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materials and prices of all models, or to discontinue models. Should changes in production models be made, Sea
Ray® is not obligated to make similar changes or modifications to models sold prior to the date of such changes.

Owner’s Manual
280 Sundancer
Printed in the U.S.A. April 2007
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Sea Ray Boats, Inc. 2600 Sea Ray Blvd., Knoxville, TN 37914
For information call 1-800-SRBOATS or fax 1-314-213-7878
(International 1-314-216-3333)

Internet Address: http://www.searay.com

Note: Not all accessories shown in pictures or described herein are
standard equipment or even available as options.
Options and features are subject to change without notice.

The following are registered trademarks of the Brunswick Corporation: Sea Ray® & The SR Wave Logo
1. LOAD CAPACITY

Refer to the General Information Manual for a detailed explanation of Load Capacity.

Never carry more weight or passengers than indicated on the certification plate, regardless of weather or water conditions. The boat can capsize, swamp or sink.

**DANGER**
Rotating propellers can injure or kill you. Shut off engine when persons are in water near boat, or on swim platform or ladder.

**DANGER**
Rear facing transom seats MUST NOT be used while engine is running or boat is moving.

**WARNING**

2. PASSENGER LOCATIONS

Refer to the General Information Manual for a detailed explanation of Passenger Locations.

Boat motion can be erratic. You can fall overboard or be injured by hitting something in or on the boat. All persons must be in cockpit area or cabin and be prepared for sudden boat movement.

Use front or bow deck area only during anchoring, mooring or emergencies.

**WARNING**
Wet decks are slippery. You can be seriously injured if you slip and fall. Wear slip resistant footwear secured to your feet and hold on to rails or boat structure.

**WARNING**

**BUILDER'S PLATE (INTERNATIONAL)**

(FIG. 1.1)

**BOAT MANUFACTURER**

Sea Ray Boats

**MFR'S MODEL**

280 DA

**DESIGNATION**

**MAXIMUM NUMBER**

10 + = 1180 kg

**MAXIMUM LOAD CAPACITY**

**C E**

0609

**IMCI**

(FIG. 1.2)

**WORKING DECK**

(DECK AREA INTENDED FOR OCCUPATION DURING ANCHORING, MOORING AND EMERGENCY OPERATION ONLY)

**ACCOMODATION DECK**

(DECK AREA INTENDED FOR OCCUPATION DURING NORMAL OPERATION)

DO NOT WALK ON THIS AREA

THIS PAGE INTENTIONALLY LEFT BLANK
1. **LOAD CAPACITY**

Refer to the General Information Manual for a detailed explanation of Load Capacity.

⚠️ **DANGER**

Never carry more weight or passengers than indicated on the certification plate, regardless of weather or water conditions.

The boat can capsize, swamp or sink.

**Builder’s Plate (International) (Fig. 1.1)**

- **Boat Manufacturer:** Sea Ray Boats
- **MFR’s Model Designation:** 280 DA

<table>
<thead>
<tr>
<th>MAXIMUM NUMBER OF PASSENGERS</th>
<th>MAXIMUM LOAD CAPACITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>1180 kg</td>
</tr>
</tbody>
</table>

2. **PASSENGER LOCATIONS**

Refer to the General Information Manual for a detailed explanation of Passenger Locations.

⚠️ **WARNING**

- Boat motion can be erratic.
- You can fall overboard or be injured by hitting something in or on the boat.
- All persons must be in cockpit area or cabin and be prepared for sudden boat movement.
- Use front or bow deck area only during anchoring, mooring or emergencies.

⚠️ **WARNING**

- Wet decks are slippery.
- You can be seriously injured if you slip and fall.
- Wear slip resistant footwear secured to your feet and hold on to rails or boat structure.

⚠️ **DANGER**

- Rotating propellers can injure or kill you.
- Shut off engine when persons are in water near boat, or on swim platform or ladder.

⚠️ **WARNING**

- Rear facing transom seats **MUST NOT** be used while engine is running or boat is moving.
3. SAFETY LABEL LOCATIONS

SAFETY LABEL LOCATIONS
(Fig. 2.1)
SAFETY LABEL LOCATIONS (CONTINUED)

WARNING

1. Turn off boat's shore power switch.

5. Close inlet cover tightly.

852533 MRP

NOTICE

Minimum octane rating of 87 AKI.

