



**TSC PYROFERRIC E CORE DIMENSIONS**

PART #		A		B		C		D		E		F	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
EF 12.6	PE 51	0.498 ± .010	12.65 ± 0.25	0.252 ± .005	6.40 ± 0.13	0.184 ± .005	4.66 ± 0.13	0.140 ± .007	3.54 ± 0.18	0.362 ± .007	9.19 ± 0.18	0.140 ± .007	3.54 ± 0.18
EF 16	PE 63	0.634 ± .010	16.10 ± 0.25	0.317 ± .005	8.04 ± 0.13	0.233 ± .005	5.91 ± 0.13	0.180 ± .007	4.56 ± 0.18	0.457 ± .007	11.60 ± 0.18	0.178 ± .007	4.51 ± 0.18
E 187	PE 75	0.750 ± .010	19.05 ± 0.25	0.318 ± .005	8.06 ± 0.13	0.223 ± .005	5.65 ± 0.13	0.187 ± .007	4.75 ± 0.18	0.562 ± .007	14.27 ± 0.18	0.187 ± .007	4.75 ± 0.18
EF 20	PE 80	0.795 ± .010	20.19 ± 0.25	0.392 ± .005	9.96 ± 0.13	0.275 ± .005	6.99 ± 0.13	0.230 ± .007	5.84 ± 0.18	0.575 ± .007	14.61 ± 0.18	0.228 ± .007	5.79 ± 0.18
EF 25	PE 99	1.000 ± .010	25.40 ± 0.25	0.500 ± .005	12.70 ± 0.13	0.345 ± .005	8.76 ± 0.13	0.287 ± .007	7.29 ± 0.18	0.695 ± .007	17.65 ± 0.18	0.287 ± .007	7.29 ± 0.18
E 24/25	PE 100	1.000 ± .010	25.40 ± 0.25	0.375 ± .005	9.53 ± 0.13	0.250 ± .005	6.35 ± 0.13	0.250 ± .007	6.35 ± 0.18	0.750 ± .007	19.05 ± 0.18	0.248 ± .007	6.30 ± 0.18
E 30/15mm	PE 118	1.185 ± .010	30.10 ± 0.25	0.593 ± .005	15.05 ± 0.13	0.391 ± .005	9.93 ± 0.13	0.278 ± .007	7.06 ± 0.18	0.782 ± .007	19.86 ± 0.18	0.276 ± .007	7.01 ± 0.18
E 375	PE 137	1.375 ± .010	34.93 ± 0.25	0.563 ± .005	14.29 ± 0.13	0.375 ± .005	9.53 ± 0.13	0.375 ± .007	9.53 ± 0.18	1.000 ± .010	25.40 ± 0.25	0.375 ± .007	9.53 ± 0.18
E 21	PE 162	1.625 ± .010	41.28 ± 0.25	1.342 ± .005	34.09 ± 0.13	0.421 ± .005	10.69 ± 0.13	0.500 ± .007	12.70 ± 0.18	1.125 ± .010	28.58 ± 0.25	0.500 ± .007	12.70 ± 0.18
E 42/15mm	PE 168	1.685 ± .010	42.80 ± 0.25	0.830 ± .005	21.08 ± 0.13	0.605 ± .005	15.37 ± 0.13	0.475 ± .007	12.07 ± 0.18	1.210 ± .010	30.73 ± 0.25	0.590 ± .010	14.99 ± 0.25
E 42/20mm	PE 168A	1.685 ± .010	42.80 ± 0.25	0.830 ± .005	21.08 ± 0.13	0.605 ± .005	15.37 ± 0.13	0.475 ± .007	12.07 ± 0.18	1.210 ± .010	30.73 ± 0.25	0.787 ± .010	19.99 ± 0.25

**TSC PYROFERRIC E CORE EFFECTIVE CORE SET PARAMETERS**

PART #	MAGNETIC PATH LENGTH	EFFECTIVE CORE AREA	EFFECTIVE CORE VOLUME	CORE SET WEIGHT	INDUCTANCE INDEX		
	Le	Ae	Ve	GRAMS	AL ± 10%		
	cm	cm <sup>2</sup>	cm <sup>3</sup>		-67	-75	-LL
PE 51	2.979	0.124	0.370	2.641	40	45.5	44
PE 63	3.760	0.201	0.757	5.412	51	60	56
PE 75	3.971	0.227	0.908	6.455	57	64	59
PE 80	4.583	0.334	1.533	11.015	65	73	70
PE 99	5.745	0.554	3.185	22.978	81	96	96
PE 100	4.807	0.400	1.923	13.818	82	92	85
PE 118	6.539	0.605	3.958	31.103	80	90	90
PE 137	6.896	0.908	6.262	45.109	120	134	131
PE 162	7.860	1.613	12.677	92.182	188	210	199
PE 168	9.854	1.780	17.536	125.426	174	195	179
PE 168A	9.854	2.374	23.391	167.304	207	232	230

Magnetic parameters calculated per MMPA standard #UEI 310