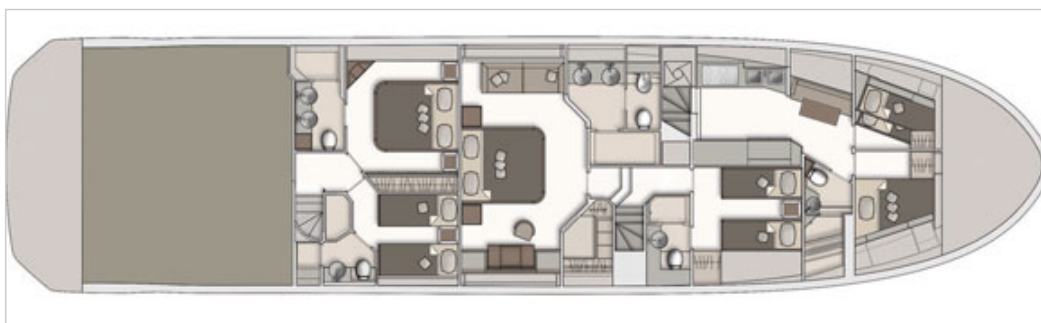
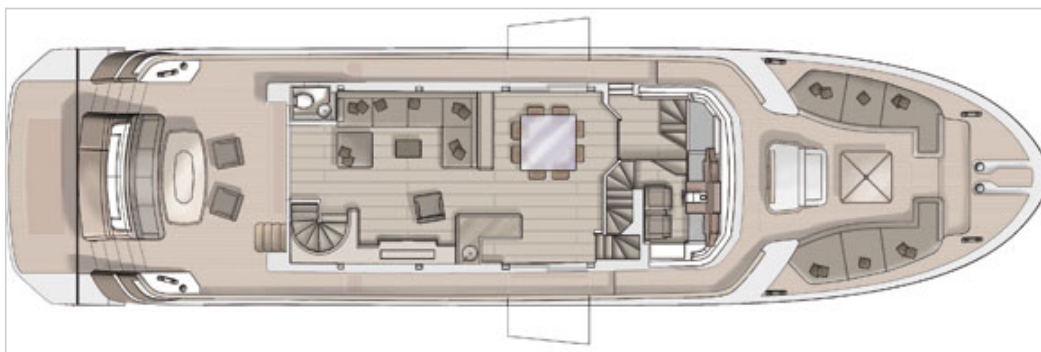
GENERATORS 2 x 20-kW Kohler

Optional Power: none

Fuel Capacity: 1,876 gal.

Water Capacity: 396 gal.

Layout Diagram



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Monte Carlo Yachts 86

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature 73°F; humidity 63%; seas: 3'

LOAD DURING BOAT TEST

1,070 gal. fuel, 260 gal. water, 16 persons, 250 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,800-hp MAN V12s

Props: 4-blade NiBrAl, 40.5 diameter

The Numbers

Monte Carlo Yachts 86 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	10.5	18.5	958	65
1250	12.3	37.5	553	66
1500	14.3	65.5	368	69
1750	17.8	98.0	307	70
2000	22.3	139.0	271	72
2250	25.8	178.0	245	74
2315	26.3	188.0	236	74

Speeds are two-way averages measured with GPS display. GPH taken via MAN display. Range is based on 90% of advertised fuel capacity. Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Lazzara LMY 64

By [Jason Y. Wood](#)



Boat Tests

SPECIFICATIONS

Builder: Lazzara

LOA: 64'6"

Model: Lazzara LMY 64

Beam: 17'4"

Model Year: 2013

Draft: 4'9"

Boat Type: Cruiser

Displacement: 73,500 lb.

Generator 17-kW Onan

Fuel Capacity: 800 gal.

Water Capacity: 200 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Sea Recovery watermaker, 450 gpd (\$14,700)
Volvo Penta IPS aft deck control station (\$15,900)
flying-bridge hardtop (\$56,500)
Garmin 600 AIS system (\$1,590).

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Lazzara LMY 64

By [Jason Y. Wood](#)



CONDITIONS DURING BOAT TEST

Air temperature: 78°F; humidity: 86%; seas: 1-2'; wind: 3-5 knots.

LOAD DURING BOAT TEST

Full fuel, 80 gal. water, 5 persons, 3,000 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/900-hp Volvo Penta IPS1200s

Transmission/Ratio: Volvo Penta IPS3A; 1.88:1 gear ratio

Props: Nibral Q4 propset

Price as Tested: \$3,407,270

The Numbers

Lazzara LMY 64 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
900	9.2	8.8	753	60
1200	11.3	20.0	407	64
1500	14.4	35.0	296	69
1800	20.3	51.0	287	70
2100	26.3	74.0	256	70
2700	30.2	87.0	250	72

Speeds are two-way averages measured with Garmin GPS. GPH taken via Volvo Penta engine display. Range is based on 90 percent of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Sea Recovery watermaker, 450 gpd (\$14,700)

Volvo Penta IPS aft deck control station (\$15,900)

flying-bridge hardtop (\$56,500)

Garmin 600 AIS system (\$1,590).

On Location

Better Boat: Details, Details

Innovation at Lazzara Yachts shows up in the little things. To deflect exhaust heat from composite structural elements in the engine room, Dick Lazzara pointed out a polished steel panel with a thin layer of what looked to be putty behind it. "That's a high-temp ceramic that was developed by NASA, and a friend of mine gave it to me," Lazzara says. "We spent about a year trying to develop it for how it would be a sprayable material that would be able to reflect heat. Now you can use a batting material, like you would use in the walls of your house, as other builders do, but that's heavy, it can absorb water and get mildew. And so here's a new product that makes the boat better. It's a little thing but it's all those little things that we've done that add up."

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BOATS

BOAT TESTS

Delta 54 IPS

By [Jason Y. Wood](#)



Boat Tests

SPECIFICATIONS

Builder: Delta Powerboats

LOA: 59'4"

Model: Delta 54 IPS

Beam: 15'0"

Model Year: 2013

Draft: 4'7"

Boat Type: Cruiser

Displacement: 30,865 lb. (light) 44,092 lb.
(maximum)

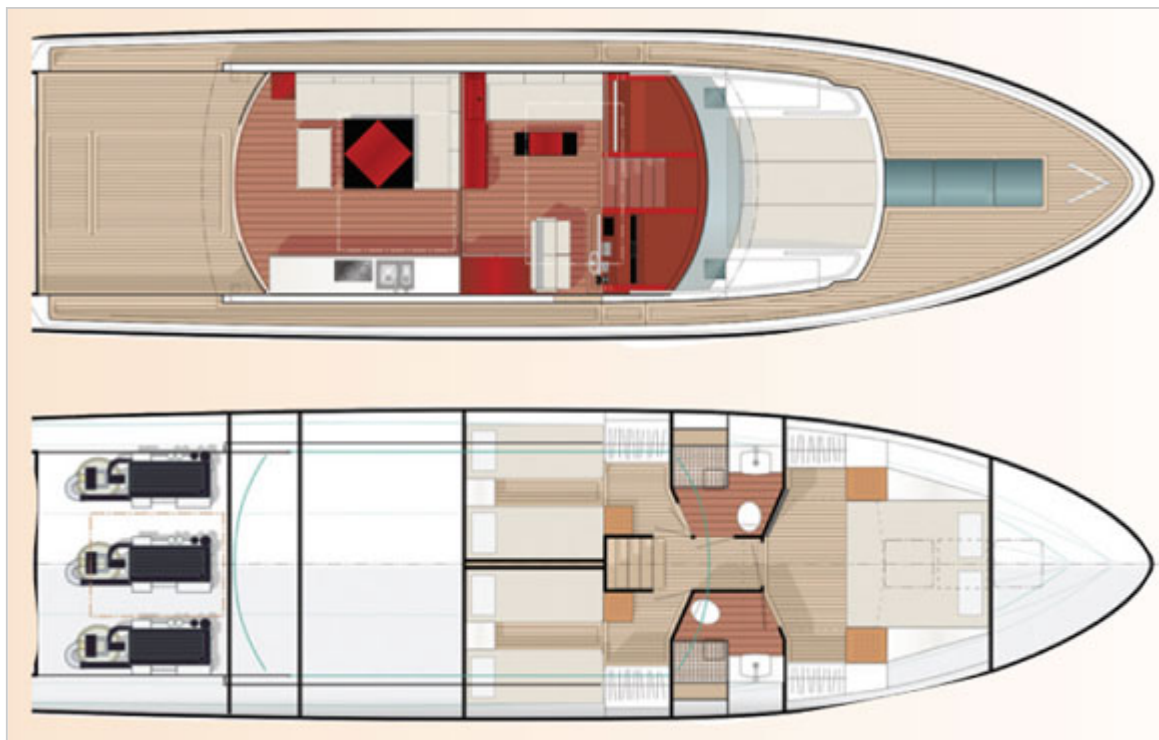
Generator 25-kW Fischer Panda

Standard Power: 2/435-mhp Volvo Penta IPS600s

Fuel Capacity: 739 gal.

Water Capacity: 185 gal.

Layout Diagram



Better Boat: Helping Hand

Along the starboard side deck, I easily made my way forward to the helm-station door, but beyond that was a step up onto the foredeck, with no bulwarks or outboard bowrail or lifelines for support. It felt a little tricky until I put my inboard hand out—and I did it without even thinking as I was watching my footing—and grabbed onto a handrail proffered by the boat. Now it makes sense. What I'd thought was a most awkwardly designed piece of onboard stainless steel had simply done its one job, without fanfare. Ahhh, Swedish design, pure form following function.

OPTIONAL EQUIPMENT

Noteworthy Option: Seakeeper gyro stabilization system (\$120,000).

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BOATS

BOAT TESTS

Delta 54 IPS

By [Jason Y. Wood](#)



CONDITIONS DURING BOAT TEST

Air temperature: 83°F; humidity: 75%; wind: 9 knots; seas: 1'-2'

LOAD DURING BOAT TEST

140 gal. fuel, 160 gal. water, 2 persons, 250 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 3/435-mhp Volvo Penta IPS600s

Props: Volvo Penta size-6 propset

Price as Tested: \$1,900,000 (including shipping and taxes, excluding VAT)

The Numbers

Delta 54 IPS - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)*
1000	7.0	3.4	1,369	73
1500	8.9	9.6	617	70
2000	15.1	20.0	502	73
2500	22.7	31.0	487	76
3000	30.5	49.0	414	80
3410	36.5	65.0	373	97

Speeds are two-way averages measured w/ Raymarine G-Series GPS. GPH measured via Volvo Penta display. Range is based on 90 percent of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

***Note:** Sound measurements taken with side-deck door, saloon door, and sunroof open—it was a beautiful day!



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BOATS

BOAT TESTS

Fairline Targa 48 Open

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Fairline

LOA: 48'4"

Model: Fairline Targa 48 Open

Beam: 14'2"

Model Year: 2013

Draft: 3'3"

Boat Type: Cruiser

Displacement: 28,650 lb. (dry)

GENERATOR 11-kW Onan

Optional Power: none

Fuel Capacity: 357 gal.

Water Capacity: 116 gal.

Layout Diagram



Better Boat: Uncommon Results

One interesting aspect of Fairline's efforts to streamline its production is a "common platform" approach to new models. This Targa 48 Open is offered alongside not just the new Targa 48 GT, with her enclosed hardtop and saloon doors, but also a new Squadron 48 flying bridge model. All three boats share the same hull design and engineering package, which means that layout options available on one model can be fairly easily transferred to

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BOATS

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Fairline Targa 48 Open

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature 70°F; humidity 39%; seas: 2-3'

LOAD DURING BOAT TEST

310 gal. fuel, no water, 7 persons, 700 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/435-mhp Volvo Penta IPS600s

Props: Volvo Penta T3

Price as Tested: \$1,201,406

The Numbers

Fairline Targa 48 Open - Final Boat Test Numbers:

RPM	KNOTS	GPH*	RANGE*	dB(A)
2500	15.0	21.7	221	73
2750	17.8	28.4	202	73
3000	22.3	32.1	221	74
3250	26.7	36.5	234	74
3400	30.4	38.9	250	73

Speeds are two-way averages measured w/ Garmin GPS. GPH provided by Fairline. Range based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

***Editor's Note:** Fuel and range numbers were provided by Fairline Boats.



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BOATS

BOAT TESTS

Viking 52

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Viking

LOA: 53'2"

Model: Viking 52

Beam: 17'6"

Model Year: 2013

Draft: 4'11"

Boat Type: Sportfisherman

Displacement: 70,280 lb. (test)

Optional Power: 2/1,000-hp MAN V8 diesels

Fuel Capacity: 1,467 gal.

Water Capacity: 186 gal.

Layout Diagram

Better Boat:

Towering Over The Competition

If you've read reviews of Viking's boats, then you've no doubt come across a phrase like this: "The boat has a tower by Viking subsidiary Palm Beach Towers." But what exactly does that mean, and why does Viking choose to build its own towers? As per usual, Viking's director of communications, Pete Frederiksen, is the man with all the answers. He says, "The main advantage with Palm Beach Towers is that you can get your boat completed with the tower in place. The whole idea behind having this company is that the people who buy the boats have

the money, but maybe not the time. There's only 24 hours in a day no matter who you are. So if you have one company that does [the boat and the tower], that streamlines the whole process for the customer. And that's what our guys really love." Soup to nuts, that's the Viking way.



two berth options.

The forepeak stateroom has

OPTIONAL EQUIPMENT

Noteworthy Options: Viking Lady Yellow gelcoat (\$14,850)

DC bow thruster (\$14,855)

cockpit ice machine with discharge (\$14,845)

saloon door with electric door opener (\$5,500)

bridge refrigerator (\$3,170).

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BOATS

BOAT TESTS

Viking 52

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity 80%; seas 4-6'

LOAD DURING BOAT TEST

700 gal. fuel, 186 gal. water, 3 persons, 500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,400-hp MAN V12 diesels

Transmission/Ratio: ZF, 2.75:1 gear ratio

Props: N/A (proprietary)

Price as Tested: \$2,447,446

The Numbers

Viking 52 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	12.0	24	696	77
1250	16.4	42	543	79
1500	23.8	62	534	84
1800	30.5	82	518	86
2100	36.6	114	447	87
2300	42.1	148	398	88

Speeds are two-way averages measured with GPS display. GPH estimates taken via MAN display. Range is based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

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Tiara 50 Coupe

By [Chris Landry](#)



Boat Tests

SPECIFICATIONS

Builder: Tiara

LOA: 54'6"

Model: Tiara 50 Coupe

Beam: 15'11"

Model Year: 2013

Draft: 4'8"

Boat Type: Cruiser

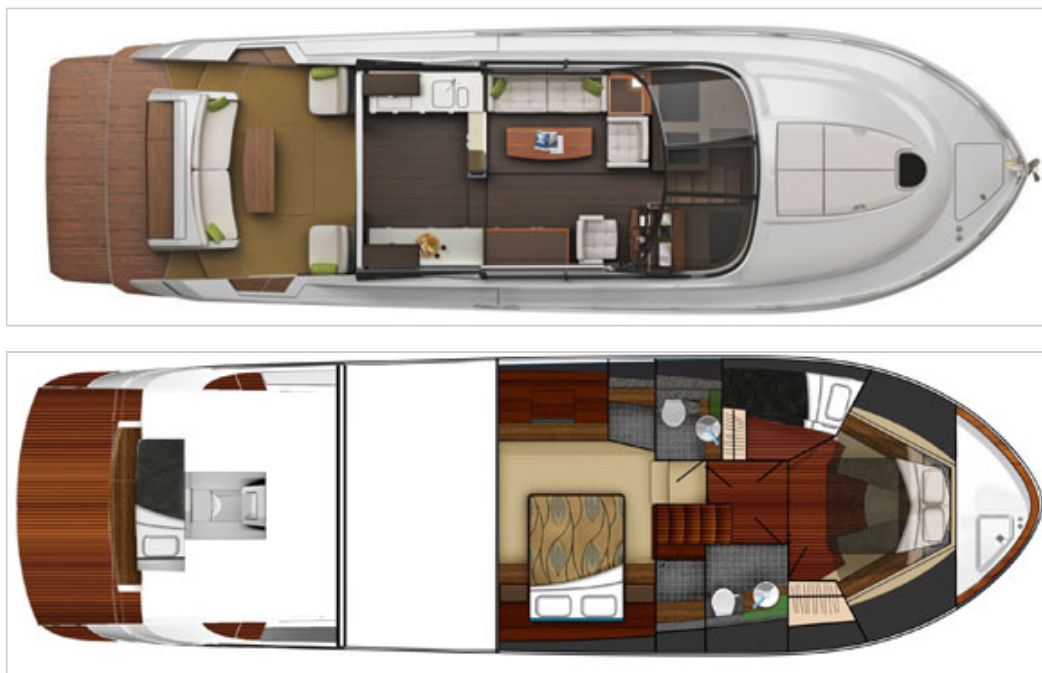
Displacement: 45,640 lb.

Standard Power: 2/625-hp Volvo Penta IPS800s

Fuel Capacity: 654 gal.

Water Capacity: 200 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Walnut cabin sole (\$10,940)
Nautical Structures hydraulic swim platform (\$58,100)
SureShade aft sunshade (\$13,320)
Volvo Joystick Plus cockpit station (\$17,860).