Refer to the engine owner's manual for

- KEEP HANDS AND FEET AWAY FROM GYPSY AND

- DO NOT LEAVE BOAT UNATTENDED WITH THE

DOCKSIDE WATER HOSE CONNECTED.

AND LOCKED POSITION WHEN BOAT IS UNDER WAY. USE BOTH

DANGER

- READ THE INSTRUCTIONS BEFORE OPERATING

- KEEP HANDS AND FEET AWAY FROM GYPSY AND

- TIGHTEN ALL SCREWS, BOLTS AND NUTS AND

- STAY CLEAR OF MOVING PARTS

- LOCK SWIVEL WHEN SPEED EXCEEDS 5 M.P.H.

- UNPLUG SHORE POWER AND TURN

- BEFORE REMOVING COVER.

- USE CANVAS, SIDE CURTAINS AND FORWARD VISOR WITHOUT

- DISCHARGE OF OIL PROHIBITED

THE FEDERAL WATER POLLUTION CONTROL ACT PROHIBITS THE

DISCHARGE OF OIL OR OILY WASTE INTO OR UPON THE NAVIGABLE

WATER OR CAUSES A SLUDGE

SUBJECT TO A PENALTY OF $5,000.

DISCHARGE OF OIL OR OILY WASTE INTO NAVIGABLE WATERS IS

This tag replaces "Discharge Of Oil Prohibited"

DISCHARGE VALVE. DISCHARGING

THE USE OF DELINEATOR CONES IS FOR USE WHERE APPROVED ONLY

MRP # 921759                                  SR-162

ENGINE IS RUNNING

STAY CLEAR OF MOVING PARTS

MRP # 914341                                   SR-139

LEVEL APPROXIMATELY EVERY

FOR LEAKS OR CORROSION AT LEAST

MRP # 852624                              SR-149

MRP # 934539 SR-166

MRP # 852632                                   SR-151

NOTICE

LEAKING FUEL IS A FIRE AND EZ -

MRP 324756 SR-47

MRP # 1902273

Manual Part Number: MRP 1902273

280 Sundancer
### BOAT DIMENSIONS AND CLEARANCES (FIG. 5.1)

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length (w/Standard Extended Swim Platform)</td>
<td>31' 1&quot; (9.47 m)</td>
</tr>
<tr>
<td>Overall Length</td>
<td>28' 6&quot; (8.69 m)</td>
</tr>
<tr>
<td>Beam</td>
<td>9' 5&quot; (2.89 m)</td>
</tr>
<tr>
<td>Draft (Stern Drive Down)</td>
<td>33 5/8&quot; (85.41 cm)</td>
</tr>
<tr>
<td>Draft (Stern Drive Up)</td>
<td>23&quot; (58.4 cm)</td>
</tr>
<tr>
<td>Draft (Twin Stern Drive Down)</td>
<td>38 5/8&quot; (98.11 cm)</td>
</tr>
<tr>
<td>Draft (Twin Stern Drive Up)</td>
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</tr>
<tr>
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<td>8,000 (3.628 kg)</td>
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<tr>
<td>Fuel Capacity (gal.)</td>
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<tr>
<td>Usable Fuel (gal.)</td>
<td>95 (359 liters)</td>
</tr>
<tr>
<td>Water Capacity (gal.)</td>
<td>28 (106 liters)</td>
</tr>
<tr>
<td>Holding Tank (gal.)</td>
<td>28 (106 liters)</td>
</tr>
<tr>
<td>Dead Rise</td>
<td>21°</td>
</tr>
<tr>
<td>Waterline To Top Of Windshield</td>
<td>6' 11&quot; (2.11 m)</td>
</tr>
<tr>
<td>Keel To Top Of Windshield</td>
<td>8' 9&quot; (2.67 m)</td>
</tr>
</tbody>
</table>

---

### Save Our Seas

It is **illegal** to dump plastic trash anywhere into the ocean or navigable waters of the United States. Violation of these requirements may result in civil penalty up to $25,000, a fine of $50,000 and imprisonment for up to five years.

**PLASTIC** - Includes but is not limited to: plastic bags, styrofoam cups and lids, six-pack holders, stirrers, straws, milk jugs, egg cartons, synthetic fishing nets, ropes, lines, and bio or photo degradable plastics.

