

APPENDIX A: TECHNICAL SPECIFICATIONS

Physical Characteristics

7	Length: 12 7/8 in. (32.7 cm)
7	Width: 11 5/8 in. (29.6 cm)
7	Height: 8 3/8 in. (21.3 cm)
7	Weight: 20 lbs (9 kg)

Unipulse Transformers

Unipulse transformer designs guarantee repeatable output energy, even during half-cycle operation. They are convection-cooled. However, their performance and duty cycle can be increased with optional fan cooling.

The four models illustrated in Figure A-4

include a primary tap switch. The red pilot lamp on the front of the Unipulse transformer lights when voltage is applied to the transformer primary. Refer to Table A-4 for Unipulse transformer specifications.

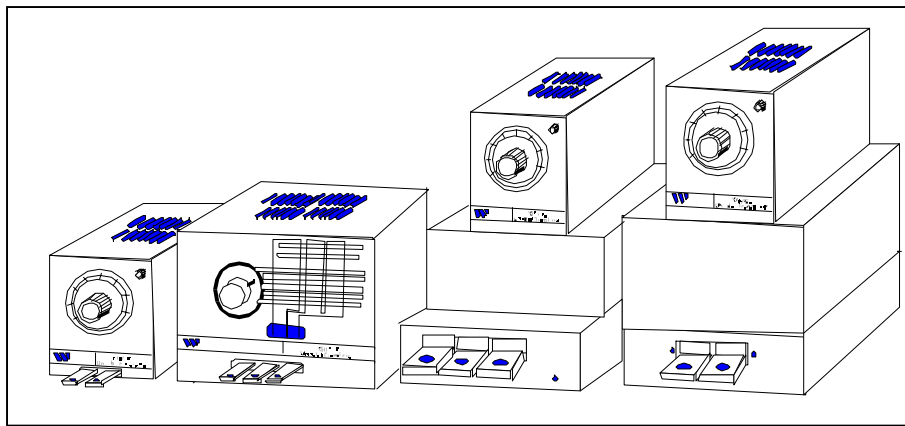


Figure A-4. Unipulse Welding Transformers

Table A-2 Unipulse Welding Transformer Specifications

Model	Pri. Volts	Input KVA Duty Cycle			Taps		Output Voltage (rms)	Short Ckt I (A)	Height (in./cm)	Width In./cm)	Depth (In./cm)	Weight (lbs/kg)
		3%	8%	50%	Pri.	Sec.						
X2/115RF	115	3.1	1.9	0.75	4	0	3.8, 2.4, 1.5, 1.0	2400	6.5/16.5	6.5/16.5	11.0/27.9	20/9
X2/230RF	230	3.1	1.9	0.75	4	0	3.8, 2.4, 1.5, 1.0	2400	6.5/16.5	6.5/16.5	11.0/27.9	20/9
X2/115	115	2.5	2.5	1.0	4	0	3.2, 2.7, 2.4, 2.0	2300	6.5/16.5	6.5/16.5	11.0/27.9	20/9
X2/230	230	2.5	2.5	1.0	4	0	3.2, 2.7, 2.4, 2.0	2300	6.5/16.5	6.5/16.5	11.0/27.9	20/9
X5/115HV	115	9.8	4.5	1.8	4	2	14 to 1.8 in 12 steps	1800	8.3/21.1	6.6/16.8	9.6/24.4	60/27
X5/230HV	230	9.8	4.5	1.8	4	2	14 to 3.5 in 12 steps	1800	8.3/21.1	6.6/16.8	9.6/24.4	60/27
X8/230	230	13.0	8.0	3.2	8	0	5.8, 5.3, 4.8, 4.4, 4.0, 3.6, 3.3, 3.0		13.0/33.0	7.0/17.8	14.0/35.6	90/41
X16/230	230	26.0	16.0	6.4	3	2	5.6, 4.9, 92004.3 (HI-COM) 3.6, 3.3, 2.9 (LO-COM) 1.9, 1.6, 1.4 (HI-LO)	16000	13.0/33.0	7.5/19.1	14.0/35.6	95/43
X16/480	480	26.0	16.0	6.4	3	2	5.6, 4.9, 4.3 (HI-COM) 3.6, 3.3, 2.9 (LO-COM) 1.9, 1.6, 1.4 (HI-LO)	16000	13.0/33.0	7.5/19.1	14.0/35.6	95/43

Input Connector

The INPUT connector is an Amphenol Type 97-3102A-22-9P (Unitek PN 520-071). The mating connector, which is supplied with the PM7, is an Amphenol Type 97-3106A-222-9S (Unitek PN 520-072).