***1.2 Configuration***

**3. Applicable model: FAR-2137S, 2837S and 2137S-BB**

Table 1.2.4 Configuration of 30 kW S-band Type Radar

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Transceiver** | **Gear box** | **Radiator** |
| **Type** | **Output** | **Type** | **Motor** | **rpm** | **Motor power** | **PM** | **De-icer** | **Type (Length)** |
| FAR-2137S-2837S-2137S-BB | RTR-080 | 30 kW | RSB-098 | RM7398 | 21 | 200 VAC3 Ph. 50 Hz | PM-51 | Yes | SN-36AF(12 ft) SN-30AF(10 ft) |
| 26 | 220 VAC3 Ph. 60 Hz |
| RSB-099 | RM7435 | 21 | 380 VAC3 Ph. 50 Hz |
| 26 | 440 VAC3 Ph. 60 Hz |
| RSB-100 | RM-9519 | 45 | 220 VAC3 Ph. 50 Hz |
| RSB-101 | RM-9520 | 220 VAC3 Ph. 60 Hz |
| RSB-102 | RM-9521 | 440 VAC3 Ph. 60 Hz |

The De-icer must be incorporated in the factory. (not the field job)

The performance monitor (PM-51) is built in the Gearbox. The PM-51 can be mounted in the field job. The antenna revolution speed depends on the type of the Gearbox.

Use a transformer unit when the specifications of Antenna motor power are different from ship’s power supply.

The Antenna motor power is supplied to the Gearbox via the Power supply unit, PSU-007. The PSU-007 is composed of Relays and Thermal switches.

A note should be taken that an Antenna radiator; SN-30AF (10 ft) of 21/26 rpm does not adapt with the IMO radar in terms of the bearing discrimination. However, the HSC is adapted.

***SCANNER UNIT***

***Note:***

***RPU-013***

J604

TB1

***PSU-007***

+12V

Relay

Motor ON

K2

Thermar relay

K1

3 OUT

3 IN

Ship’s Main

***RU-x***

***xxx***

Set the operating current of the Thermal relay according to the type of the Antenna motor.

Fig. 1.2.8 Configuration of PSU-007

1-13