**GARBAGE** - Means paper, rags, glass, metal, crockery (generated in living spaces aboard the vessel—what we normally call trash), and all kinds of food, maintenance and cargo-associated waste. “Garbage” does not include fresh fish or fish parts, dishwater, and gray water.

**INSIDE 3 MILES**

- (and in U.S. Lakes, Rivers, Bays and Sounds)
  - PLASTICS
  - DUNNAGE, LINING AND PACKING MATERIALS THAT FLOAT
  - ANY GARBAGE EXCEPT DISHWATER/GRAYWATER/FRESH FISH PARTS

**DUNNAGE** - Material used to block and brace cargo, and is considered a cargo associated waste.

**DISHWATER** - Means the liquid residue from the manual or automatic washing of dishes and cooking utensils which, have been pre-cleaned to the extent that any food particles adhering to them would not normally interfere with the operation of automatic dishwashers.

**GRAYWATER** - Means drainage from a dishwasher, shower, laundry, bath, and washbasin, and does not include drainage from toilets, urinals, hospitals, and cargo spaces.

### Locations

- **INSIDE 3 MILES**
  - (and in U.S. Lakes, Rivers, Bays and Sounds)
  - PLASTICS
  - DUNNAGE, LINING AND PACKING MATERIALS THAT FLOAT
  - ANY GARBAGE EXCEPT DISHWATER/GRAYWATER/FRESH FISH PARTS

- **3 TO 12 MILES**
  - PLASTICS
  - DUNNAGE, LINING AND PACKING MATERIALS THAT FLOAT
  - ANY GARBAGE NOT GROUND TO LESS THAN ONE SQUARE INCH

- **12 TO 25 MILES**
  - PLASTICS
  - DUNNAGE, LINING AND PACKING MATERIALS THAT FLOAT

- **INSIDE 3 MILES**
  - (and in U.S. Lakes, Rivers, Bays and Sounds)
  - PLASTICS
  - DUNNAGE, LINING AND PACKING MATERIALS THAT FLOAT
  - ANY GARBAGE EXCEPT DISHWATER/GRAYWATER/FRESH FISH PARTS

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## 4. Basic Boat Dimensions and Clearances

### Boat Dimensions and Clearances

(Fig. 5.1)

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
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<tbody>
<tr>
<td>Overall Length</td>
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<td>28 (106 liters)</td>
</tr>
<tr>
<td>Dead Rise</td>
<td>21°</td>
</tr>
</tbody>
</table>

### Height Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waterline To Top Of Windshield</td>
<td>6' 11&quot; (2.11 m)</td>
</tr>
<tr>
<td>Keel To Top Of Windshield</td>
<td>8' 9&quot; (2.67 m)</td>
</tr>
</tbody>
</table>
5. Function and Location of Through-Hull Cutouts

### Starboard Side
(Fig. 6.1)

- Head System Holding Tank Vent
- Entertainment Center Sink & Cooler Drain
- Cockpit Step Drain
- Grey Water Sump
- Head Sink Drain
- Butane Stove Vent (Option)
- Galley Sink Drain
- Rope Locker Drain (Starboard Side Only)

### Port Side
(Fig. 6.2)

- Air Conditioner Discharge (Option)
- Generator Exhaust (Option)
- Generator Purge
- Manual Bilge Pump
- Water Heater Purge

### Transom Cutouts
(Fig. 6.3)

- Oil Drain Plug (With Twin Engine Option)
- Garboard Drain Plug (Also Used for Engine Oil Drain Hose)

### Hull Cutouts
(Fig. 6.4)

- A/C System Seacock (Twin Engine Option)
- A/C System Seacock (Single Engine Option)
- Depth Sounder Transducer
- Generator Seacock (Option)
- Generator Macerator Discharge (Option)
- Closed Cooling (Option)
6. Helm, Gauge & Switch Layout

Helm Layout
(FIG. 7.1)
Helm, Gauge & Switch Layout (Cont'd)

Gauge Panels
(Fig. 8.1)

Port Switch Panel
(Fig. 8.2)

Starboard Switch Panel
(Fig. 8.3)
7. General Layout

Deck Layout
(Fig. 9.1)
GENERAL LAYOUT (CONT'D)

CABIN LAYOUT
(Fig. 10.1)

V-BERTH FILLER/BOLSTER CUSHIONS
1. FILLER CUSIONS ARE USED AS SIDE BOLSTERS WHEN NOT IN USE.
2. MID-STATEROOM PORT BOLSTER IS USED AS CENTER FILLER CUSHION.
3. FILLER/BOLSTER CUSHIONS ARE VELCROED IN PLACE ON BOLSTER, PULL OUT CUSIONS AND INSERT ON FILLER BOARD.