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BOATS

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Tiara 50 Coupe

By [Chris Landry](#)



CONDITIONS DURING BOAT TEST

Air temperature: 70°F; humidity: 65%; seas: 1-2'; wind: 3-5 knots

LOAD DURING BOAT TEST

654 gal. fuel, 200 gal. water, 4 persons, 150 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/725-hp Volvo Penta IPS950s

Transmission/Ratio: Volvo Penta IPS, 1.7:1 gear ratio

Props: Volvo IPS P4

Price as Tested: \$1,377,725

The Numbers

Tiara 50 Coupe - Final Boat Test Numbers:

RPM*	KNOTS	GPH	RANGE	db(A)
600	5.6	2.4	1,373	64
1000	8.8	8.5	609	66
1400	11.2	21.9	301	70
1800	17.9	37.1	284	72
2000	22.9	43.6	309	73
2200	27.3	52.5	306	76
2400	30.7	60.4	299	76
2562	34.0	71.6	280	78



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BOATS

BOAT TESTS

Mangusta 94

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Overmarine

Model: Mangusta 94

Model Year: 2013

Boat Type: Cruiser

DRIVES 2/KaMeWa 56 S3 jets

GENERATOR 2/28-kW Kohler

LOA: 94'3"

Beam: 21'7"

Draft: 5'3"

Displacement: 198,413 lb. (full load)

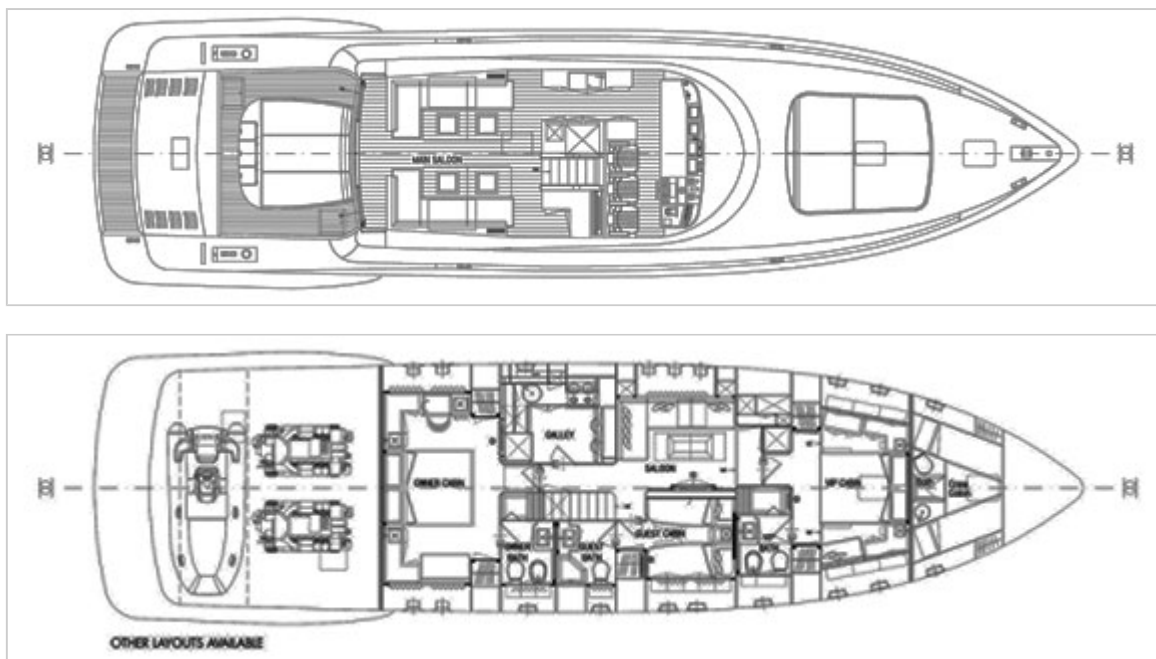
Standard Power: 2/2,600-bhp MTU 16V 2000 M94
diesels

Optional Power: none

Fuel Capacity: 2,325 gal.

Water Capacity: 370 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Item Mare gyroscopic stabilizer (\$162,000).

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BOATS

BOAT TESTS

Mangusta 94

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature 71°F; humidity 56%; seas: 3'

LOAD DURING BOAT TEST

705 gal. fuel, 343 gal. water, 5 persons, 1,300 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/2,600-bhp MTU 16V 2000 M94 diesels

Price as Tested: \$11,772,000 (€8.72 million ex taxes, ex shipyard)

The Numbers

Mangusta 94 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	8.6	23.8	756	56
1300	11.8	52.8	467	59
1600	14.7	95.1	323	62
1900	23.1	155.9	310	66
2200	34.2	253.6	282	68



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BOATS

BOAT TESTS

Horizon PC60

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Horizon

LOA: 55'9"

Model: Horizon PC60

Beam: 24'6"

Model Year: 2013

Draft: 4'0"

Boat Type: Catamaran

Displacement: 77,000 lb.

Fuel Capacity: 1,000 gal.

Water Capacity: 400 gal.



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BOATS

BOAT TESTS

Horizon PC60

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

Air temperature: 75°F; humidity: 57%; wind: 13-15 knots; seas: 4'

LOAD DURING BOAT TEST

500 gal. fuel, 200 gal. water, 5 persons, 300 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/715-mhp Cummins QSM 11 diesel inboards

Transmission/Ratio: ZF 500 A, 2.003:1 gear ratio

Props: 32 x 25 4-blade Nibral

Price as Tested: \$3,583,000

The Numbers

Horizon PC60 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	8.3	7.6	1,131	71
1250	10.1	13.8	760	74
1500	11.1	24.4	472	76
1750	13.0	32.8	412	76
2000	17.4	46.0	392	77
2350	19.6	64.0	316	77
2500	21.8	72.0	313	79

Speeds are two-way averages measured w/ onboard Garmin GPS. GPH taken via SmartCraft monitor. Range is based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Princess 82

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Princess

LOA: 82'8"

Model: Princess 82

Beam: 18'10"

Model Year: 2013

Draft: 5'11"

Boat Type: Cruiser

Displacement: 121,253 lb.

Standard Power: 2/1,622-mhp Caterpillar C32
ACERT diesel inboards

Optional Power: 2/1,624-mhp MTU 10V2000-M94,
2/1,723-mhp Caterpillar C32 ACERT, or 2/1,825-mhp
Caterpillar C32 ACERT diesel inboards

Fuel Capacity: 1,701 gal.

Water Capacity: 366 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: TRAC stabilizers
electric twin berth conversions in port stateroom
electrical up/down bulkhead behind helm
side boarding gates
flying bridge hardtop
Glendinning Cablemasters.

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BOATS

BOAT TESTS

Princess 82

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

Air temperature: 71°F; humidity: 55%; seas 3-4'

LOAD DURING BOAT TEST

1,701 gal. fuel, 183 gal. water, five persons.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,723-mhp Caterpillar C32 ACERT diesel inboards

Transmission/Ratio: ZF2050A, 2.467:1 gear ratio

Props: 40 x 42.5, Veem, 5 blades

Price as Tested: \$6,678,425

The Numbers

Princess 82 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	10.7	23.2	705	60
1250	12.0	39.6	464	64
1500	15.4	70.8	333	68
1750	20.4	86.2	363	69
2000	25.9	131.0	303	73
2360	31.9	178.6	273	74

Speeds are two-way averages measured with Garmin handheld GPS. GPH taken from CAT engine display. Range is based on 90 percent of advertised fuel capacity. Sound levels measured at helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: TRAC stabilizers
electric twin berth conversions in port stateroom
electrical up/down bulkhead behind helm
side boarding gates
flying bridge hardtop
Glendinning Cablemasters.

On Location

Better Boat:

A Flying Bridge For Today



The bridge on the Princess 82 Motor Yacht is significantly larger than that of the company's 78-footer and has been reconfigured to reflect the way people actually use vessels of this size. Instead of one long module along the port side that combines the aft sunpad, U-shaped seating area, and forward settee facing the starboard helm, the 82 divides these areas into three distinct spaces: an aft two-person sunpad lying athwartships, a large U-shaped dining settee, and all the way forward, two U-shaped settees facing a centerline helm station. This makes it possible for everyone to have a bit of privacy if they desire it while providing plenty of common areas for people to mingle. The L-shaped bar is to starboard and larger than the 78's straight one, and nearly the entire top deck can now be protected from the elements by an optional hardtop not offered on the 78.

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BOATS

BOAT TESTS

Ferretti 960

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Ferretti

LOA: 95'10"

Model: Ferretti 960

Beam: 22'1"

Model Year: 2013

Draft: 7'3"

Boat Type: Cruiser

Displacement: 218,258 lb. (full load)

Standard Power: 2/2,218-mhp MTU 16V 2000 M84

Optional Power: 2/2,435-mhp MTU 16V 2000 M93;
2/2,638-mhp MTU 16V 2000 M94

Fuel Capacity: 2,378 gal.

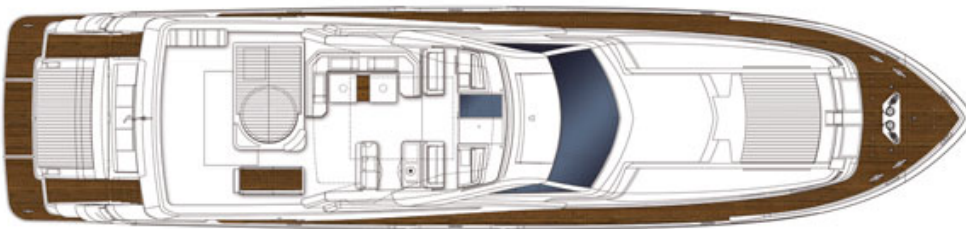
Water Capacity: 349 gal.

Layout Diagram

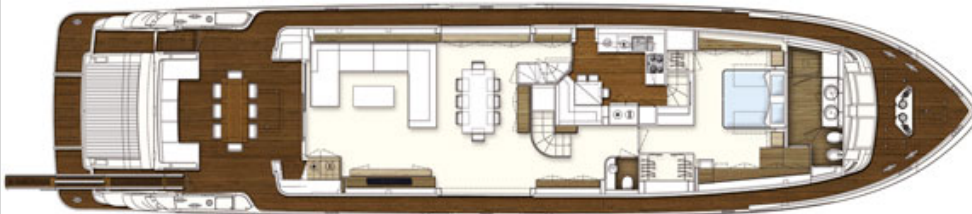
Ferretti 960 - Profile



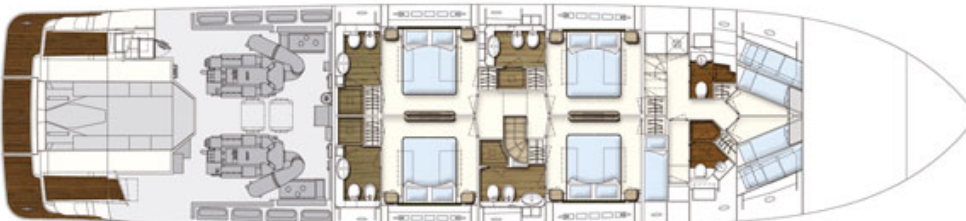
Ferretti 960 - Upper Deck



Ferretti 960 - Main Deck



Ferretti 960 - Lower Deck



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BOATS

BOAT TESTS

Ferretti 960

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

Speed, fuel, and sound measurements provided by Ferretti Yachts. Seas: 2-4'; winds: calm

LOAD DURING BOAT TEST

800 gal. fuel, 170 gal. water, 8 persons.

TEST BOAT SPECIFICATIONS

Transmission/Ratio: ZF 3070V, 2.52:1 gear ratio

Price as Tested: Upon request

The Numbers

Ferretti 960 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
Idle	7.5	5.3	3,029	55
1000	11.6	23.2	1,070	57
1200	13.1	33.8	829	59
1400	15	74.5	431	60
1600	18	100.9	382	62
1800	21.5	130.8	352	63
2000	25.7	165.1	333	65
2200	28.6	214	286	66
2450	31.8	258.8	263	68

Range based on 90 percent of advertised fuel capacity.

Sound measured at the lower helm in dB(A). 65 dB(A) is the level of normal conversation.

On Location

Better Boat: Engine Room Elbow Room



Ferretti has always taken justifiable pride in the design of its engine rooms, and despite its slightly truncated size, that of the 960 is a fine example. Immediately noticeable is the ample walkway (more than 3½ feet wide) between the engines, and 360-degree access around both. The spacious layout would also allow each genset to be moved from its position forward of the mains to below the overhead soft patches, for removal for major work. And since the standard ARG gyroscopic stabilizer is beneath the centerline walkway, it doesn't intrude into the machinery spaces as it did in some previous installations.

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BOATS

BOAT TESTS

Garcia Trawler 54

By [Carol and Robert Brathune](#)



Boat Tests

SPECIFICATIONS

Builder: Garcia

LOA: 56'4"

Model: Garcia Trawler 54

Beam: 16'1"

Model Year: 2013

Draft: 5'1"

Boat Type: Trawler

Displacement: 70,500 lb.

Optional Power: 1/75-mhp Volvo Penta D2-75 diesel
w/ Saildrive (as wing engine)

Fuel Capacity: 1,370 gal.

Water Capacity: 142 gal.

Layout Diagram



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BOATS

BOAT TESTS

Garcia Trawler 54

By Carol and Robert Brathune



CONDITIONS DURING BOAT TEST

Air temperature: 85°F; humidity 70%; wind: 10-12 knots; seas: 1-2'

LOAD DURING BOAT TEST

700 gal. fuel, 47 gal. water, 5 persons, 1,000 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 1/185-bhp Caterpillar 3056-TA diesel inboard

Transmission/Ratio: ZF301-A10 2.9:1 gear ratio

Price as Tested: \$1,893,760

The Numbers

Garcia Trawler 54 - Final Boat Test Numbers:

RPM	Knots	GPH*	RANGE*	dB(A)
700	2.6	N/A	N/A	57
1000	4.6	N/A	N/A	57
1250	5.5	N/A	N/A	62
1500	6.7	N/A	N/A	56
1750	7.6	N/A	N/A	57
2000	8.4	N/A	N/A	59
2250	9.2	N/A	N/A	59
2500	9.6	N/A	N/A	59

*Editor's Note: Figures for GPH and Range were unavailable due to lack of working fuel-flow and calibrated tachometers on the test boat.



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BOATS

BOAT TESTS

Cumberland 47 LC

By [George Sass Jr.](#)



Boat Tests

SPECIFICATIONS

Builder: Fountaine Pajot

LOA: 46'0"

Model: Cumberland 47 LC

Beam: 44'2"

Model Year: 2013

Draft: 3'6"

Boat Type: Catamaran

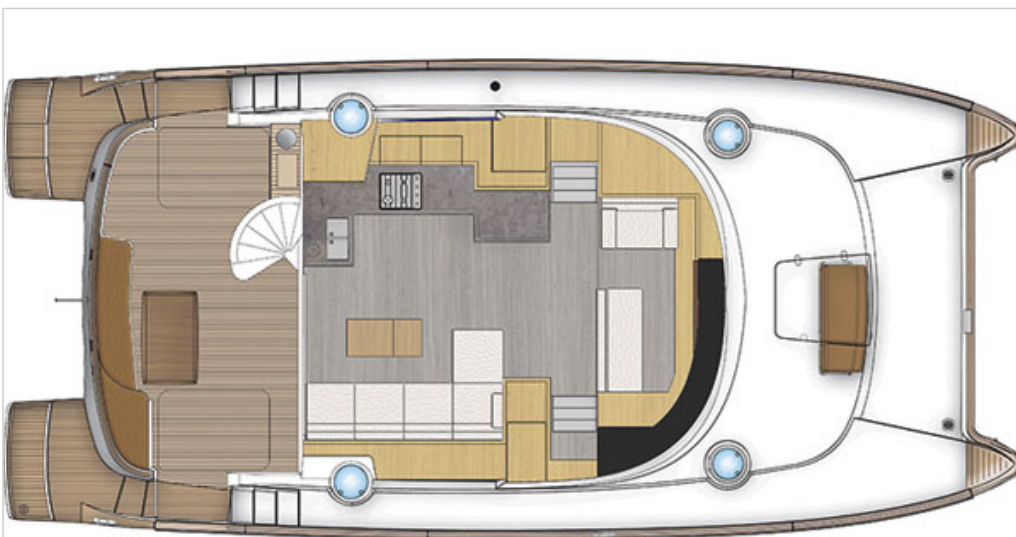
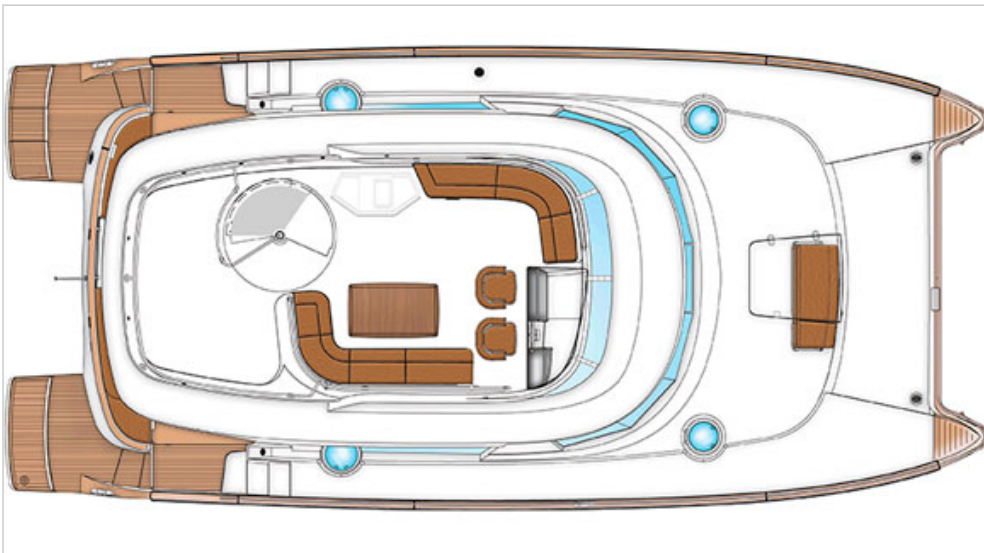
Displacement: 31,305 lb.

Optional Power: 2/225-mhp Volvo D4 diesels; IPS
pods

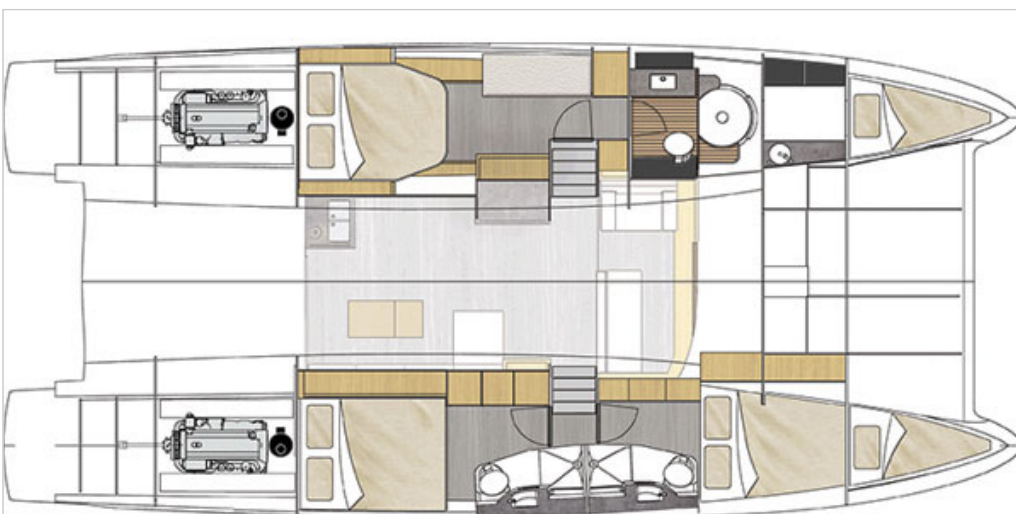
Fuel Capacity: 635 gal.

