

## SPECIFICATION OF UHF REPEATER SET

Frequency range	:	403 MHz to 470 MHz.
No. of channels	:	16 channels or more (Programmable)
Channel spacing	:	12.5/25 KHz.
Type of emission	:	11KOF3E
Type of operation	:	Full Duplex/Semi duplex (Programmable)
Out put impedance	:	50 Ohms
Temperature Range	:	10 <sup>0c</sup> to 60 <sup>0c</sup>
Duty cycle	:	Continuous operation

The built in Repeater cabin should incorporate with **Interface controller** , **Duplexer** with **U H F or N type** female connector and **Micro phone**

**Power Supply-12V/15A** ( Eliminator cum battery charger) **linear type** will be provided inbuilt/ External for the Repeater

### TRANSMITTER

RF Power Output	:	Maximum 40 W ( programmable )
Modulation Limit	:	up to 2.5 KHz for 12.5 KHz band width Up to 4 KHz for 25 kHz band width

### RECEIVER

Receiver Sensitivity	:	0.28 micro volt @ 12 dB SINAD ( - 118 dbm )
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### **Accessories**

- Service manual and Program kit should be supplied for 10 Sets @ 1 each (maximum 2 Nos.).
- Operating manual for each set
- UHF Band (403– 470 MHz ) high gain (6 db) tunable GP Antenna with fitting clamps and 30 mtr RG 217 co-axial cable with 2 end connected UHF male connector.