Warpinverter Transformer Specifications; total magnetising power loss = 19.95W

Transformer #1 (large):

Core area:2 x 3195mm sq = 6390 mm sq total, hole diameter = 100mm, mass = 22kg

Secondary V = 225Vrms = 160 turns of 3 x 1.7mm wire (6.81mm sq), 1.41V/turn

Primary V = 45V = 32 turns of 21 x 1.5mm wire (37.1mm sq)

Flux = 0.9913T magnetising power 10W total copper 8.7kg

turns ratio = 5.000

Transformer #2 (medium):

Core area: 3036 mm sq, hole diameter = 96mm, mass = 10kg

Secondary V = 75Vrms = 112 turns of 3 x 1.7mm wire (6.81 mm sq) 0.67V/turn

Primary V = 45V = 67 turns of 7 x 1.5mm wire (12.4mm sq)

Flux = 0.9935T magnetising power 4.3W total copper 3.9kg

turns ratio = 1.666

Transformer #3 (small):

Core area: 2205 mm sq, hole diameter = 95mm, mass = 7.5kg

Secondary V = 25Vrms = 51 turns of 3 x 1.7mm wire (6.81mm sq) 0.49V/turn

Primary V = 45V = 92 turns of 7x1mm wire (5.5mm sq)

Flux = 1.0014T magnetising power 2.8W total copper 1.8kg

turns ratio = 0.555

Transformer #4 (tiny):

Core area: 1683 mm sq, hole diameter = 80mm, mass = 4.3kg

Secondary V = 8.33Vrms = 22 turns of 3 x 1.7mm wire (6.81mm sq) 0.38V/turn

Primary V = 45V = 120 turns of 1.5mm wire (1.77mm sq)

Flux = 1.0036T magnetising power 2.85W total copper 0.9kg

Turns ratio = 0.185