1. FILLER CUSIONS ARE USED AS SIDE BOLSTERS WHEN NOT IN USE.
2. MID-STATEROOM PORT BOLSTER IS USED AS CENTER FILLER CUSHION.
3. FILLER/BOLSTER CUSHIONS ARE VELCROED IN PLACE ON BOLSTER, PULL OUT CUSIONS AND INSERT ON FILLER BOARD.

ROPE LOCKER

CONVERTIBLE V-BERTH WITH STORAGE BELOW

MOLDED-IN COCKPIT BOARDING STEPS

SWIM PLATFORM W/ CONCEALED LADDER

PORT SIDE SUN LOUNGER WITH FORWARD FACING BACKREST

PORT AFT-FACING SEAT W/FOLD-DOWN SUN PAD

MID-STATEROOM ENTRANCE BEHIND DINETTE

CONVERTIBLE DINETTE WITH STORAGE BELOW

V-BERTH PRIVACY CURTAIN

GALLEY

ENGINE SHIFT AND THROTTLE CONTROL

SWIVEL BUCKET HELM SEAT WITH SLIDER

ENTERTAINMENT CENTER WITH WET BAR

FOLD AWAY AFT SEAT

WALK THROUGH

ENCLOSED HEAD AREA

CONTROL STATION

ENGINE ASSISTED ENGINE HATCH

DINETTE

COCKPIT

SWIM PLATFORM W/ CONCEALED LADDER

10 Manual Part Number: MRP 1902273 280 Sundancer
8. Cleats
Cleats must not be used for lifting the boat; they are intended for docking or mooring use only.

See General Information Manual for a detailed explanation of the anchor lights.

10. Lighting
See General Information Manual for a detailed explanation of the lighting.
11. Bilge Layout

Bilge Blower Installation (Twin Engine Option) (Fig. 12.1)

Bilge Pump & Float Switch Installation (Fig. 12.2)

Bilge Pump Hose Routing (Fig. 12.3)
12. FIRE EXTINGUISHING SYSTEM

Your 280DA has an automatic fire extinguisher system installed standard. Refer to the General Information Manual for a detailed explanation of the automatic fire extinguisher system.

13. FUEL SYSTEM

A. GASOLINE FUEL SYSTEM

The 280 DA standard gasoline fuel system consists of a 100 gallon (378.5 liters) fuel tank, fuel tank vent, anti-siphon valve, engine fuel supply line and fuel fill.

The optional twin engine gasoline fuel system uses a single tank with two electronic fuel senders, anti-siphon valves and engine fuel supply lines.

B. DIESEL FUEL SYSTEM (OPTIONAL)

The optional diesel fuel system consists of a 100 gal. (378.5 liter) fuel tank, fuel tank vents, engine fuel supply and return lines, fuel filter and fuel fill.

14. WATER SYSTEM

The fresh water system on the 280DA consists of a 28gal. (106 liter) tank, 12v water pump, faucet (head compartment), sprayer (wet bar) and 2 pullout sprayers (bow and stern). Refer to the General Information Manual for a detailed explanation of the water system.
15. ENTERTAINMENT SYSTEM

The 12 volt AM/FM radio single CD satellite ready stereo is located in the port dash. The system includes six (6) water proof speakers, a digital remote control located at the control station, and an optional remote on the transom.

An optional Premium Cockpit Sound System is available. It includes a 6-disc CD changer, upgraded speakers, subwoofer, amplifier and transom stereo remote.