Water Capacity: 185 gal.

Layout Diagram



MAINDECK



LOWERDECK

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BOATS

BOAT TESTS

Cumberland 47 LC

By [George Sass Jr.](#)



CONDITIONS DURING BOAT TEST

Air Temperature: 59°F; humidity: 55%; seas 4-6'

LOAD DURING BOAT TEST

full fuel, full water, 7 persons; light gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/300-mhp Volvo Penta D4 diesels

The Numbers

Cumberland 47 LC - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1500	8.1	2.9	1,596	60
2600	15.5	12.2	726	72
3000	19.9	18.2	625	76
3600	24.0	30.1	456	77

Speeds are two-way averages measured with Raymarine GPS. GPH taken via Volvo Penta display. Range based on 90% of advertised fuel capacity.

Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Azimut Atlantis 34

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Azimut

LOA: 33'8"

Model: Azimut Atlantis 34

Beam: 11'6"

Model Year: 2013

Draft: 3'1"

Boat Type: Cruiser

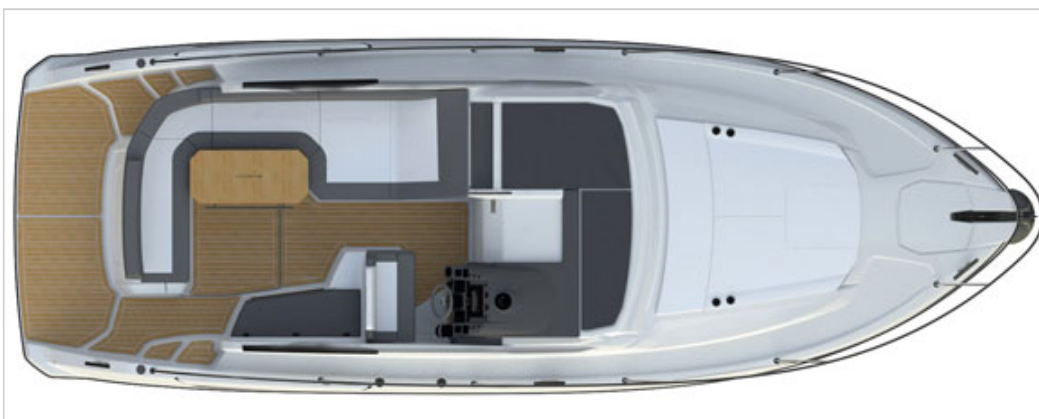
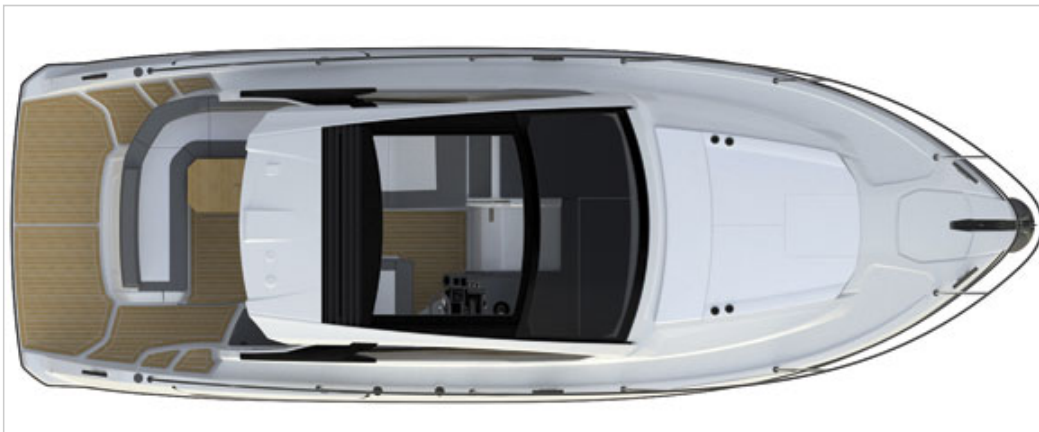
Displacement: 14,660 lb. (dry)

Optional Power: none

Fuel Capacity: 172 gal.

Water Capacity: 49 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Teak-laid cockpit and platform (\$11,775)
4-hp Side Power bow thruster (\$6,675)
Lenco electric trim tabs (\$2,625)
bow cushions (\$2,625)
Waeco cockpit fridge (\$1,575).

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BOATS

BOAT TESTS

Azimut Atlantis 34

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature: 72°F; humidity: 66%; seas: 1'

LOAD DURING BOAT TEST

86 gal. fuel, 49 gal. water, 5 persons, 250 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/220-mhp Volvo Penta D3 diesels

Price as Tested: \$380,000 approx.

The Numbers

Azimut Atlantis 34 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	5.6	1	868	50
1500	7.6	2.9	406	70
2000	9.5	7.1	208	78
2500	13.5	11.1	189	81
3000	22.2	15.1	228	80
3500	27.2	20.9	201	81
3950	31.4	25.6	191	82

Speeds are two-way averages measured w/ Raymarine GPS display. GPH taken via Volvo display.

Range is based on 90% of advertised fuel capacity.

Sound levels were measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Palm Beach 55 Express

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Palm Beach

LOA: 59'0"

Model: Palm Beach 55 Express

Beam: 17'2"

Model Year: 2013

Draft: 3'6"

Boat Type: Down East

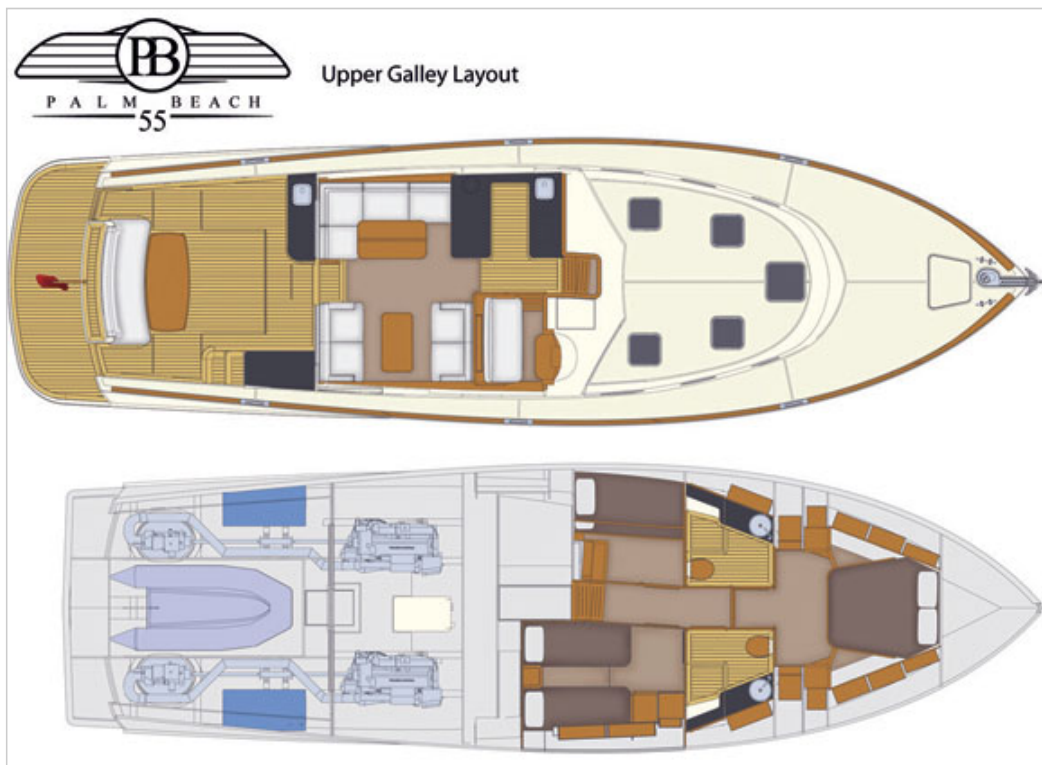
Displacement: 36,400 lb. (dry)

Optional Power: various Volvo Penta and Cummins power configurations

Fuel Capacity: 687 gal.

Water Capacity: 317 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Fixed rear cockpit awning (\$15,000)
bow rider seat (\$12,000)
full Garmin electronics package (\$9,200)
hydraulic tender launch system (upon request).

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BOAT TESTS

Palm Beach 55 Express

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 70°F; humidity 30%; seas: flat for speed numbers, 6'-9' in open water

LOAD DURING BOAT TEST

225 gal. fuel, 300 gal. water, 5 persons, 1,500 lb. gear.

TEST BOAT SPECIFICATIONS

Transmission/Ratio: ZF 2.05:1 gear ratio

Props: 30 x 34 bronze Teignbridge 5-blades

Price as Tested: \$2,600,000

The Numbers

Palm Beach 55 Express - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
630	7.5	2.0	2319	66
1000	10.5	7.9	822	73
1500	18.0	21.7	513	77
2000	25.7	41.7	384	78
2380	31.8	65.0	302	83

Speeds are two-way averages measured w/ GPS display. GPH estimates taken via Volvo Penta display. Range calculated based on 90% of advertised fuel capacity.

Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Princess V48

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Princess

LOA: 50'10"

Model: Princess V48

Beam: 13'6"

Model Year: 2014

Draft: 3'9"

Boat Type: Cruiser

Displacement: 39,020 lb.

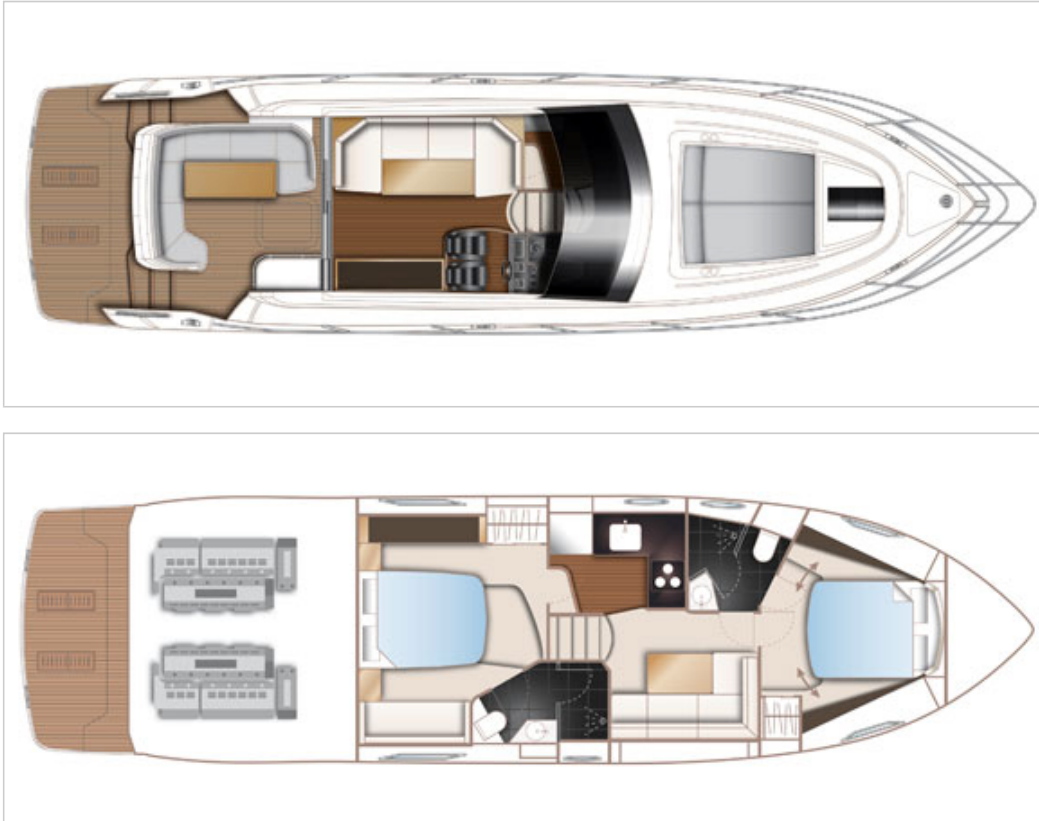
Standard Power: 2/435-mhp Volvo Penta IPS600 diesel pod drives

Optional Power: none

Fuel Capacity: 330 gal.

Water Capacity: 80 gal.

Layout Diagram



STANDARD EQUIPMENT

air conditioning
cockpit wet bar w/ electric grill
13.5-kW genset
dockside TV and phone outlets
holding tank system w/ dockside and overboard discharge
Hubbel 50-amp shore power cord
linens and pillows
second entrance to forward head
Simrad RS 87 VHF
29" LED TV in master
Garmin autopilot, radar, and multigauge
cutlery, glassware, and china for six.

OPTIONAL EQUIPMENT

Noteworthy Options: Reverso oil-change system for mains and genset
Side Power bow thruster
hi-lo cockpit table w/ fill cushion
scissors berth in forward cabin
electro-hydraulic swim platform
Glendinning Cablemaster
Charles Industries voltage stabilizer transformer
cockpit ice maker

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BOATS

BOAT TESTS

Princess V48

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

Air temperature: 72°F; humidity: 55%; wind: 15-18 mph; seas 3'-4'

LOAD DURING BOAT TEST

264 gal. fuel, 80 gal. water, 9 people, 500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/435-mhp Volvo Penta IPS600 diesel pod drives

Transmission/Ratio: Volvo Penta, 2.34:1 gear ratio

Props: Volvo Penta IPS T3 propset

Price as Tested: \$1,366,815

The Numbers

Princess V48 - Final Boat Test Numbers:

RPM	Knots	GPH	Range	dB(A)
1000	4.9	1.4	1,033	63
1500	8.6	5.3	482	64
2000	10.2	11.9	254	65
2500	14.6	21.4	203	70
3000	21.1	33.0	190	71
3500	31.1	44.4	208	75

Speeds are two-way averages measured by onboard GPS. GPH taken from Volvo Penta display. Range is based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Back Cove 34

By [Eric Colby](#)



Boat Tests

SPECIFICATIONS

Builder: Back Cove

LOA: 34'4"

Model: Back Cove 34

Beam: 12'0"

Model Year: 2013

Draft: 3'1"

Boat Type: Down East

Displacement: 16,000 lb.

Standard Power: 1/380-mhp Cummins QSB5.9
diesel

Optional Power: 1/435-mhp Volvo Penta D6 diesel

Fuel Capacity: 185 gal.

Water Capacity: 80 gal.



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BOAT TESTS

Back Cove 34

By [Eric Colby](#)



CONDITIONS DURING BOAT TEST

Air temperature: 41°F; humidity: 50%; seas: calm

LOAD DURING BOAT TEST

185 gal. fuel, no water; 2 persons; 250 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 1/480-mhp Cummins QSB5.9 diesel

Transmission/Ratio: ZF 85A, 2.5:1 ratio

Props: 24 x 31.5 ZF FPS 4-blade NiBrAl

Price as Tested: \$375,000

The Numbers

Back Cove 34 - Final Boat Test Numbers:

RPM	Knots	GPH	Range	dB(A)
700	4.7	0.4	1,956	67
1000	6.4	1.2	888	78
1500	8.3	3.6	384	73
2000	12.1	8.5	237	76
2500	18.2	12.7	239	82
3000	24.7	19.2	214	83
3340	28.3	25.1	188	83



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BOATS

BOAT TESTS

Galeon 420 Fly

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Galeon

LOA: 43'0"

Model: Galeon 420 Fly

Beam: 13'6"

Model Year: 2013

Draft: 3'8"

