100VA Frame Mount, 230V Primary, Transformer Specification

Nominal Input Voltage	230v ±10%, 50/60Hz
No-load Input Current @ 230v 50Hz	110mA (rms) max.

Stock Number	Full Load Output Voltage at 100VA	Secondary Resistance Ω ± 15% @ 20°C
805-259	6 + 6	0.038 + 0.046
805-265	9 + 9	0.081 + 0.098
805-271	12 + 12	0.135 + 0.164
805-287	15 + 15	0.215 + 0.265
805-293	18 + 18	0.314 + 0.382
805-300	20 + 20	0.396 + 0.485
805-316	24 + 24	0.53 + 0.64
805-322	30 + 30	0.76 + 0.95
805-338	50 + 50	2.26 + 2.78

Primary Winding Resistance		19.6 Ω ± 15% @ 20°C
Regulation		< 10% typical* for range
Maximum Winding Temperature Rise		55°C
Efficiency		> 87%
Iron Loss		5W
Copper Loss		9.2W
Flash Test	Primary/Secondaries 4KV rms Windings/Core 2KV rms	For 6 Seconds
Insulation Test	Primary/Secondaries/Core	>50MΩ @ 500Vdc @ 20°C
Overpotential Test		460V 500Hz applied across primary, secondaries open circuit. (Type Test Only)
Core Material		BS601 GR800-50
Winding Wire		BS6811 Section 3.1 Grade 1
Bobbin and Full Shrouds		Split Section, Glass Filled Nylon
Overall Insulation Rating		Class B (130°C)
Finish		Class F Stoved Varnish
Dimensions		89mm wide x 75mm high x 68mm deep (nominal) Including tags.
Fixing Centres		57mm x 43.5mm. Slots 4.7mm x 7.9mm
Weight		1.6kg nominal

* Calculated as $Regulation = \frac{(V_{NL}-V_{FL})}{V_{NL}} \times 100\%$

The lamination stack may, or may not have a central slot on the long side. This should not be used for mounting purposes.

All tolerances and production tests in accordance with BS3535 EN60 742 Appendix 1A.