150VA Frame Mount, 230V Primary, Transformer Specification

Nominal Input Voltage	230v ±10%, 50/60Hz
No-load Input Current @ 230v 50Hz	150mA (rms) max.

Stock Number	Full Load Output Voltage ±5% @ 150VA	Secondary Resistance Ω ± 15% @ 20°C
805-344	6 + 6	0.022 + 0.026
805-350	9 + 9	0.037 + 0.045
805-366	12 + 12	0.071 + 0.086
805-372	15 + 15	0.10 + 0.123
805-388	18 + 18	0.15 + 0.18
805-394	24 + 24	0.25 + 0.30
805-401	50 + 50	1.05 + 1.28

Primary Winding Resistance	10.8 Ω ± 15% @ 20°C
Regulation	< 10% typical* for range
Maximum Winding Temperature Rise	55°C
Efficiency	> 90%
Iron Loss	4.7W
Copper Loss	11W
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 GR500-50
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	100mm wide x 82mm high x 82mm deep (nominal) Including tags.
Fixing Centres	72mm x 60mm. Slots 5.5mm x 8.5mm
Weight	2kg nominal

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

Note 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.

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