Boat Type: Cruiser

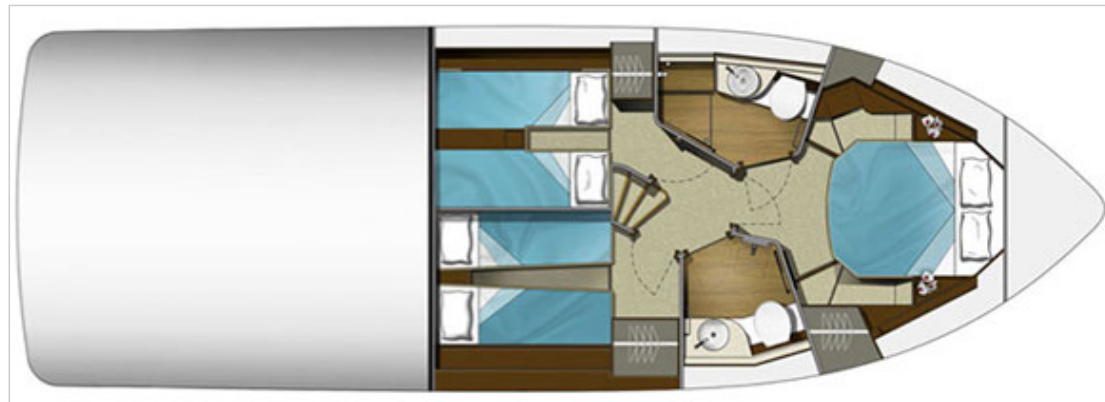
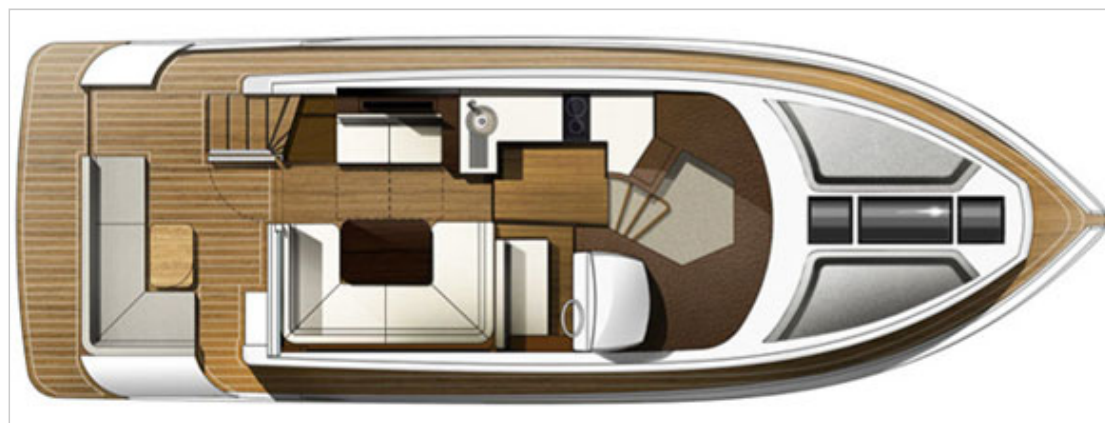
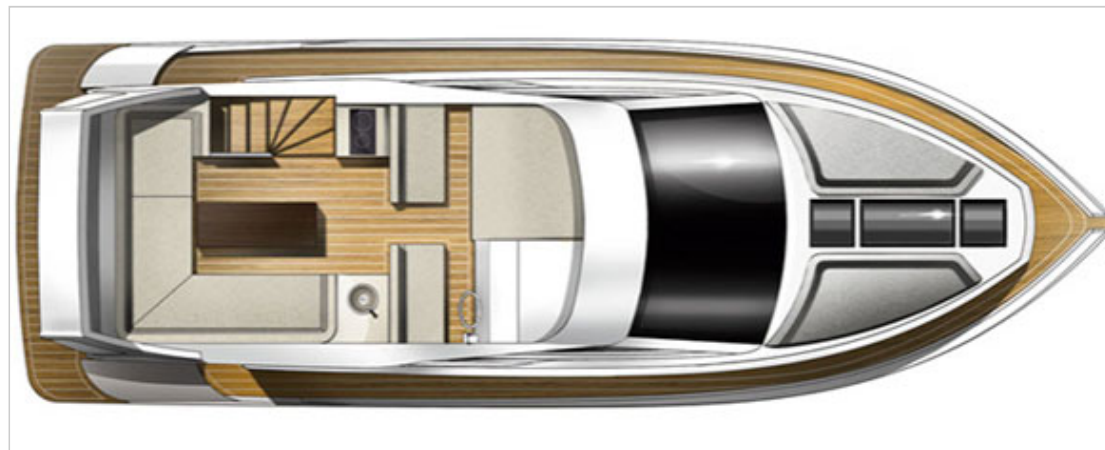
Displacement: 33,000 lb. (wet)

Optional Power: Various Volvo Penta stern drive, shaft, and pod configurations

Fuel Capacity: 290 gal.

Water Capacity: 119 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Interior wenge matte paint (\$13,976)
bimini top (\$9,188)
hydraulic swim platform w/ teak (\$37,117).

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BOATS

BOAT TESTS

Galeon 420 Fly

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 86°F; humidity: 60%; seas: 3-4'

LOAD DURING BOAT TEST

109 gal. fuel, 0 gal. water, 2 persons, 20 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/425-mhp Cummins Marine QSB 5.9 diesels

Transmission/Ratio: ZF80A, w/ 1.96:1 gear ratio

Props: 23 x 29 copper-aluminum alloy Clements 4-blades

Price as Tested: \$679,895

The Numbers

Galeon 420 Fly - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	6.5	2.8	606	64
1500	8.7	8.8	258	69
2000	12.9	21.0	160	71
2500	20.5	34.4	156	77
2750	24.9	42.5	153	80

Speeds are two-way averages measured w/ GPS display. GPH estimates via Cummins display. Range is based on 90% of advertised fuel capacity. Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.





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BOATS

BOAT TESTS

Ocean Alexander 120

By [Chris Caswell](#)



Boat Tests

SPECIFICATIONS

Builder: Ocean Alexander

LOA: 121'2"

Model: Ocean Alexander 120

Beam: 25'2"

Model Year: 2013

Draft: 6'6"

Boat Type: Megayacht

Displacement: 420,000 lb.

Generators 2/76-kW Caterpillars

Standard Power: 2/1,450-bhp MTU 12V 2000 M72

Watermaker 2/1,200 gpd FCI

Fuel Capacity: 6,000 gal.

Water Capacity: 1,200 gal.

Layout Diagram



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BOATS

BOAT TESTS

Ocean Alexander 120

By [Chris Caswell](#)



TEST BOAT SPECIFICATIONS

Transmission/Ratio: ZF 3050 with 3.28:1 gear ratio

Props: 48 x 40 5-blade Nibral Veemstar

Price as Tested: \$19,900,000

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BOATS

BOAT TESTS

Hinckley Talaria 40 - Fog Dog

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Hinckley

LOA: 40'1"

Model: Talaria 40

Beam: 12'5"

Model Year:

Fuel Capacity: 340 gal.

Boat Type: Downeast

Water Capacity: 100 gal.

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BOATS

BOAT TESTS

Hinckley Talaria 40 - Fog Dog

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 58°F; humidity: 96%; wind: 5-8 knots; seas: 1-2'

LOAD DURING BOAT TEST

150 gal. fuel, 50 gal. water, 4 persons, 200 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/435-mhp Volvo Penta IPS600s

Transmission/Ratio: IPS-F/1.82:1 ratio

The Numbers

Hinckley Talaria 40 - Fog Dog - Final Boat Test Numbers:

Note that while the range numbers here are somewhat unrealistic at the lower rpm (there's little chance one would operate the Talaria 40 at idle speed for more than 2,000 nautical miles, for example), the mid-roster rpm efficiencies and range numbers are generally high, meaning the boat can be efficiently, comfortably cruised, with optimum running attitudes, throughout a hefty range of speeds. Sound levels were high, not unsurprisingly considering the engines on the Talaria, although they're sound insulated, are ensconced in engine boxes just abaft the helm station.

RPM	KNOTS	GPH	RANGE	dB(A)	ANGLE
600	4.7	0.7	2,055	64	0.0
1000	7.2	1.5	1,469	64	0.5
1500	10.1	6.4	483	70	3.0
2000	15.9	12.8	380	74	4.0
2500	23.5	19.0	378	75	4.5
3000	31.3	27.5	348	78	4.5
3200	34.2	32.0	327	79	4.0
3500	38.4	40.5	290	81	4.0
3540	39.6	43.5	279	81	4.0

Speeds are two-way averages measured w/ Racelogic VBox data logger. GPH estimates taken via Volvo Penta display. Range based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

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BOATS

BOAT TESTS

Carver C34

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Carver

LOA: 35'6"

Model: Carver C34

Beam: 13'0"

Model Year: 2013

Draft: 3'6"

Boat Type: Cruiser

Displacement: 18,000 lb.

Generator 7.5-kilowatt Kohler (gas)

Standard Power: 2/300-bhp MerCruiser 5.7 Horizon DTS gasoline inboards

Optional Power: 2/300-mhp Volvo Penta D4 diesel inboards

Fuel Capacity: 250 gal.

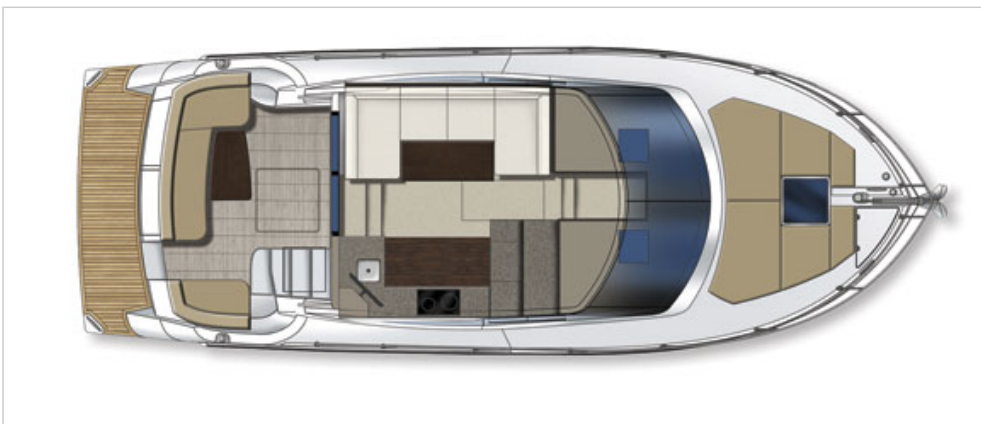
Water Capacity: 90 gal.

Layout Diagram



Better Boat: One Helm or Two?

Designers of the Carver C34 created two layouts for the boat: one with just the flying-bridge helm and one with a lower helm station in the saloon. This may not seem revolutionary—other builders do the same—but it does show an appreciation for smart use of space. Only the prospective owner can decide if the addition, or subtraction, of the lower helm makes sense for him. — *Jason Y. Wood*



OPTIONAL EQUIPMENT

Noteworthy Options: 7.5-kilowatt Kohler gasoline generator (\$12,765)
freshwater washdown (\$380)
low-profile windlass (\$3,445)

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BOATS

BOAT TESTS

Carver C34

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

75°F; humidity: 85%; wind: 10 mph; seas: 2-3'

LOAD DURING BOAT TEST

125 gal. fuel, 90 gal. water, 4 people, 50 lb. gear

TEST BOAT SPECIFICATIONS

Test Engine: 2/300-bhp MerCruiser 5.7 Horizon DTS gasoline inboards

Transmission/Ratio: ZF 63, 2.5:1 gear ratio

Props: 20 x 21 3-blade nibrals

Price as Tested: \$373,665

The Numbers

Carver C34 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	4.8	2.8	388	58
1500	6.5	4.7	312	68
2000	8.0	7.3	248	68
2500	9.3	11.7	179	69
3000	11.0	17.9	139	72
3500	16.2	22.3	164	74
4000	21.1	30.1	158	76
4500	25.6	39.5	146	76
4800	28.0	45.9	137	75

Range based on 90% of advertised fuel capacity. Decibels measured at the upper helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: 7.5-kilowatt Kohler gasoline generator (\$12,765)

freshwater washdown (\$380)

low-profile windlass (\$3,445)

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BOATS

BOAT TESTS

Belize 54

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Belize Motoryachts

LOA: 52'10"

Model: Belize 54

Beam: 16'6"

Model Year: 2013

Draft: 3'6"

Boat Type: Cruiser

Displacement: 42,000 lb. (dry)

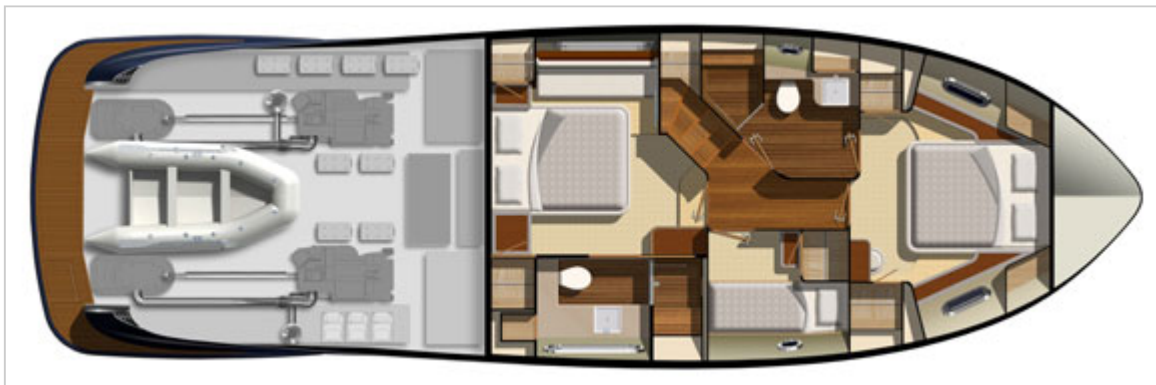
Standard Power: 2/600-mhp Cummins Marine QSC8.3 diesels w/ Zeus pods

Optional Power: N/A

Fuel Capacity: 634 gal.

Water Capacity: 185 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Metallic hull paint, \$26,760
Full cockpit awning on oval stainless steel tube,\$16,739
Fisher and Paykel Dishwasher, \$1,950.

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BOATS

BOAT TESTS

Belize 54

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 65°F; humidity: 30%; seas: flat

LOAD DURING BOAT TEST

317 gal. fuel, 93 gal. water, 5 persons, 1,500 lb. gear

TEST BOAT SPECIFICATIONS

Test Engine: 2/600-mhp Cummins Marine QSC8.3 diesels w/ Zeus pods

Transmission/Ratio: Cummins Zeus, w/ 1.21:1 ratio

Props: Cummins M8 Zeus

Price as Tested: \$1,610,000

The Numbers

Belize 54 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	4.7	1.1	2,600	66
1000	7.3	3.3	1,346	64
1500	10.1	10.2	602	67
2000	12.4	24.4	309	71
2500	21.2	38.0	339	77
2930	28.2	60.8	282	76

Speeds are two-way averages measured w/ GPS display. GPH estimates via Cummins display.

Range based on 90% of advertised fuel capacity.

Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Metallic hull paint, \$26,760

Full cockpit awning on oval stainless steel tube,\$16,739

Fisher and Paykel Dishwasher, \$1,950.

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BOATS

BOAT TESTS

Astondoa 72 GLX

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity: 60%; seas: 0-1'

LOAD DURING BOAT TEST

850 gal. fuel, 350 gal. water, 2 persons, 200 lb. gear

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,224-horsepower MAN V12-1224 diesels

Transmission/Ratio: ZF 550 A /1.91:1 ratio

Props: Radice 4-blades, 31.5 x 47.2

Price as Tested: Upon request

The Numbers

Astondoa 72 GLX - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	6.3	2.6	2,534	68
1000	9.3	15.0	648	65
1500	10.7	40.0	280	67
2000	20.8	74.0	294	74
2300	25.4	116.0	229	77

Speeds are two-way averages measured w/ Raymarine display. GPH estimates taken via MAN display. Range based on 90% of advertised fuel capacity.

Sound levels measured at lower helm. 65 dB(A) is the level of normal conversation.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Seakeeper Gyro, Alfa Laval centrifuge, automatic touchscreen system to control lighting, etc.

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BOATS

BOAT TESTS

Astondoa 72 GLX

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Astondoa

LOA: 73'0"

Model: Astondoa 72 GLX

Beam: 18'8"

Model Year: 2013

Draft: 4'6"

Boat Type: Cruiser

Displacement: 107,000 lb. (dry)

Optional Power: 2/1,360-horsepower-MAN V12-1360 diesels; 3/900-hp Volvo Penta IPS1200s

Fuel Capacity: 1,162 gal.

Water Capacity: 400 gal.



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BOATS

BOAT TESTS

Azimut Magellano 43

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Azimut

LOA: 44'9"

Model: Magellano 43

Beam: 14'5"

Model Year: 2013

Draft: 3'5" (to keel)

Boat Type: Passagemaker

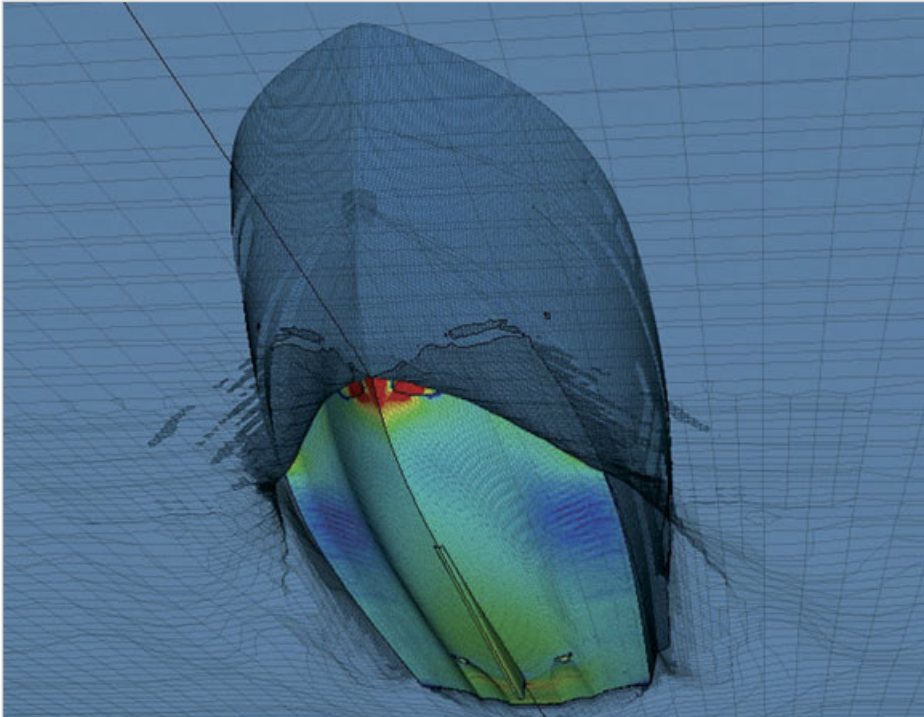
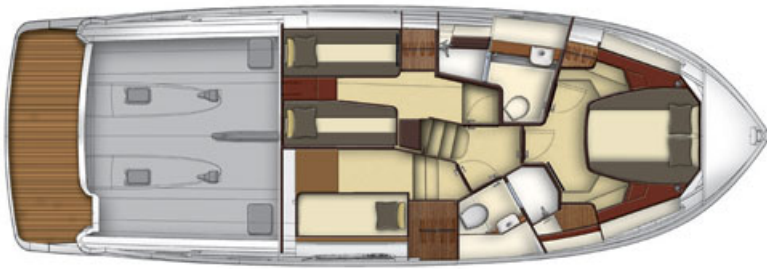
Displacement: 13.6 tons (dry)

Standard Power: 2/305-mhp Cummins QSB5.9 diesel inboards

Fuel Capacity: 444 gal.

Water Capacity: 158 gal.

