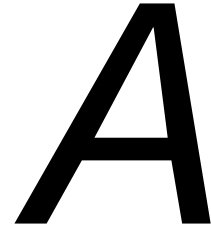


Addendum

3DX-25 Transmitter



A.1 Transmitter summary

The 3DX-25 transmitter provides lower power levels than the original transmitter design and requires only a 208/240 AC input service. Thus, it is based off the 3DX-50 transmitter that has basically been partially de-populated. Below will be a summary of the differences, both hardware and settings between the 50 kW and the de-populated 25 kW transmitter.

A.1.1 Hardware

Basically to create the 25 kW model of the 3DX product one quadrant of 16 PA modules has been removed. This requires the associated Mother boards and Filter boards to be removed and the combiner rod be modified. Also the Modulation Encoder that controlled those 16 PA modules is removed. A different transformer is used in the power supply. Air handling sheet metal changes finish the changes associated.

A.1.2 Software

The 3DX-25 software is generally the same as the 3DX-50 with the exception of the power level limits. The look and feel is the same as the original model.

A.1.3 Settings

Obviously settings have been affected by the generation of the 25 kW model. Listed here are the settings that are different from the 50 kW transmitter.

Table A-1

| | 3DX-50 | 3DX-25 |
|---------------------------|---------------|---------------|
| AC input voltage | 480 VAC | 240 VAC |
| Ave. DC voltage | 300VDC loaded | 300VDC loaded |
| Total DC current | 186 | 91 |
| Power Supply Over Current | 308/336 | 154/168 |
| Max. Power | 50 kW | 25 kW |
| Power Limit | 60 kW | 30 kW |

A.1.4 Physical changes

Physical weights have changed due to fewer PA modules, a smaller power transformer and associated hardware. Heat load is also decreased.

Table A-2

| | 3DX-50 | 3DX-25 |
|--------------------------------------|--------|--------|
| PA Module quantity | 62 | 46 |
| PA cabinet weight (LBS) | 1120 | 1015 |
| PS cabinet weight (LBS) | 1900 | 1700 |
| Heat load PA cabinet worst case (kW) | 9.66 | 4.83 |
| Heat load PS cabinet (kW) | 1.38 | 0.69 |
| Heat load Output cabinet (kW) | 2.07 | 1.035 |
| Heat load Total all cabinets (kW) | 13.80 | 6.9 |
| Heat load Total all cabinet (BTU) | 47000 | 23500 |

A.2 Parts List Replacement

Please check to see if Section 7 Parts List in 888-2449-001 has been removed and replaced with Section 7 3DX-25 Parts List. If it was not, the parts list for the 3DX-25 should immediately follow this page and it should replace the 3DX-50 Parts List section.