16. CANVAS

Your Sea Ray® Sport Boat standard canvas set consists of the following pieces:

Sunbrella® Bimini Top, With Boot

Canvas options available consist of the following pieces:

Canvas Package: Aft Cover
Bimini Front Curtain Canvas Storage Bag
Side Curtains

Camper Canvas Package:
Bimini Front Curtain Camper Aft Cover
Camper Top Boot Canvas Storage Bag
Side Curtains

DANGER

Exhaust fumes from engines contain deadly carbon monoxide gas (CO). Boats enclosed with canvas or with poor ventilation are most likely to collect fumes.

CO sickness symptoms include headache, nausea and dizziness. Do not mistake these symptoms for sea sickness.

Ventilate boat. See Section 1.4, Carbon Monoxide, for more details.

Do not use the rear (aft) curtain while engine is running or boat is moving.

17. ELECTRICAL SCHEMATICS

This owner's manual contains electrical schematics and wiring harness illustrations for your boat. These electrical schematics were generated by electrical CAD designers at the engineering division for technical reference and service technicians. Sea Ray® does not recommend that you attempt to work on the boat's electrical system yourself. Instead, we recommend that you take your boat to your authorized Sea Ray® dealer for service. Sea Ray® reserves the right to change or update the electrical system on any model at any time without notice to the consumer and is NOT obligated to make any updates to units built prior to changes.
Warning: DO NOT attempt to work on the electrical system of this boat without professional assistance.

DC WIRING DIAGRAM
DRAWING NO. 09-601 (1 OF 5)
(Fig. 15.1)

DC WIRING DIAGRAM
DRAWING NO. 09-601 (2 OF 5)
(Fig. 15.2)
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.
Warning: DO NOT attempt to work on the electrical system of this boat without professional assistance.
Warning: DO NOT attempt to work on the electrical system of this boat without professional assistance.
DC Wiring Diagram (Twin Engine Option)
DRAWING NO. 09-602 (1 OF 5)
(Fig. 19.1)

DC Wiring Diagram (Twin Engine Option)
DRAWING NO. 09-602 (2 OF 5)
(Fig. 19.2)

Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.
Warning: DO NOT attempt to work on the electrical system of this boat without professional assistance.
DC Wiring Diagram (Twin Engine Option)
Drawing No. 09-602 (4 of 5)
(Fig. 21.1)
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

DC Wiring Diagram (Twin Engine Option)
Drawing No. 09-602 (5 of 5)
(Fig. 22.1)
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

DC Wiring Diagram (with D-7.3L D-Tronic Diesel)
DRAWING NO. 09-603 (2 OF 5)

(Fig. 24.1)

DC Wiring Diagram (with D-7.3L D-Tronic Diesel)
DRAWING NO. 09-603 (3 OF 5)

(Fig. 24.2)
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

DC Wiring Diagram (with D-7.3L D-Tronic Diesel)
Drawing No. 09-603 (5 of 5)
(Fig. 26.1)
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

DC WIRING DIAGRAM (VOLVO KAD 44P DIESEL)
DRAWING NO. 09-604 (1 OF 5)
(Fig. 27.1)

NOTE2:
1. CONNECTORS TO BE LABELLED AS SHOWN.
2. PLAN TO INSTALL VENDOR-SUPPLIED CONTROL UNIT FOR ANALOG TRIM INSTRUMENT KIT #38E4965.
3. PLAN TO INSTALL ENGINE HARNESS.
Warning: DO NOT attempt to work on the electrical system of this boat without professional assistance.
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

DC Wiring Diagram (Volvo KAD 44P Diesel)
Drawing No. 09-604 (4 of 5)
(Fig. 29.1)
Warning: DO NOT attempt to work on the electrical system of this boat without professional assistance.
Warning: DO NOT attempt to work on the electrical system of this boat without professional assistance.
WARNING:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

CABIN DC WIRING DIAGRAM
DRAWING NO. 09-606
(Fig. 32.1)
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.
Warning: DO NOT attempt to work on the electrical system of this boat without professional assistance.
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

MDP Wiring Diagram (220VAC/50HZ)
Drawing No. 09-631 (1 of 2)
(Fig. 36.1)

MDP Wiring Diagram (220VAC/50HZ)
Drawing No. 09-631 (2 of 2)
(Fig. 36.2)
STOVE TOP SWITCH WIRING DIAGRAM
DRAWING NO. 09-634
(Fig. 37.1)

Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

AC SYSTEM WIRING DIAGRAM
DRAWING NO. 09-640
(Fig. 37.2)

Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.
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