Layout Diagram



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BOATS

BOAT TESTS

Azimut Magellano 43

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

Air Temperature: 75°F; humidity: 55%; wind 4-9 knots; seas: 2-3'

LOAD DURING BOAT TEST

110 gal. fuel, 158 gal. water, 2 people, 100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/355-mhp Cummins QSB5.9 diesel inboards

Transmission/Ratio: ZF85-IV, 2.01:1 gear ratio

Props: 23 5/8 x 26 3/4 four-blade nibral

Price as Tested: \$840,000

The Numbers

Magellano 43 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	7.4	2.6	1,137	68
1250	8.2	3.6	910	70
1500	9.3	6.2	599	72
1750	10.3	11.8	349	72
2000	12.6	17.8	283	74
2250	15.6	21.4	291	75
2500	18.1	26.6	272	75
2850	22.3	36.0	248	76

Speeds are two-way averages measured with onboard GPS. GPH taken via Cummins display. Range in nautical miles based on 90% of advertised fuel capacity.

Sound levels measured at the lower helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Telescoping passarelle (\$17,800)

6.3-kW Side Power bow thruster (\$6,900)

Raymarine Gold Electronics package, including Raymarine c125 multifunction display, 4-kW radome, VHF 240, and p70R autopilot (\$18,200)
teak decking (\$13,350).



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BOATS

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Princess V62-S

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Princess V62-S

LOA: 63'6"

Model: Princess

Beam: 16'5"

Model Year: 2013

Draft: 4'6"

Boat Type: Cruiser

Displacement: 65,036 lb.

Optional Power: 2/1,015-mhp Caterpillar C18
diesels; 2/1,217-mhp MTU 8V 2000 M93 diesels

Fuel Capacity: 901 gal.

Water Capacity: 132 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Variable bow-and-stern-thruster system (\$22,315)
full Furuno navigation package (\$20,000)
leather interior upgrade (\$11,095)
electrically actuated sun awning over cockpit (\$24,595)

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BOATS

BOAT TESTS

Princess V62-S

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 78°F; humidity: 50%; seas: 3-4'

LOAD DURING BOAT TEST

450 gal. fuel, 132 gal. water, 2 persons.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,150-mhp Caterpillar C18 diesels

Transmission/Ratio: ZF 550A, 1.971:1

Props: Veem 5-blade

Price as Tested: \$2,900,000

The Numbers

Princess V62-S - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
640	8.1	N/A	N/A	63
1000	11.5	13.2	707	69
1500	19.0	43.8	352	70
2000	30.0	92.0	265	76
2300	34.5	116.0	241	78

Speeds are two-way averages measured w/ Furuno GPS sensor. GPH estimates taken via Caterpillar display. Range is 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Bruckmann Yachts Abaco 40

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Bruckmann Yachts

LOA: 39'3"

Model: Abaco 40

Beam: 12'9"

Model Year: 2013

Draft: 3'11"

Boat Type: Downeast

Displacement: 19,000 lb.

Optional Power: 1/610-mhp Cummins QSM11 diesel inboard; 2/300-mhp Volvo Penta IPS400s

Fuel Capacity: 300 gal.

Water Capacity: 55 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: 6-kW Onan generator (\$15,200)
upgrade to 670-mhp Cummins QSM11 diesel inboard (\$8,500)
thruster upgrade to variable speed, both bow and stern (\$13,270)
teak decking in cockpit (\$8,200)
16,000-Btu Cruisair AC for pilothouse (\$9,200)
2/8,000-Btu Cruisair AC for interior (\$16,800).

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BOATS

BOAT TESTS

Bruckmann Yachts Abaco 40

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity 80%; seas: calm

LOAD DURING BOAT TEST

60 gal. fuel, 75 gal. water, 3 persons, 100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 1/670-mhp Cummins QSM11 diesel inboard

Transmission/Ratio: ZF325A, 1.49:1 ratio

Props: 25 x 26 5-blade ZF

Price as Tested: \$850,000

The Numbers

Bruckmann Yachts Abaco 40 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	6.1	1.2	1,372	67
1000	8.8	4.6	517	74
1250	10.9	8.4	350	74
1500	16.4	12.0	369	76
1750	19.0	19.7	260	79
2000	24.4	22.8	289	82
2350	27.7	33.7	222	85

Speeds are two-way averages measured w/ Furuno GPS sensor. GPH estimates taken via Cummins display. Range based on 90% of advertised fuel capacity.

Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.





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BOATS

BOAT TESTS

Cheoy Lee Bravo 88

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Cheoy Lee

LOA: 88'11"

Model: Cheoy Lee Bravo 88

Beam: 22'6"

Model Year: 2013

Draft: 5'5"

Boat Type: Cruiser

Displacement: 174,165 lb.

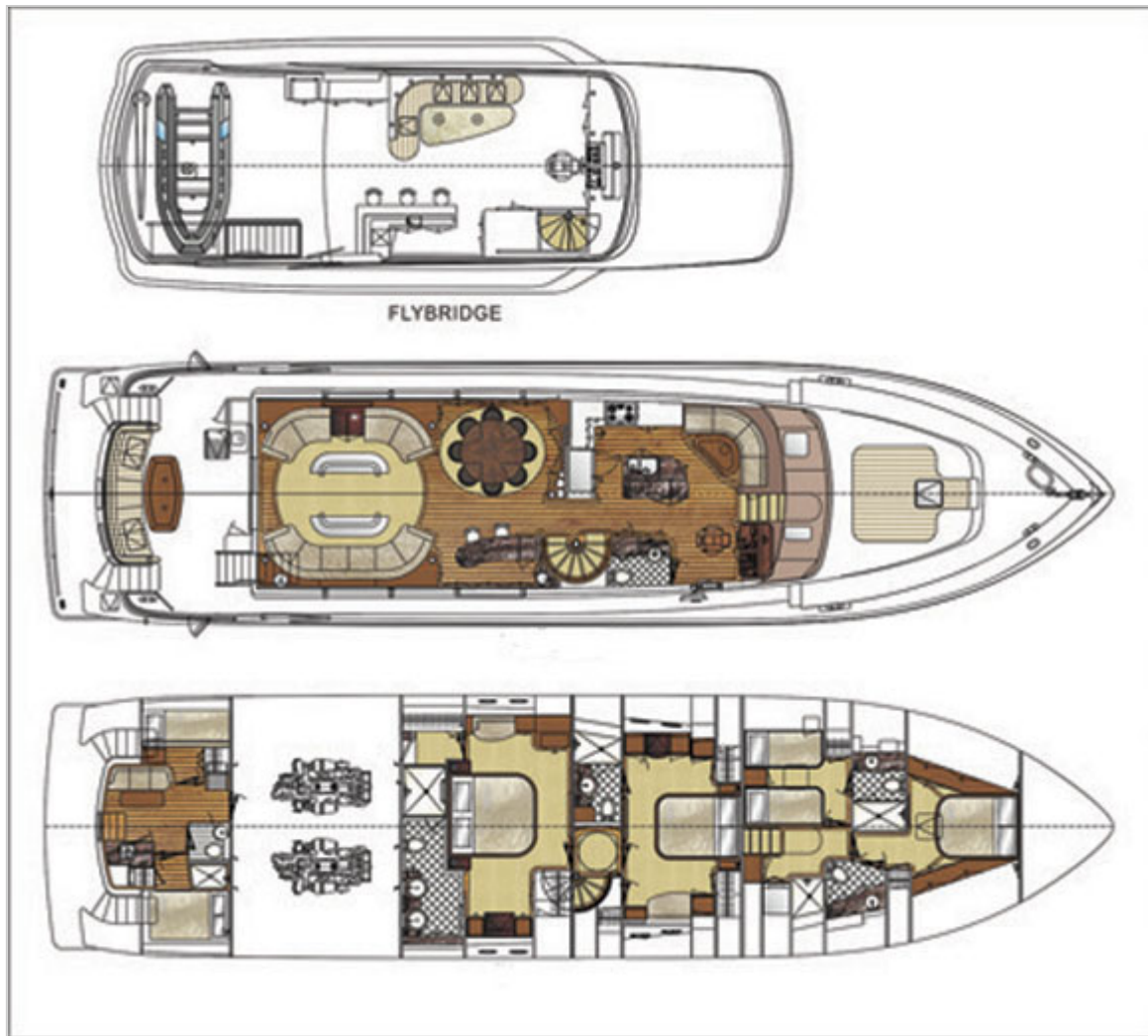
Generator 2/27-kW Onans

Optional Power: 2/1,136-bhp Caterpillar C18 ACERT diesel inboards; 2/1,700-bhp Caterpillar C32 ACERT diesel inboards

Fuel Capacity: 3,011 gal.

Water Capacity: 845 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: Caterpillar upgrade (\$300,000)
ZF Joystick Maneuvering System (\$31,000)
Naiad stabilizers with 2/genset PTOs (\$67,460)
Naiad bow thruster upgrade from 38 hp to 62 hp (\$34,460)
upgrade to 40-kW Kohler gensets (\$34,460)
electronics package (\$135,200).

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Cheoy Lee Bravo 88

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 60°F; humidity 55%; wind: 15-20 knots; seas: 4-6'

LOAD DURING BOAT TEST

1,500 gal. fuel, 420 gal. water, 4 persons, 1,000 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,900-bhp Caterpillar C32 ACERT diesel inboards

Transmission/Ratio: ZF3050A, 2.52:1 ratio

Props: 40 x 50 5-blade Hung Shen

Price as Tested: \$6,605,080

The Numbers

Cheoy Lee Bravo 88 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	10.1	22.6	1,211	59
1250	12.8	40.6	854	62
1500	16.0	74.2	584	64
1750	19.6	103.6	513	66
2000	23.6	146.4	437	69
2330	27.1	199.0	369	72

Speeds are two-way averages measured w/ Furuno GPS sensor. GPH estimates taken via Caterpillar display. Range based on 90% of advertised fuel capacity. Sound levels measured at helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Stingray

By [Dennis Caprio](#)

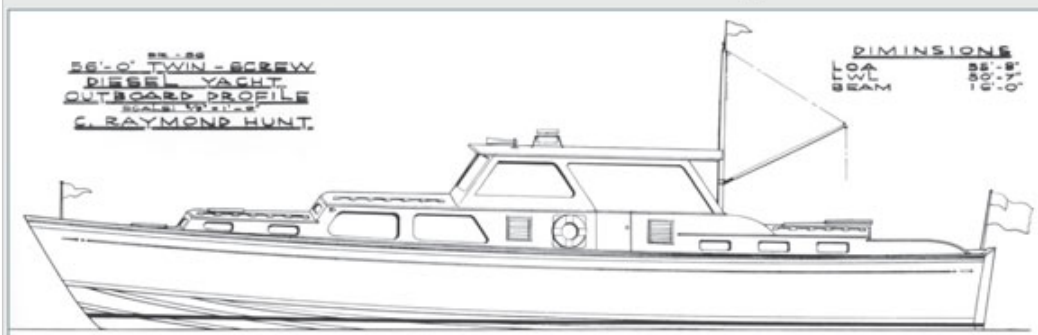


Boat Tests

SPECIFICATIONS

Builder:	LOA: 55'7"
Model: Stingray	Beam: 16'0"
Model Year: 1964	Draft: 4'0"
Boat Type:	Displacement: 53,000 lb.
	Standard Power: 2/593-hp Cummins QSC 8.3-600
	Fuel Capacity: 1,000 gal.
	Water Capacity: 350 gal.

Better Boat: Follow the Specs



Back to Basics C.

Raymond Hunt's original specs (top) were not followed to the letter when she was launched (above, middle), but a Brooklin Boat Yard refit (above) brought her closer.

Wharton Shipyard built *Stingray* of double and triple diagonal wood planking, but Peter Boyce of C. Raymond Hunt Associates said that the yard ignored Ray Hunt's scantlings. His construction drawings specified sawn frames rabbeted into a substantial keelson, which would have created a stiff, strong and lightweight hull. The yard skimmed on the keelson and used steam-bent ribs. During the most recent refit (2010-2011) at Brooklin Boat Yard in Brooklin, Maine, she received a new longitudinal girder, stiffening the hull to match, or exceed, Hunt's original specs. Four laminated mahogany stringers running the full length of the bottom further stiffen the hull and serve as engine beds. At her first major refit at Renaissance Yachts in Thomaston, Maine (1989-1990), she received a layer of Bruynzeel mahogany plywood strips set in epoxy resin. For all intents and purposes, she's a composite structure.

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Stingray

By [Dennis Caprio](#)



CONDITIONS DURING BOAT TEST

Seas: 2-4'; wind: 10-15 knots

TEST BOAT SPECIFICATIONS

The Numbers

Stingray - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
620	4.6	1.4	2,957	71
900	6.5	2.8	2,089	75
1200	8.4	5.4	1,400	78
1500	10.0	11.0	818	79
1800	11.6	22.0	475	81
2100	12.6	30.0	378	83
2400	16.0	40.0	360	83
2700	19.5	58.0	303	85
2800	20.0	62.0	290	85

Speeds are measured with GPS. GPH estimates taken via the Cummins Electronic monitoring system. Range is in nautical miles based on 90% of advertised fuel capacity. Sound levels measured at the helm with the enclosure open.

65 dB(A) is the level of normal conversation.

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BOATS

BOAT TESTS

Grand Banks 55 Eastbay FB

By [George Sass Jr.](#)



Boat Tests

SPECIFICATIONS

Builder: Grand Banks

LOA: 55'1"

Model: Grand Banks 55 Eastbay FB

Beam: 16'4"

Model Year: 2013

Draft: 5'2"

Boat Type: Downeast

Displacement: 69,500 lb.

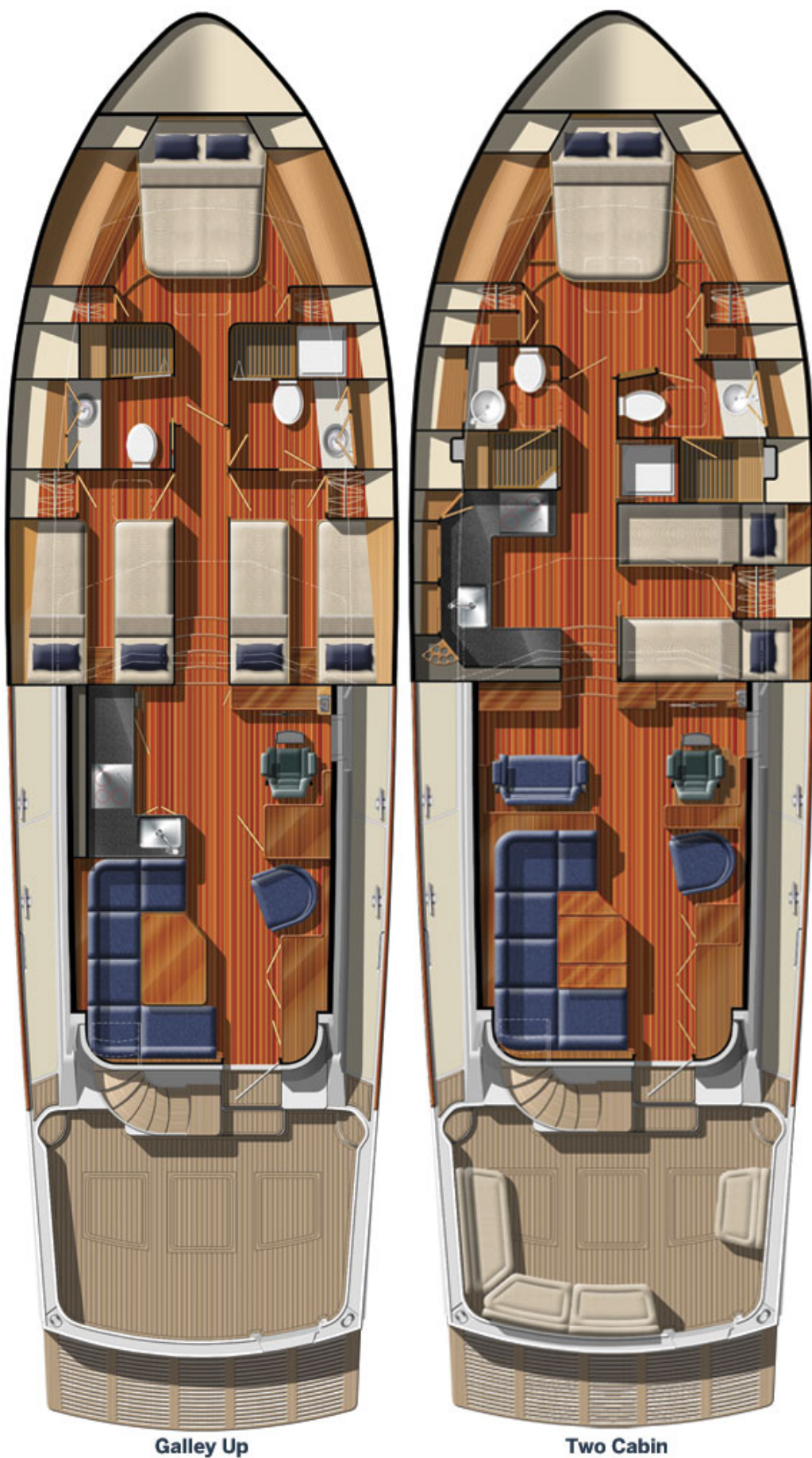
Standard Power: 2/885-mhp Cat C18 ACERT diesels

Optional Power: 2/1,050-mhp Cat C18 ACERT diesels; 2/836-mhp MTU S60 diesels

Fuel Capacity: 1,000 gal.

Water Capacity: 180 gal.

Layout Diagram



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BOAT TESTS

Grand Banks 55 Eastbay FB

By [George Sass Jr.](#)



CONDITIONS DURING BOAT TEST

Air temperature: 85°F; humidity: 74%; seas: 1-2', light chop

LOAD DURING BOAT TEST

full fuel; full water; 11 persons, extra gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,150-mhp Caterpillar C18 ACERT diesels

Transmission/Ratio: ZF 550A w/1.971:1 ratio

Props: 33 x 41.5, 5-Blade

The Numbers

Grand Banks 55 Eastbay FB - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE
1700	22.5	63.0	315
1900	26.6	77.0	292
2100	30.3	91.0	270
2300	33.0	114.0	231
2360	34.2	115.0	239

Speeds are two-way averages measured with GPS. GPH taken from Caterpillar engine display. Range is nautical miles based on 90% of advertised fuel capacity.



