

# Jinbo Marine

Marine &amp; Offshore Equipment Datasheet

PRODUCT DATASHEET

## MARINE COMMUNICATION AND NAVIGATION EQUIPMENT

## MF/HF DSC (Class-A)

MF/HF DSC (Class-A) (1).Main function 1.General voice calls 2.Distress urgency and safety communications, ship operating requirements, public business communication 3.DSC system Dist...

ISO9001 Supplier

Class Certificate

Export Supply



### Key Highlights

Category	Marine Communication And Navigation Equipment
Standard	EN
Weight / Size	maximum audio 2.0A 10 ) Dimensions Main unit : 240 ( L ) *70 ( H ) *200 ( W ) mm 2.Trans...
Certificate	CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.



Technical Specifications			
Category	Marine Communication And Navigation Equipment	Model / SKU	MF-HF-DSC-Class-A
Standard	EN	Weight / Size	maximum audio 2.0A 10 ) Dimensions Main unit : 240 ( L ) *70 ( H ) *200 ( W ) mm 2.Transmitter Output power : 150 / 60W Carrier suppression : - 40dB Unwanted sideband suppression : - 45dB Harmonic component : - 40dB Parasitic components : - 60dB 3.Receiver 1 ) Sensitivity J3E.A1A 30dBuV emf ( 0.5~1.59999MHz ) 13dBuV emf ( 1.6~1.79999MHz ) 8dBuV emf ( 1.8~29.9999MHz ) J2B 13dBuV emf ( 1.6~1.79999MHz ) 8dBuV emf ( 1.8~29.9999MHz ) J3E 44dBuV emf ( 0.5~1.59999MHz ) 30dBuV emf ( 1.6~1.79999MHz ) 24dBuV emf ( 1.8~3.9999MHz ) DSC Receiver Sensitivity When 20dB , ≤ 2uV(all channels) 2 ) Spurious response :
Certificate	CCS	Warranty	12 Months unless specified otherwise
Origin	China		

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## MF/HF DSC (Class-A)

### (1).Main function

1.General voice calls

2.Distress urgency and safety communications, ship operating requirements, public business communication

3.DSC system

Distress emergency call

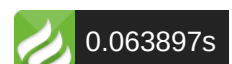
Individual call

Group call

All ships call

Sea Area call

Ship position request call



**DSC test****4.DSC distress message storage and readout (distress messages 24 , Other message 24)****5.Frequency scan****6.32 commonly used ship No. memory****7. 8 commonly used group call code memory****8.The number of memory channels****160 users can be set****249 ITU (International Telecommunication Union) SSB (SSB) duplex****124 ITU SSB simplex channels****9.Built-in GPS functionality****10.Manually enter the ship's position information function****11.Automatic / semi-automatic ship business****(2). Technical Specifications****1.Overall Specifications****1 ) Frequency range (unit: MHz)****Receiver : 0.5-29.9999****Transmitter : 1.6-2.9999****4.0-4.9999****6.0-6.9999****8.0-8.9999****12.0-13.9999****16.0-17.9999****18.0-19.9999****22.0-22.9999****25.0-27.5000****2 ) DSC Channel : 2187.5kHz , 4207.5kHz****6312.0kHz , 8414.5kHz****12577.0kHz , 16804.5kHz****3 ) Emission type :****Transmitter : J3E ( USB/LSB ) , H3E****J2B ( AFSK )****DSC Receiver : J2B****4 ) The number of memory channels : 160 users can be set , 249 ITU SSB Duplex , 124 ITU SSB Simplex****5 ) Antenna connector : SO-239×2 ( 50Ω )****6 )****Operating temperature range:****: -30°C~+60°C , -22°F~140°F ( This Unit is only warranty secured a range of -20 °C ~ +55 °C )****7 ) Frequency Stability : ( -20°C~+55°C , The battery is connected , after five minutes )****Transmitter : ±10Hz****DSC Receiver : ±10Hz****8 ) Power supply : DC 13.8V ±15%****9 ) Current consumption****Transmitter : maximum power , 30A****Receiver : maximum audio 2.0A****10 ) Dimensions****Main unit : 240 ( L ) \*70 ( H ) \*200 ( W ) mm****2.Transmitter**

**Output power : 150 / 60W**  
**Carrier suppression : - 40dB**  
**Unwanted sideband suppression : - 45dB**  
**Harmonic component : - 40dB**  
**Parasitic components : - 60dB**

### **3.Receiver**

#### **1 ) Sensitivity**

##### **J3E.A1A**

**30dBuV emf ( 0.5~1.59999MHz )**

**13dBuV emf ( 1.6~1.79999MHz )**

**8dBuV emf ( 1.8~29.9999MHz )**

##### **J2B**

**13dBuV emf ( 1.6~1.79999MHz )**

**8dBuV emf ( 1.8~29.9999MHz )**

##### **J3E**

**44dBuV emf ( 0.5~1.59999MHz )**

**30dBuV emf ( 1.6~1.79999MHz )**

**24dBuV emf ( 1.8~3.9999MHz )**

#### **DSC Receiver Sensitivity**

**When 20dB ,  $\leq 2\mu\text{V}$ (all channels)**

#### **2 )**

## **Spurious response :**

**Receiver:  $\geq 70\text{dB}$**

**DSC Receiver :  $\geq 60\text{dB}$**

**3 ) Total distortion factor :  $\leq 5\%$**

**4 ) Block :  $\geq 100\text{dBuV}$**

**Note: Specifications are subject to change without notice.**