

CARROLL & MEYNELL LTD	Portable Auto Step Down Transformers				
RS Part no	347-6652	347-6668	436-8883		
Transformer Type	CM1000/A/US	CM2000/A/US	CM3000/A/US		
Continuous Output Rating VA	1000	2000	3000		
Primary Voltage	230	230	230		
Frequency	50/60Hz	50/60Hz	50/60Hz		
Off-Load Secondary Volts	116.9	116.9	116.2		
Full-Load secondary Volts	114.2	115	114.1		
Regulation at Continuous rating	2%	2%	2%		
Efficiency at Continuous rating	97%	98%	98%		
Iron Loss Watts	12	22	27		
Copper Loss @ Continuous rating					
Common winding Watts	8	12	19.32		
Overwind winding Watts	11	15.6	24.4		
Insulation resistance @2KV for 1 minute	>200MΩ	>200MΩ	>200MΩ		
Flash Test Voltage for 1 minute	2KV	2KV	2KV		
Common winding resistance @ 20°C	0.46Ω	0.17Ω	0.12Ω		
Overwind winding resistance @ 20°C	0.54Ω	0.2Ω	0.14Ω		
Winding Temperature rise Pri °C	60	63	80		
Sec °C	60	63	80		
Primary Thermal circuit breaker rating	5Amp	10Amp	12Amp		
Dimensions (Width x Depth x Height)	190x190x260	190x190x260	190x190x260		
Weight (Kg)	9	10.5	20		
Output Sockets	2x15A	2x15A	2x15A	nema 5-15	
Materials and Construction					
The enclosure is moulded from DMC (Dough moulded compound) which is fibre glass with a Flame retardent compound and is self extinguishing.					
The encapsulant used to retain the transformer is a flame retardant Polyurathane resin which incorporates a silca sand filler.					
The bobbin is manufactured in nylon and is rated for operation at 140°C					
The interwinding insulation is nomex/polyester composite.					
The winding wire is dual coated polyester , grade 2 rated for 200°C.					
The mains cable fitted on this range has fitted a moulded 13 Amp plug with a 13 Amp fuse.					
This range of transformers do not give mains isolation					
				rstech/pasd/rev0-14/08/02	