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BOATS

BOAT TESTS

Tiara 3900 Coronet

By [Jason Y. Wood](#)



Boat Tests

SPECIFICATIONS

Builder: Tiara

LOA: 41'11"

Model: Tiara 3900 Coronet

Beam: 15'0"

Model Year: 2013

Draft: 3'6"

Boat Type: Cruiser

Displacement: 24,500 lb.

Generator 9-kW Onan

Optional Power: 2/550-mhp Cummins QSC8.3
diesels

Fuel Capacity: 535 gal.

Water Capacity: 120 gal.



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BOATS

BOAT TESTS

Tiara 3900 Coronet

By [Jason Y. Wood](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity: 74%; seas: 1-2'

LOAD DURING BOAT TEST

379 gal. fuel; 120 gal. water; 11.4 gal. in holding tank, 3 persons, 150 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/480-mhp Cummins QSB6.7 diesels

Transmission/Ratio: Transmissions: ZF 85A, 2.50:1 gear ratio

Props: 24x33 4-blade

The Numbers

Tiara 3900 Coronet - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	7.0	2.4	1,404	72
1500	9.1	7.2	609	78
2000	12.0	18.0	321	86
2500	18.5	26.4	337	85
3000	25.6	40.0	308	85
3320	30.1	50.8	285	89

Speeds are two-way averages measured with Garmin GPSMap 478. GPH taken from Cummins SmartCraft VesselView display. Range in nautical miles based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: ACR RCL remote spotlight (\$2,780), teak-inlay swim platform with built-in ladder (\$11,400), cockpit sunshade (\$2,920), teak-and-holly cabin sole (\$3,560).

On Location

Better Boat: Top to Bottom



The hardtop on the Tiara 3900

Coronet sports a high level of fit and finish, and its design works on a number of levels. The top provides great headroom to seated and standing passengers, and also has built-in lighting, skylights, vent hatches, and nicely joins an artfully curved windshield with a temper that worked well with my polarized sunglasses. The pillars are big enough to give you confidence in its sturdy structure, while lending a bit of privacy to the bridgedeck at the dock. There's even an optional cockpit sunshade that mounts to the aft edge. But all this works that much better because the top just fits with the overall design of the boat.

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BOATS

BOAT TESTS

Riva 63 Virtus

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Riva

LOA: 64'2"

Model: Riva 63 Virtus

Beam: 15'9"

Model Year: 2013

Draft: 5'3"

Boat Type: Cruiser

Displacement: 61,068 lb.

LWL 62'5"

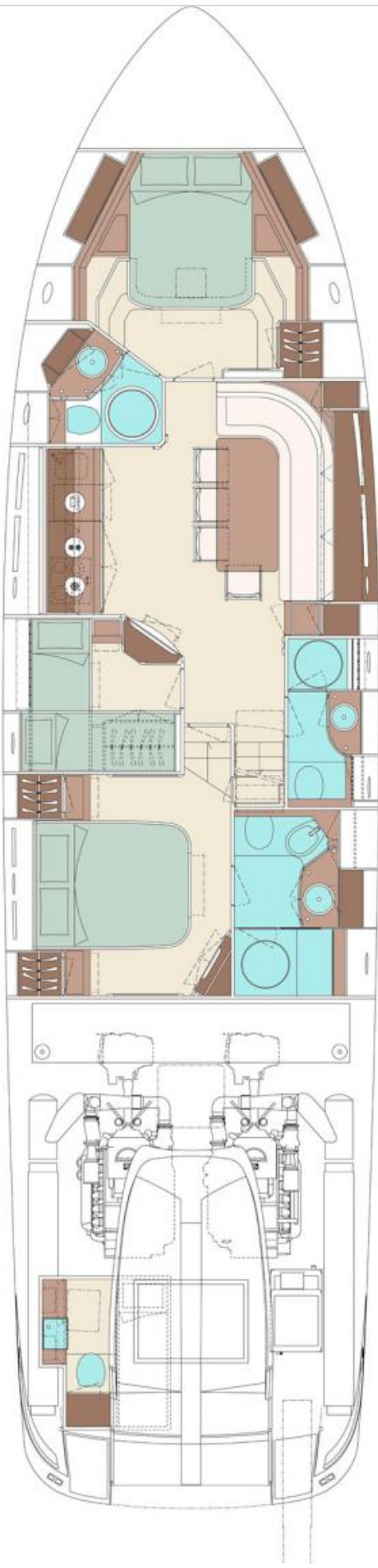
Standard Power: 2/1,360-mhp MAN V12-1360s

Generator 13-kW Kohler 20-EOZD

Optional Power: none

Fuel Capacity: 845 gal.

Water Capacity: 174 gal.



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BOATS

BOAT TESTS

Riva 63 Virtus

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature: 77°F; humidity: 54%; seas: 3' swell w/ chop

LOAD DURING BOAT TEST

550 gal. fuel, 70 gal. water, 12 persons, 400 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,360-mhp MAN V12-1360s

Transmission/Ratio: ZF 665 V10° gears w/ 1.757:1 ratio

Props: 29.5 x 45.7 5-blade Rolla

Price as Tested: Upon request

The Numbers

Riva 63 Virtus - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	11.0	24.8	337	71
1250	15.3	43.6	267	73
1500	21.0	58.1	275	74
1750	28.0	80.8	263	78
2000	33.2	105.9	238	79
2300	39.0	137.1	216	80

Speeds are two-way averages measured w/ Raymarine GPS display. GPH taken via MAN display. Range is based on 90% of advertised fuel capacity. Sound levels measured at helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Maritimo M50

By [Capt. Richard Thiel](#)



Boat Tests

SPECIFICATIONS

Builder: Maritimo Yachts

LOA: 53'0"

Model: Maritimo M50

Beam: 17'0"

Model Year: 2013

Draft: 4'3"

Boat Type: Cruiser

Displacement: 48,502 lb.

Generator 1/21-kW Onan

Optional Power: 2/600-bhp Caterpillar C12s; 2/705-bhp Caterpillar C12 ACERTs; 2/715-mhp Cummins QSM11s; 2/800-mhp Volvo Penta D13-800s

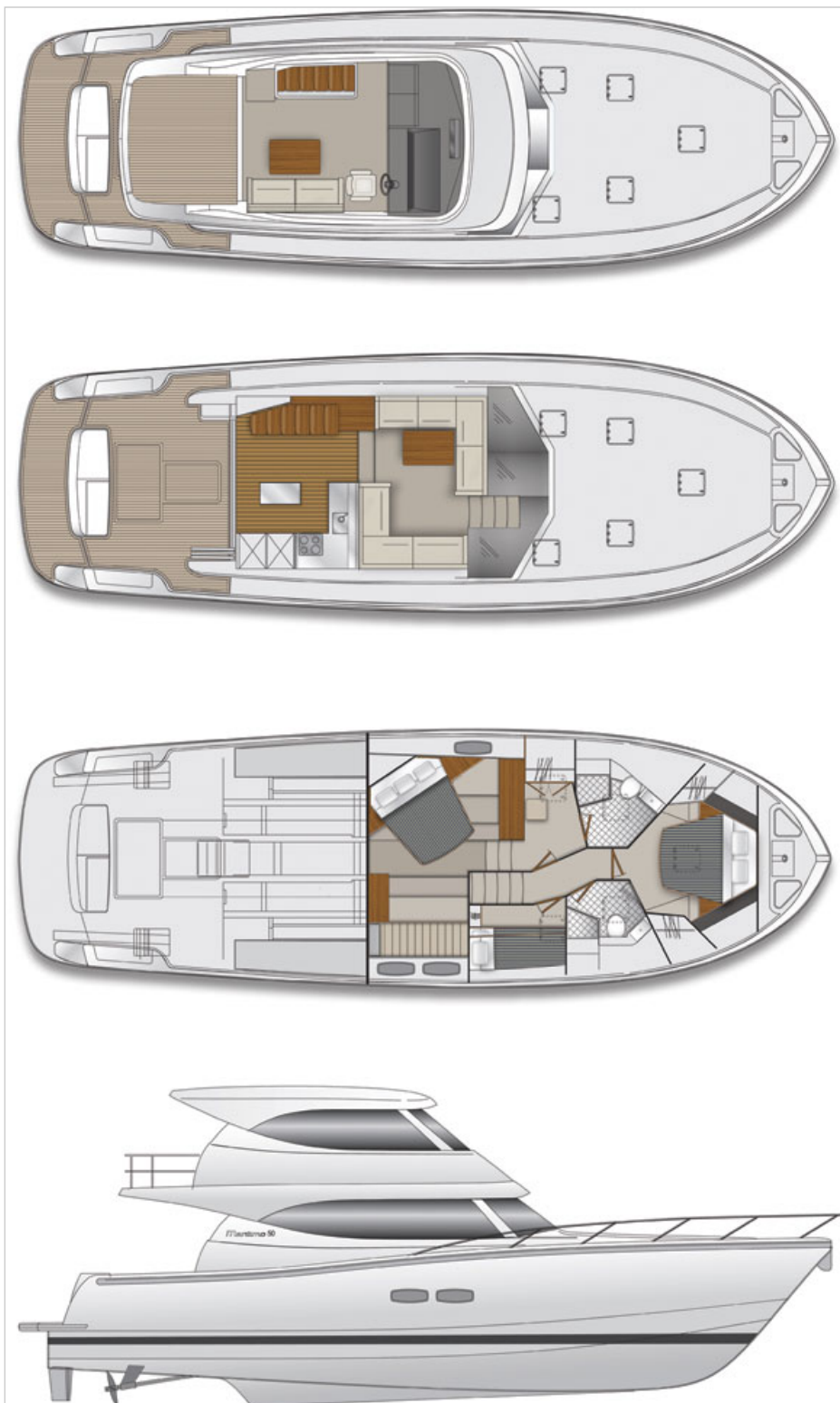
Cruising Speed 19.1 knots

Top Speed 27.8 knots

Fuel Capacity: 1,000 gal.

Water Capacity: 211 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Fisher & Paykel dishwasher (\$1,995)

Glendinning CableMaster (\$3,900)

Stidd helm seats (\$6,900)

teak decking on balcony and swim platform (\$8,900)

LED underwater lights (\$3,400).

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BOATS

BOAT TESTS

Maritimo M50

By [Capt. Richard Thiel](#)



CONDITIONS DURING BOAT TEST

Air temperature: 77°F; humidity 51%; seas: 3-4'; wind: 8-12 knots

LOAD DURING BOAT TEST

333 gal. fuel, 211 gal. water, 2 persons, 500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/670-mhp Volvo Penta D11-670 diesels

Transmission/Ratio: ZF 305-2A w/ 2.037:1 ratio

Props: 30 x 37 NiBrAl 5-blade

Price as Tested: \$1,545,989

The Numbers

Maritimo M50 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	10.9	8.0	1,223	68
1250	12.2	16.0	685	69
1500	15.7	24.0	587	70
1750	19.1	38.0	453	75
2000	23.5	47.0	450	75
2350	27.8	66.0	379	80

Speeds are two-way averages measured with handheld GPS. GPH taken from Volvo Penta display. Range based on 90% of advertised fuel capacity. Sound levels taken at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Wider 42

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Wider

LOA: 42'0"

Model: Wider 42

Beam: 11'6"

Model Year: 2013

Draft: 2'11"

Boat Type: Cruiser

Displacement: 18,700 lb.

Fuel Capacity: 264 gal.

Water Capacity: 65 gal.

Layout Diagram



OPTIONAL EQUIPMENT

Noteworthy Options: PWC garage
JL audio/video system
Custom metallic paint.

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BOATS

BOAT TESTS

Wider 42

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 78°F; humidity: 40%; seas: 0-1'

LOAD DURING BOAT TEST

140 gal. fuel, 45 gal. water, 2 persons, 100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/480-hp Cummins QSB 5.9 diesels w/ Zeus pod drive

Transmission/Ratio: Twin Disc MG-5061 SC w / 1.48:1 gear ratio

Props: 21.25 x 29 six-blade Rolla props

Price as Tested: \$1,400,000

The Numbers

Wider 42 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1500	7.8	10.0	185	85
2000	9.0	15.0	143	90
2500	29.6	25.0	281	104
3000	42.9	34.0	300	110
3200	48.1	50.0	229	115

Speeds are two-way averages measured w/ Garmin display. GPH estimates taken via Wider multifunction steering-wheel display. Range based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Hunt 44

By [Peter A. Janssen](#)



Boat Tests

SPECIFICATIONS

Builder: Hunt

LOA: 44'3"

Model: Hunt 44

Beam: 14'6"

Model Year: 2013

Draft: 4'0"

Boat Type: Downeast

Displacement: 35,000 lb.

Black Water 40 gal.

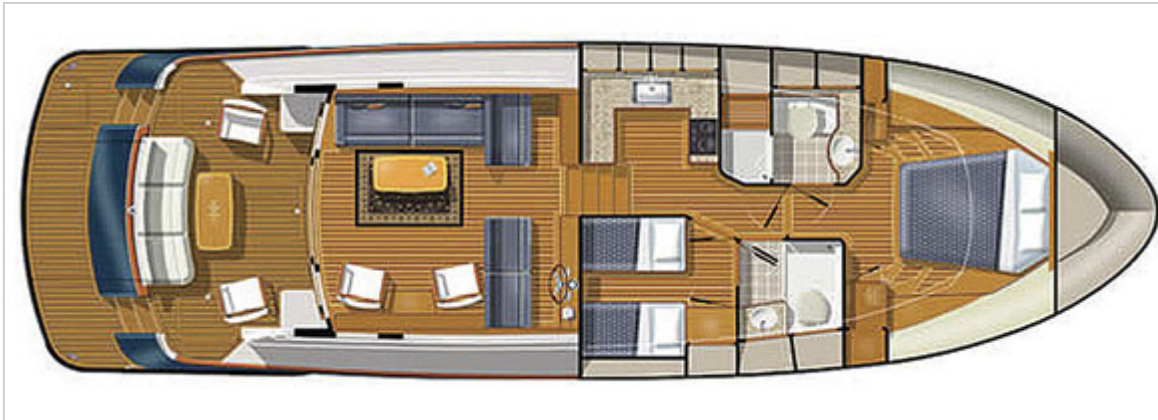
Standard Power: 2/455-bhp Caterpillar C7 ACERT
diesels

Generator 1/11.5-kW Onan

Fuel Capacity: 450 gal.

Water Capacity: 120 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTABLE OPTIONS: Twin 429-bhp Volvo Penta IPS600s (\$38,000)
custom 9-foot Hunt dinghy with 6-hp Yamaha outboard to fit in the garage (\$14,250)
Sea Recovery watermaker (\$24,200)
Kenyon remote-control electric grill (\$4,320).

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BOATS

BOAT TESTS

Hunt 44

By [Peter A. Janssen](#)



CONDITIONS DURING BOAT TEST

Air temperature: 82°F; seas: 1'

LOAD DURING BOAT TEST

280 gal. fuel, 120 gal. water, five persons, 500 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/Volvo Penta 429-bhp IPS600s

Transmission/Ratio: Volvo IPS600s, 1.82:1 gear ratio

Props: T2 propset

Price as Tested: \$1,413,400

The Numbers

Hunt 44 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	5.2	1.6	1,316	64
1500	7.3	5.7	518	67
2000	9.6	12.0	324	68
2500	13.9	22.0	255	73
3000	17.7	31.0	231	74
*3380	26.0	42.0	250	78

Speeds are two-way averages measured with Garmin GPS. GPH taken from Volvo Penta display and Garmin. Range based on 90 percent of advertised fuel capacity. Sound levels measured at the helm; 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Hargrave 76

By [Jason Y. Wood](#)



Boat Tests

SPECIFICATIONS

Builder: Hargrave

LOA: 76'0"

Model: Hargrave 76 Flushdeck

Beam: 20'0"

Model Year: 2013

Draft: 5'5"

Boat Type: Cruiser

Displacement: 126,780 lb.

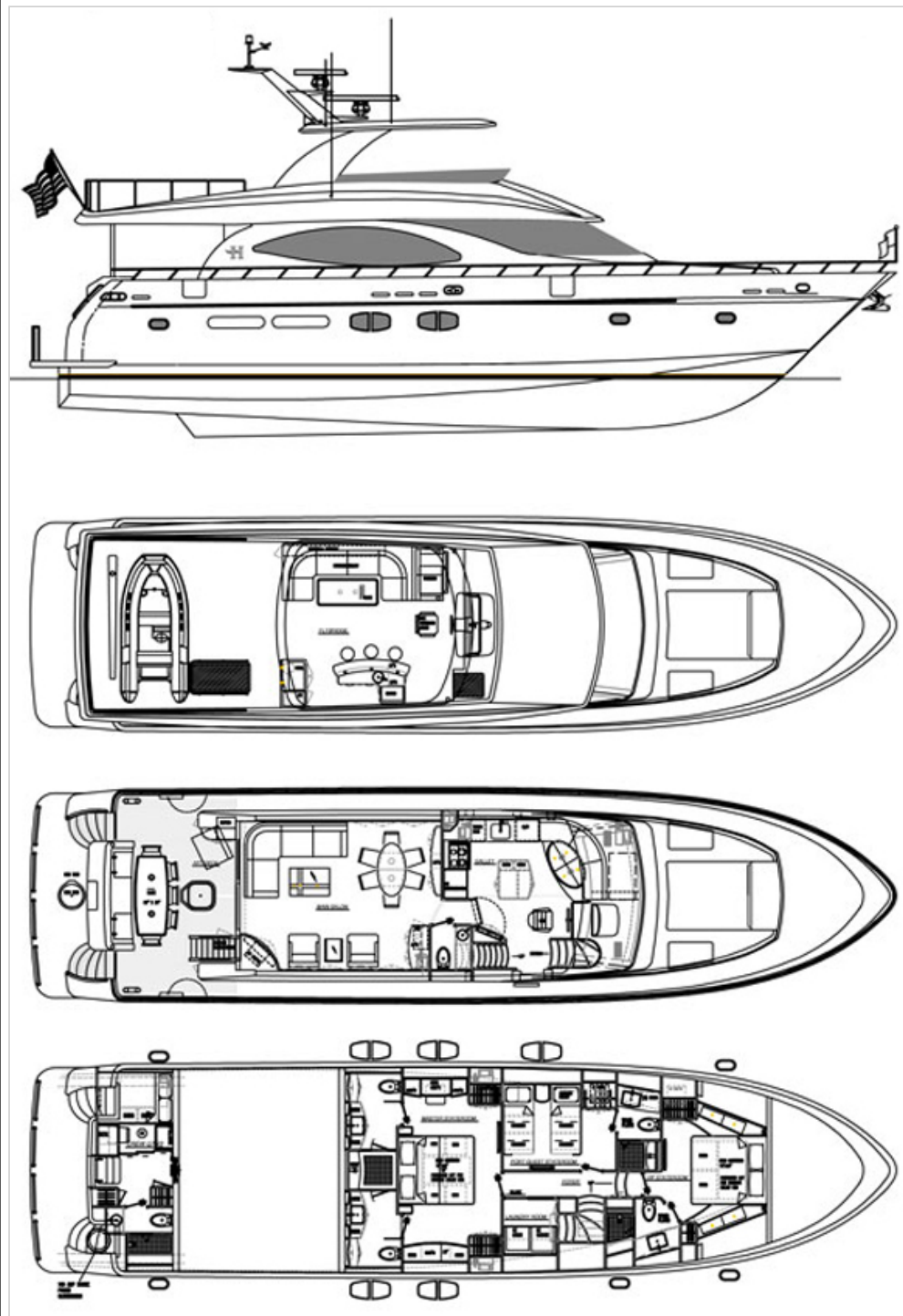
LWL: 63'4"

Fuel Capacity: 1,300 gal.

