



HD800/27-14 SPECIFICATIONS

Long Stroke

January 2002

A. CONTROL UNIT

1. Presentation

High resolution output, 640 x 480 pixels
8 or 16 colors depending on echo strength

2. Sonar Display

- (1) Full screen sonar
- (2) Full screen bottom profile
- (3) Split screen sonar and profile
- (4) Vertical fish profile mode
- (5) Full screen stabilized video sounder

3. GPS Tracking

Track moving targets when GPS is connected

4. Dual Controls, for Split Screen

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|------------------|----------------------|
| (1) Range | (7) Threshold |
| (2) Near Gain | (8) Scanning Speed |
| (3) Far Gain | (9) Scanning Sector |
| (4) TVG | (10) Colors, 8 or 16 |
| (5) Power | (11) Delete Colors |
| (6) Pulse Length | |

5. Transducer Control

- (1) Tilt, + 4° to - 90°, in 1° steps
- (2) Scan, adjustable sectors,
Stepping speeds 1.8° to 21.6°

6. Console Voltage

12 - 32 VDC, 36 W

7. Audio Output

Proportional to echo strength
Horn Speaker

1. Power Output: 3.5 kW

2. 6 Stage, Low Noise Receiver

C. POWER BOOSTER

1. Supplies more power for long range performance.

2. Input voltage: 110 VAC or 220 VAC

D. HOIST UNIT

1. Height: 2270mm

2. Travel: 1000 mm, 1200mm, 1500 mm

3. Retraction Time: 7 seconds

4. Electric Motor: 2 HP, 110 VAC or 220 VAC

5. Flange: 16 inch, 25 mm thick

6. Soundome Tube: Stainless steel, 168 mm O.D.
(6.6 inch)

E. SOUNDOME:

1. Frequency: 27 kHz

2. Soundbeam: 12° Vertical, 12° Horizontal
Stabilized

3. Soundome Boot: Acoustically Transparent

4. Soundome Flange: Silicon Bronze

5. Diameter: 340 mm (13.4 inch)

F. SEACHEST - (Customer Supplied):

1. Length: 1,000 mm (39.4 inch)

2. Pipe: 16 inch, Schedule 40

3. Flange: Standard 16 inch

B. TRANSMIT RECEIVE UNIT