

HF200 Series – 20kW HF Wide Band Antenna Matching Transformer

The HF200 series are 20 kW average power transformers suitable for communications or broadcast systems.

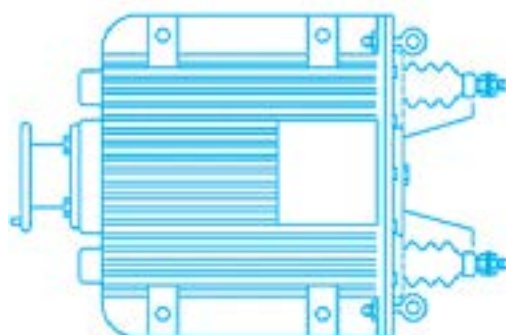
The units are housed in a finned cast aluminium tank which provides excellent natural convection cooling. Each casting is subjected to a double vacuum resin impregnation process which ensures complete sealing for the internal low loss silicone cooling oil.

High purity alumina ceramic insulators with arcing horns are fitted as standard and an internal static drain to earth provides additional protection against lightning induced high voltages.

A wide selection of unbalance and balance impedance ratios are available to complement most antenna configurations and enquiries for non-standard arrangements are welcome. The HF200 is a high quality unit suitable for unprotected operation in any environment. The HF200 Series supersedes all Minns "Y" types of 20kW transformers.

Key Features:

- Wide band 1.5 to 32 MHz
- 20 kW average + 100% AM modulation
- Suitable for communication or broadcast application
- Very high efficiency
- All weather unprotected operation



Spec	Information
Frequency	1.5 - 32 MHz
Power	20 kW average + 100% AM modulation
Insertion loss	Less than 0.2 dB
VSWR	Less than 1.2:1 (2 - 30 MHz), Less than 1.3:1 (1.5 - 32 MHz)
Balance ratio	Greater than 26 dB
Max Load VSWR	2.5:1
Coaxial connectors	1 5/8", 3 1/8" EIA
Balance terminals	PTFE
Temperature range	-40°C to +55°C
Weight	110kg gross
High voltage protection	Arcing horns and internal static drain
Configuration	Cast aluminium case (LM25). Hermetically sealed. Epoxy paint finish.
Shipping dimensions	700 x 600 x 500 mm approx.

Balanced Impedance (ohm)								
Unbalanced impedance (ohm)	50	75	100	200	300	370	450	600
50	HF200-55	HF200-57	HF200-510	HF200-520	HF200-530	HF200-537	HF200-545	HF200-56
75	HF200-75	HF200-77	HF200-710	HF200-720	HF200-730	HF200-737	HF200-745	HF200-76