Generators: 2/27-kW Phasor

Water Capacity: 450 gal.

Layout Diagram



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BOATS

BOAT TESTS

Hargrave 76

By [Jason Y. Wood](#)



CONDITIONS DURING BOAT TEST

Air temperature: 75°F; humidity: 67%; seas: flat; wind: 1 knot

LOAD DURING BOAT TEST

520 gal. fuel, 360 gal. water, 4 persons, 300 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,150-hp Caterpillar C18 ACERT diesels

Transmission/Ratio: ZF, 2.92:1 gear ratio

Props: 44 x 46, 5-blade

Price as Tested: \$4.4 million

The Numbers

Hargrave 76 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
700	5.0	4.0	1,463	60
1000	8.8	10.0	1,030	63
1250	10.8	22.0	574	62
1500	12.3	38.0	379	65
1750	14.2	64.0	260	67
2000	17.5	84.0	244	70
2300	21.0	118.0	208	74

Speeds are two-way averages measured with Furuno NavNet 3D display. Fuel flow taken from Caterpillar engine display. Range based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Aquila 484

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: MarineMax

LOA: 48'3"

Model: Aquila 484

Beam: 23'6"

Model Year: 2013

Draft: 3'0"

Boat Type: Catamaran

Displacement: 47,620 lb.

Generator 1/16-kW Northern Lights

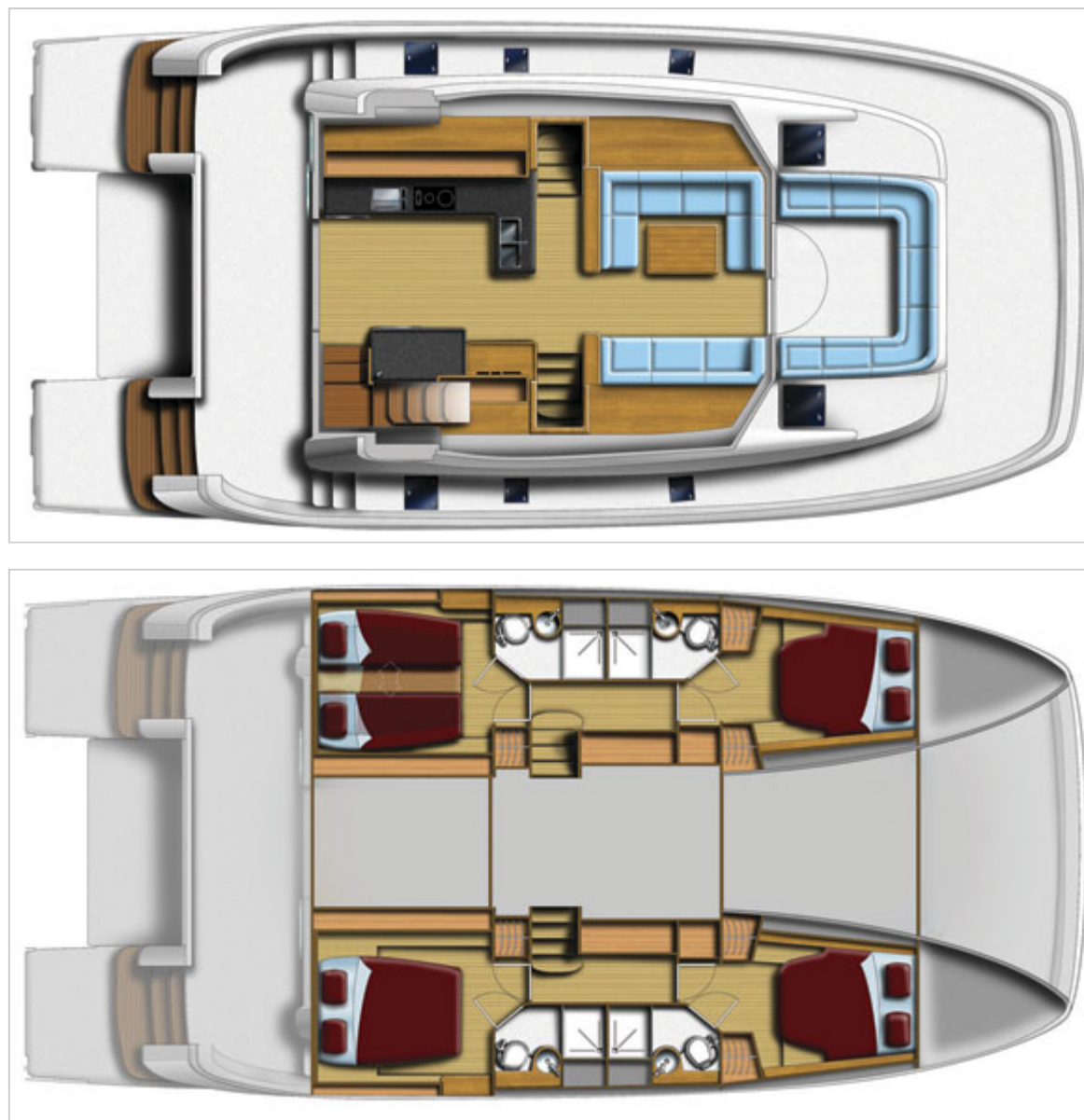
Standard Power: 2/225-mhp Volvo Penta D4 diesels

Optional Power: 2/330-mhp or 2/370-mhp Volvo
Penta D6 diesels

Fuel Capacity: 461 gal.

Water Capacity: 206 gal.

Layout Diagram



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BOATS

BOAT TESTS

Aquila 484

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 78°F; humidity: 80%; seas: gentle swell; wind: 5-10 knots

LOAD DURING BOAT TEST

520 gal. fuel (includes 220 gal. in drums), 206 gal. water, 3 persons, 2,600 lb. gear (includes 2 RIBs).

TEST BOAT SPECIFICATIONS

Test Engine: 2/330-mhp Volvo Penta D6 diesels

Transmission/Ratio: Volvo Penta HS80IVE-Bs w/2.49:1 ratio

Props: 23 x 23 4-blade BT Marine brass

Price as Tested: \$980,000

The Numbers

MarineMax 484 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	2.9	0.4	3,008	60
1000	4.9	1.5	1,342	63
1500	6.9	3.8	748	68
2000	8.9	7.6	486	74
2500	10.3	15.0	285	76
3000	13.3	25.0	221	81
3475	18.5	35.0	219	82

Speeds are two-way averages measured with Raymarine GPS. GPH taken from Volvo Penta display. Range based on 90% of advertised fuel capacity. Sound levels were taken at helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Austin Parker 42 Open

By [Chris Caswell](#)



Boat Tests

SPECIFICATIONS

Builder: Austin Parker

LOA: 41'4"

Model: Austin Parker 42 Open

Beam: 13'0"

Model Year: 2013

Draft: 4'0"

Boat Type: Downeast

Displacement: 32,767 lb.

LWL: 36'0"

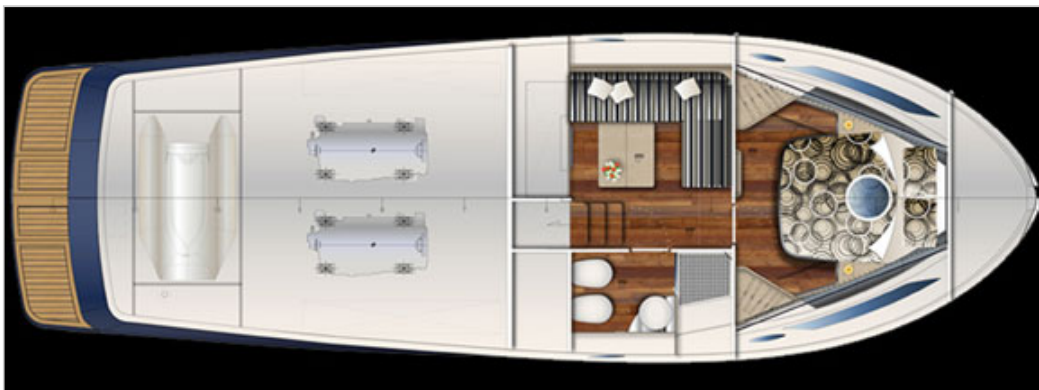
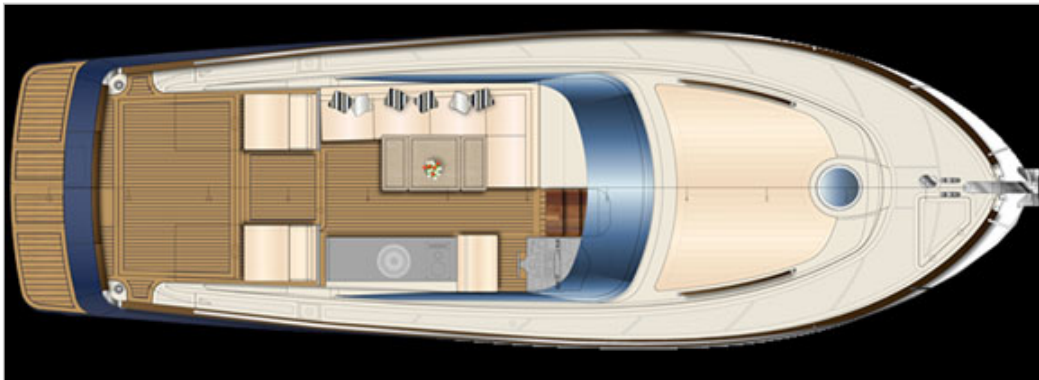
Optional Power: 2/480-mhp Yanmar 6LY3-ETP diesels; 2/435-mhp Volvo Penta IPS600s

Generator: 4.5-kW Onan

Fuel Capacity: 400 gal.

Water Capacity: 105 gal.

Layout Diagram



[Click Here To See More Photos Of The Austin Parker 42](#) □

OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Xenta joystick (\$20,000), 7.5-kW bow thruster (\$10,468), 24,000-Btu air conditioning (\$22,246).

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BOATS

BOAT TESTS

Austin Parker 42 Open

By [Chris Caswell](#)



CONDITIONS DURING BOAT TEST

Air temperature: 78°F; humidity 57%; seas: flat

LOAD DURING BOAT TEST

400 gal. fuel, 0 gal. water, 7 persons, 50 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/480-mhp Cummins QSB5.9 diesels

Transmission/Ratio: ZF-80A w/1.96:1 ratio

Price as Tested: Upon request

The Numbers

Austin Parker 42 Open - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	7.5	1.5	1,800	62
1500	10.0	5.0	720	62
2000	13.5	10.0	486	64
2500	25.0	25.0	360	66
3000	28.0	34.0	297	68
3470	32.6	43.0	273	70

Speeds are two-way averages measured w/ Raymarine GPS. GPH taken via Cummins display. Range based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Sunseeker Predator 80

By [Chris Caswell](#)



Boat Tests

SPECIFICATIONS

Builder: Sunseeker

LOA: 81'8"

Model: Sunseeker Predator 80

Beam: 19'11"

Model Year: 2013

Draft: 6'1"

Boat Type: Cruiser

Displacement: 123,200 lb.

Generators 2/27.5-kW Onan

Optional Power: 2/2,000-mph MAN V16s

Fuel Capacity: 1,586 gal.

Water Capacity: 317 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Sleipner zero-speed stabilizers (\$119,294)
line voltage regulator (\$18,725)
Idromar watermaker (\$20,184)
tropical-spec A/C (\$16,418)
cockpit engine control station (\$12,213)
Simrad AIS radar, GPS, autopilot, and VHF (\$10,551)
JMS joystick control (\$23,556).

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BOATS

BOAT TESTS

Sunseeker Predator 80

By [Chris Caswell](#)



CONDITIONS DURING BOAT TEST

Air temperature: 76°F; humidity: 55%; seas 1-2 feet

LOAD DURING BOAT TEST

325 gal. fuel; 261 gal. water; 7 persons; 100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,800-mhp MAN V12-1800s

Transmission/Ratio: ZF-3050V w/1.441:1 ratio

Props: 39 x 54 5-blade CRJ

The Numbers

Sunseeker Predator 80 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	7.1	5.1	1,986	70
1500	16.9	26.6	906	74
2000	26.1	57.5	647	76
2350	32.9	87.4	537	78

Speeds are two-way averages measured w/ Simrad GPS. GPH taken via MAN display. Range based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

NOTEWORTHY OPTIONS: Sleipner zero-speed stabilizers (\$119,294)

line voltage regulator (\$18,725)

Idromar watermaker (\$20,184)

tropical-spec A/C (\$16,418)



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BOATS

BOAT TESTS

Garlington 49

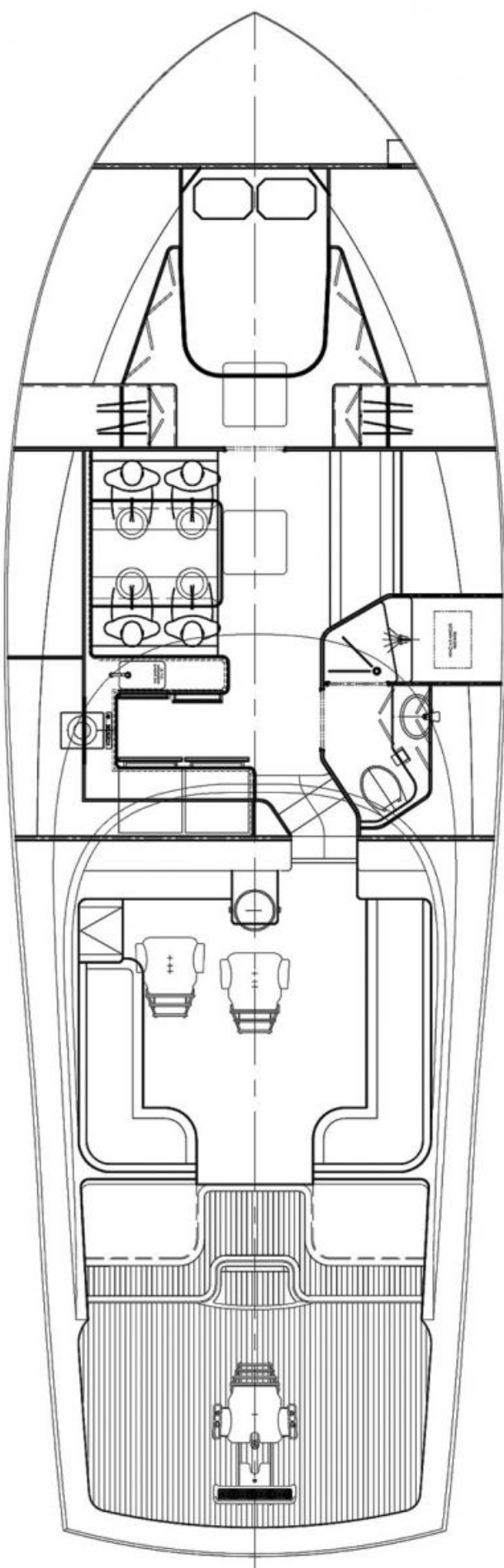
By [Scott Shane](#)



Boat Tests

SPECIFICATIONS

Builder: Garlington	LOA: 48'11"
Model: Garlington 49	Beam: 15'9"
Model Year: 2013	Draft: 3'7"
Boat Type: Sportfisherman	Displacement: 41,000 lb.
Generator 14.5-kW Phasor	Fuel Capacity: 800 gal.
	Water Capacity: 164 gal.



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BOATS

BOAT TESTS

Garlington 49

By [Scott Shane](#)



CONDITIONS DURING BOAT TEST

Air temperature: 70°F; humidity: 50%; seas: flat

LOAD DURING BOAT TEST

500 gal. fuel, 164 gal. water, 4 persons, 350 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/800-hp R6-800 MANs

Transmission/Ratio: ZF gears w/ 1.75:1 ratio

Props: 4-blade Veems

Price as Tested: Upon request

The Numbers

Garlington 49 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	8.0	4	1,400	94
1000	11.3	12	678	105
1500	21.5	30	516	101
2000	31.1	56	400	102
2350	37.0	60	444	104



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BOATS

BOAT TESTS

Pursuit SC 365i

By [Chris Caswell](#)



Boat Tests

SPECIFICATIONS

Builder: Pursuit

LOA: 41'2"

Model: Pursuit SC 365i

Beam: 12'6"

Model Year: 2013

Draft: 2'4" (motors up), 3'2" (motors down)

Boat Type: Cruiser

Displacement: 16,500 lb.

Standard Power: 2/350-hp Yamaha V-8 F350
outboards

Optional Power: none

Fuel Capacity: 275 gal.

