

2 Unit Configurations

2.1 General Information

The X-Band scanner unit and transceiver form only part of a complete BridgeMaster E Series radar, and cannot be operated in isolation. For details of complete system installations refer to the BridgeMaster E, Ship's Manual 65800010B.

X-Band top units are supplied with either, an integral transceiver unit (which is mounted as part of the turning unit), or with a separate transceiver which is suitable for bulkhead mounting.

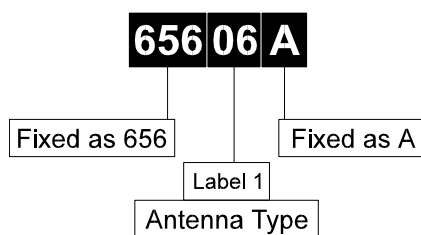
2.2 Unit Type Numbers

A BridgeMaster E, X-Band top units are configured from the following unit types:

- Antenna Unit
- Turning Unit (with or without Integral Transceiver)
- Bulkhead Transceiver Unit

2.2.1 Antenna Unit

The Antenna Unit type number consists of a five figure number followed by a single letter suffix. The first three digits and the suffix are fixed (656xxA), and digits four and five identify antenna type as follows:

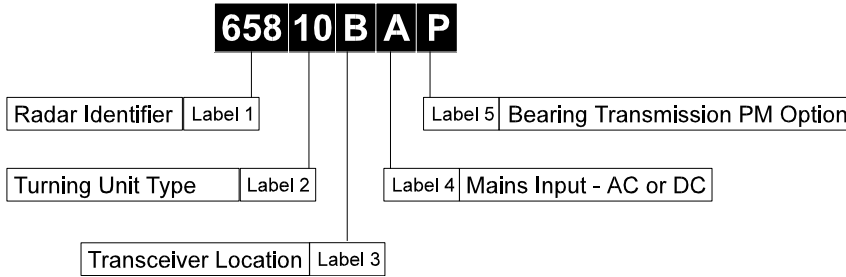


Label 1 **Antenna Type**

Label	Antenna Type
04	4 FT (X-Band)
06	6 FT (X-Band)
08	8 FT (X-Band)

2.2.2 Antenna Turning Unit

The Antenna Turning Unit type numbers are as follows:



Label 1 **BridgeMaster E Identifier** (fixed as **658**)

Label 2 **Turning Unit Type**

Label	Turning Unit Type
01	X-Band without Transceiver
10	X-Band with 10 kW Transceiver
25	X-Band with 25 kW Transceiver

X-Band Turning Units are supplied set to 'Standard Speed'. Speed changes are effected by link changes within the unit.

Label 3 **Transceiver Location**

Label	Transceiver Mounting
B	Bulkhead
M	Masthead
C	Bulkhead with additional facilities
N	Masthead with additional facilities

Label 4 **Mains Input - AC or DC**

Label	Phases	Voltages	Frequency	Speed	Band*
A	I	110/240	50/60	S/H	X
D	DC	24 - 32	0	S	X

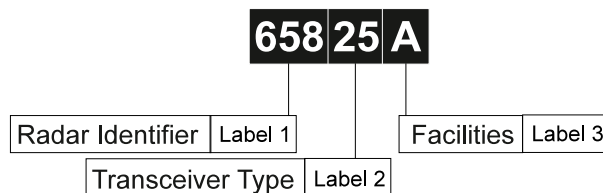
*For **X-Band** Turning Units the motor is powered from the transceiver. This supply matches the Processor Electronics Unit supply.

Label 5 **Bearing Transmission PM Option**

Label	Performance Monitor	Synchro
P	No	No
R	Yes	No
S	No	Yes
T	Yes	Yes

2.2.3 Bulkhead Transceiver Unit

The Bulkhead Transceiver Unit type numbers are as follows:



Label 1 **BridgeMaster E Identifier** (fixed as **658**)

Label 2 **Transceiver Type**

Label	Transceiver Type
10	10 kW X-Band
25	25 kW X-Band

Label 3 **Facilities**

Label	Facilities
A	Standard
B	With additional facilities