Water Capacity: 75 gal.

Layout Diagram



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BOATS

BOAT TESTS

Pursuit SC 365i

By [Chris Caswell](#)



CONDITIONS DURING BOAT TEST

Air temperature: 78°F; humidity 60%; seas flat

LOAD DURING BOAT TEST

260 gal. fuel, 75 gal. water, 3 persons; 50 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/350-hp Yamaha V-8 F350 outboards

The Numbers

Pursuit SC 365i - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	4.6	3.0	389	62
2000	8.0	9.3	220	68
3000	9.5	18.2	130	70
4000	22.0	28.5	192	72
5000	32.6	43.5	184	74
6000	41.1	68.4	148	78

Speeds are two-way averages measured by Raymarine GPS. GPH taken via Yamaha display. Range is based on 90% of advertised fuel capacity. Sound levels taken at the helm. 65 dB(A) is the level of normal conversation.

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BOATS

BOAT TESTS

Monte Carlo Yachts 70

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Monte Carlo

LOA: 69'11"

Model: Monte Carlo Yachts 70

Beam: 17'9"

Model Year: 2013

Draft: 5'0"

Boat Type: Cruiser

Displacement: 86,861 lb.

Black Water 84.4 gal.

Standard Power: 2/1,200-mhp MAN V-1200s

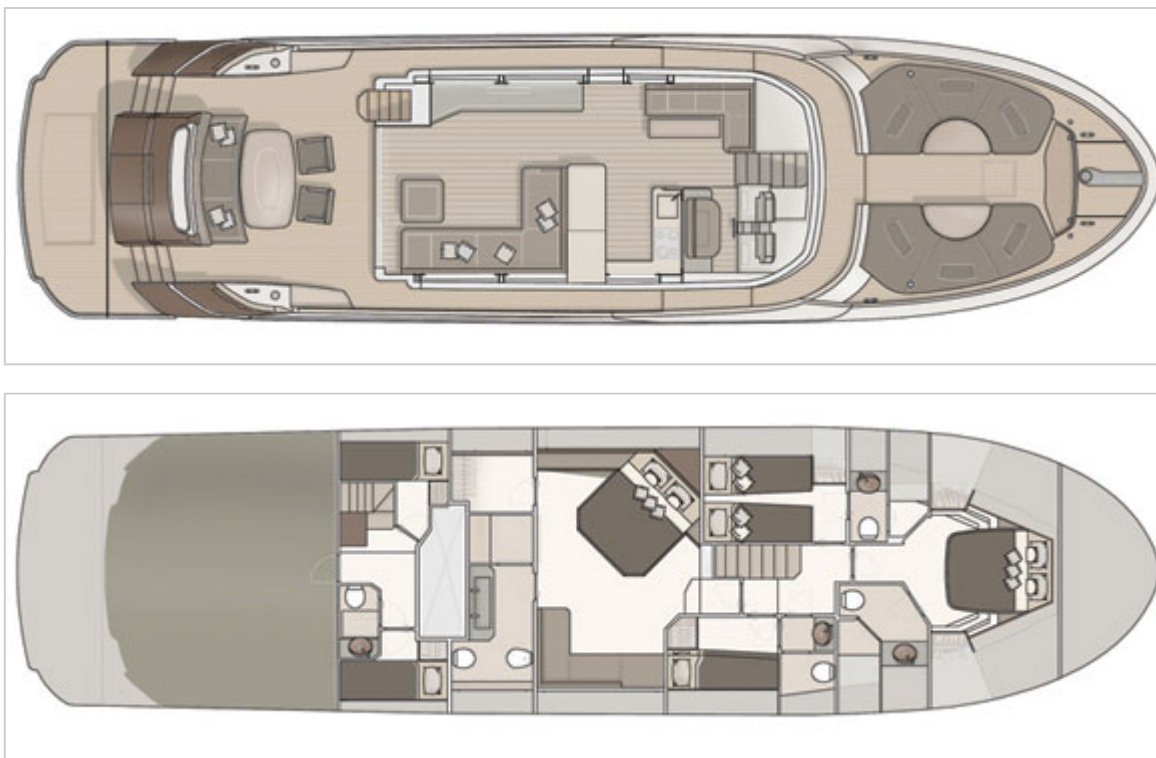
Generator 2/23-kW Kohler

Optional Power: 2/1,000-mhp MAN V-1000s

Fuel Capacity: 1,055 gal.

Water Capacity: 221.6 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Humphree auto-adjusting interceptors
carbon-fiber hardtop with sunroof
custom hull paint from DuPont
pop-up LED decklights
Portuguese bridge.

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BOATS

BOAT TESTS

Monte Carlo Yachts 70

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 72°F; humidity: 49%; seas: 4'-6'; wind: 14-18 knots

LOAD DURING BOAT TEST

265 gal. fuel, 200 gal. water, 3 persons, 200 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,200-mhp MAN V-1200s

Transmission/Ratio: ZF500 w/ 1:1 ratio

Props: 31.3 x 38.6 (front); 29.8 x 39.4 (rear) 4-blade ZFDG2 NiBrAl

The Numbers

Monte Carlo Yachts 70 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	7.1	4	1,685	65
1000	10.2	16	605	57
1250	12.1	30	383	64
1500	14.3	47	289	65
1750	20.8	68	290	66
2000	25.5	87	278	67
2320	32.4	122	252	74

Speeds are two-way averages measured with Raymarine GPS. GPH taken from MAN display. Range based on 90% of advertised fuel capacity. Sound levels taken at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Prestige 500 S

By [Alan Harper](#)



Boat Tests

SPECIFICATIONS

Builder: Prestige

LOA: 49'1"

Model: Prestige 500 S

Beam: 14'9"

Model Year: 2013

Draft: 3'4"

Boat Type: Cruiser

Displacement: 29,750 lb.

LWL 48'1"

Standard Power: 2/435-mhp Volvo Penta IPS600s

Generator 13.5 kW Onan

Optional Power: N/A

Fuel Capacity: 340 gal.

Water Capacity: 168 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Bose cinema (\$1,193)
hydraulic gangway (\$10,770)
sun awning (\$6,543).

This article originally appeared in the April 2013 issue of *Power & Motoryacht* magazine.



BOATS

BOAT TESTS

Prestige 500 S

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature: 68°F; humidity: 48%; seas: flat

LOAD DURING BOAT TEST

200 gal. fuel, 0 gal. water, 3 persons, 250 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/435-mhp Volvo Penta IPS600s

Transmission/Ratio: Volvo Penta, 1.82:1

Props: Volvo Penta IPS T2

Price as Tested: Upon request

The Numbers

Prestige 500 S - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	6.5	1.7	1,156	-
1500	8.8	5.0	542	65
2000	11.2	10.8	319	67
2500	16.0	17.4	285	69
3000	21.8	27.7	245	71
3500	28.0	38.3	226	75
3610	29.5	43.9	208	76

Speeds are two-way averages measured w/ Raymarine GPS display. GPH taken via Volvo Penta display. Range based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Bertram 54

By [George Sass Jr.](#)



Boat Tests

SPECIFICATIONS

Builder: Bertram

LOA: 57'1"

Model: Bertram 54

Beam: 18'2"

Model Year: 2013

Draft: 4'10"

Boat Type: Sportfisherman

Displacement: 83,737 lb.

Black Water 55 gal.

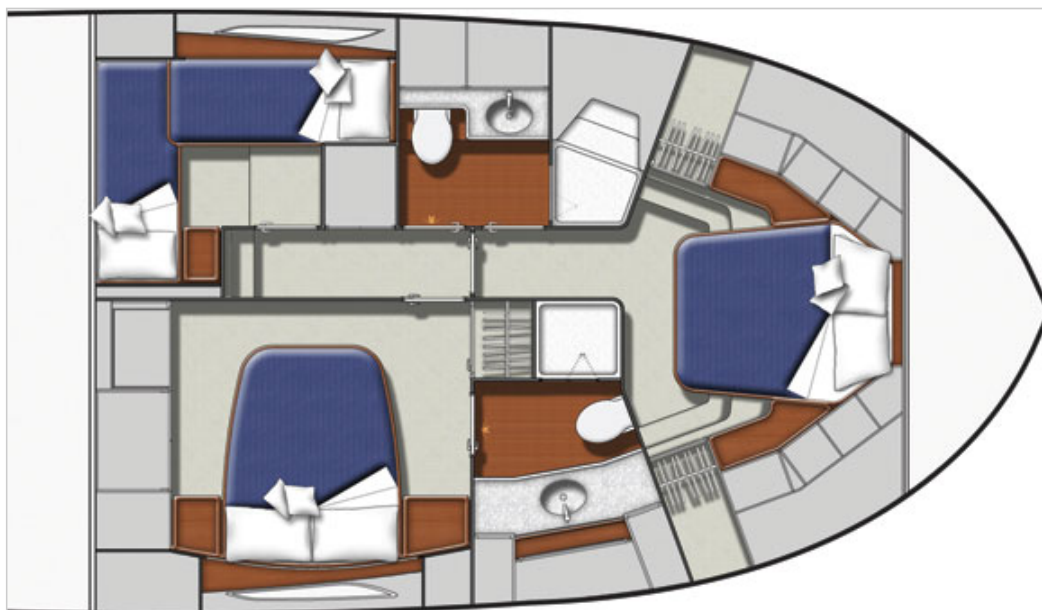
Standard Power: 2/1,380-mhp MTU 10V-2000s

Generator 1/15.5 kW

Fuel Capacity: 1,524 gal.

Water Capacity: 225 gal.

Layout Diagram



OPTIONAL EQUIPMENT

NOTEWORTHY OPTIONS: Aquamatic 700-1 watermaker
zero speed stabilizer
Eskimo ice maker for transom fishbox
23-kW generator in lieu of standard.

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BOATS

BOAT TESTS

Bertram 54

By [George Sass Jr.](#)



CONDITIONS DURING BOAT TEST

Air temperature: 76°F; humidity 69%; seas: 4'-6'; wind: 7 knots

LOAD DURING BOAT TEST

1,219 gal. fuel, 225 gal. water, 5 persons, 100 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/1,700-mhp Caterpillar C32 ACERTs

Transmission/Ratio: ZF 2060A w/2.092:1 ratio

Props: 34 x 51 five-blade Veem props

The Numbers

Bertram 54 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	11.6	32	497.2	81
1250	13.4	60	306.3	83
1500	20.0	82	334.5	85
1750	26.9	108	341.6	87
2000	32.8	146	308.1	90
2250	38.1	180	290.3	90

Speeds are two-way averages measured with GPS. GPH taken from Cat display. Range based on 90% of advertised fuel capacity. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Azimut 55S

By [Alan Harper](#)

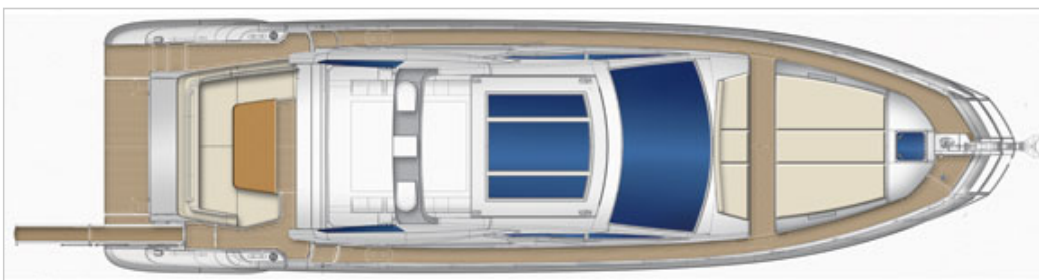


Boat Tests

SPECIFICATIONS

Builder: Azimut	LOA: 56'9"
Model: Azimut 55S	Beam: 15'5"
Model Year: 2013	Draft: 3'9"
Boat Type: Cruiser	Displacement: 41,440 lb.
LWL 54'5"	Fuel Capacity: 423 gal.
Generator 18 kW	Water Capacity: 156 gal.

Layout Diagram



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BOATS

BOAT TESTS

Azimut 55S

By [Alan Harper](#)



CONDITIONS DURING BOAT TEST

Air temperature: 72°F; humidity: 25%; seas: 1-2 feet

LOAD DURING BOAT TEST

260 gal. fuel, 78 gal. water, 10 persons, 600 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 3/435-mhp Volvo Penta IPS600s

Transmission/Ratio: Volvo Penta/1.81:1 ratio

Props: 2/Volvo Penta IPS 3-blade propsets

Price as Tested: \$1,800,950 approx., ex taxes

The Numbers

Azimut 55S - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	7.1	2.5	1,082	43
1500	9.6	9.2	398	65
2000	12.6	21.9	219	67
2500	20.0	34.9	218	70
3000	28.6	47.8	228	71
3400	34.4	63.9	202	72

Speeds are two-way averages measured w/ Raymarine GPS display. GPH taken via Volvo Penta display. Range based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.



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BOATS

BOAT TESTS

Deep Impact 360 C

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Deep Impact

LOA: 36'0"

Model: Deep Impact 360 C

Beam: 10'0"

Model Year: 2013

Draft: 2'10"

Boat Type: Center Console

Displacement: 13,000 lb.

Generator 5 kW Onan

Optional Power: Various outboard configurations

Fuel Capacity: 320 gal.

Water Capacity: 50 gal.

OPTIONAL EQUIPMENT

Noteworthy Options: Harley-Davidson copper hull paint (\$9,800)

Vetus bow thruster (\$8,995)

low-profile bow rails (\$1,979)

2/Garmin GPSMAP 5212 (\$2,565)

Mercury Link Gauge MercMonitor (\$1,999).

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BOATS

BOAT TESTS

Deep Impact 360 C

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 78°F; humidity: 80%; seas: 2 feet

LOAD DURING BOAT TEST

100 gal. fuel, 0 gal. water, 3 persons, 50 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 3/300-hp Mercury Verado outboards

Props: Mercury Mirage Plus 3-Blade, 29" pitch

Price as Tested: \$422,924

The Numbers

Deep Impact 360 C - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
1000	5.2	3.3	454	65
2000	8.4	10.2	237	72
3000	16.5	24.0	198	80
4000	37.5	28.6	378	86
5000	43.3	45.9	272	93
6000	53.6	68.7	225	97
6400	58.1	89.7	187	107

Speeds are two-way averages measured w/ Garmin display. GPH estimates taken via Mercury SmartCraft display. Range based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

Noteworthy Options: Harley-Davidson copper hull paint (\$9,800)

Vetus bow thruster (\$8,995)

low-profile bow rails (\$1,979)



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BOATS

BOAT TESTS

Salish Sea 48

By [Capt. Bill Pike](#)



Boat Tests

SPECIFICATIONS

Builder: Salish Sea

LOA: 48'0"

Model: Salish Sea 48

Beam: 15'10"

Model Year: 2013

Draft: 4'0"

Boat Type: Cruiser

Displacement: 44,005 lb.

Black Water 60 gal.

Optional Power: 2/700-mhp Volvo Penta IPS900 diesels

Cruising Speed 27.1 knots

Fuel Capacity: 600 gal.

Top Speed 33.4 knots

Water Capacity: 130 gal.

Generator 1/13-kW Mastervolt

Layout Diagram



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BOATS

BOAT TESTS

Salish Sea 48

By [Capt. Bill Pike](#)



CONDITIONS DURING BOAT TEST

Air temperature: 64°F; humidity: 78%; seas: smooth; wind: variable, light

LOAD DURING BOAT TEST

240 gal. fuel, 80 gal. water, 3 persons, 200 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/600-mhp Volvo Penta IPS800 diesels

Transmission/Ratio: IPS2B w/1.59:1 ratio

Props: Volvo Penta P3 propset

Price as Tested: \$2,232,820

The Numbers

Salish Sea 48 - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	7.1	2.4	1,598	72
1000	10.1	9.0	642	70
1250	12.2	17.0	388	73
1500	16.8	25.0	362	73
1750	21.6	31.0	378	73
2000	27.1	39.0	373	77
2250	31.5	50.0	340	78
2380	33.4	59.0	308	82



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BOATS

BOAT TESTS

Fairline Targa 62GT

By [Kevin Koenig](#)



Boat Tests

SPECIFICATIONS

Builder: Fairline

LOA: 63'2"

Model: Fairline Targa 62GT

Beam: 16'6"

Model Year: 2013

Draft: 4'3"

Boat Type: Cruiser

Displacement: 49,200 lb

Generator 22.5-kW Onan

Optional Power: 2/800-mhp Volvo Penta D13-800s;
2/1,200-mhp MAN V8 diesels

Fuel Capacity: 676 gal.

Water Capacity: 145 gal.

Layout Diagram



OPTIONAL EQUIPMENT

New and Noteworthy: Power-drop windows and electric venetian blinds (\$59,012)
cockpit bar pack including refrigerator, griddle, and ice maker (\$12,342)
crew's quarters (\$31,627).

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BOATS

BOAT TESTS

Fairline Targa 62GT

By [Kevin Koenig](#)



CONDITIONS DURING BOAT TEST

Air temperature: 80°F; humidity: 40%; seas: 1 foot

LOAD DURING BOAT TEST

300 gal. fuel, 90 gal. water, 4 persons, 200 lb. gear.

TEST BOAT SPECIFICATIONS

Test Engine: 2/900-mhp Volvo Penta D13-900 diesels

Transmission/Ratio: ZF 3351-2 w/ 1.96:1 ratio

Props: 31 X 40 4-blade Hyper-Q

Price as Tested: \$2,072,300

The Numbers

Fairline Targa 62GT - Final Boat Test Numbers:

RPM	KNOTS	GPH	RANGE	dB(A)
600	7.2	3.0	1,460	63
1000	10.2	11.5	540	63
1500	18.4	32.5	344	69
2000	28.2	61.4	279	77
2350	33.8	87.9	234	82

Speeds are two-way averages measured w/ Garmin display. GPH estimates taken via Volvo Penta display. Range based on 90% of advertised fuel capacity. Sound levels measured at the helm. 65 dB(A) is the level of normal conversation.

OPTIONAL EQUIPMENT ON TEST BOAT

New and Noteworthy: Power-drop windows and electric venetian blinds (\$59,012)
cockpit bar pack including refrigerator, griddle, and ice maker (\$12,342)
crew's quarters (\$31,627).

