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STANDARD 'E' CORE RANGE

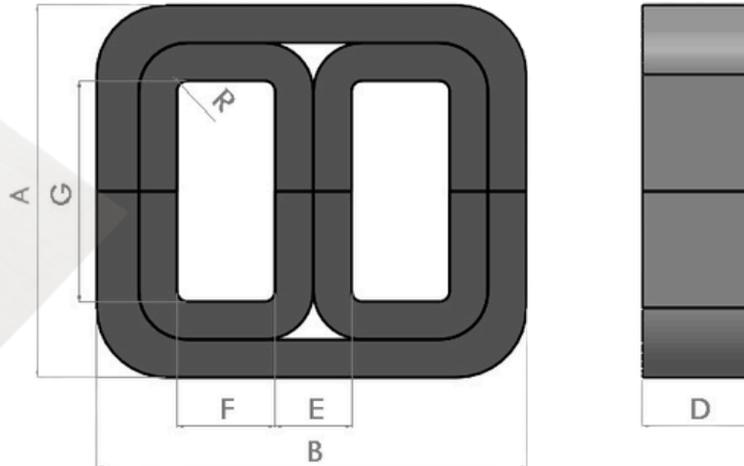
LaminaCore Solutions



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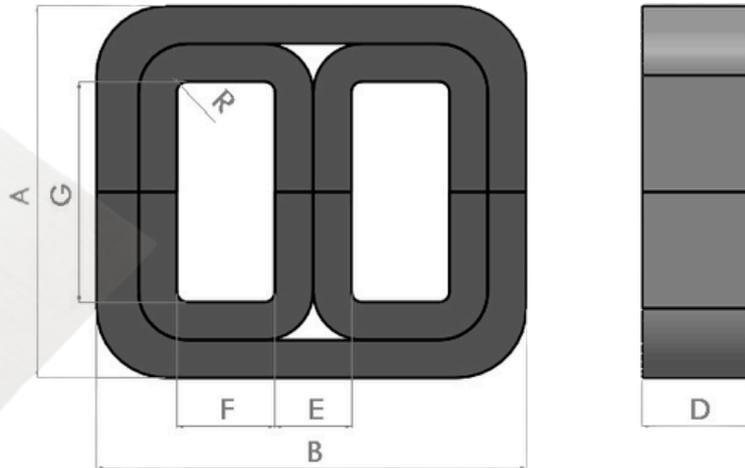
Presenter: LaminaCore Technical Team

HWE / IEC329 / FA STANDARD E CORE SERIES



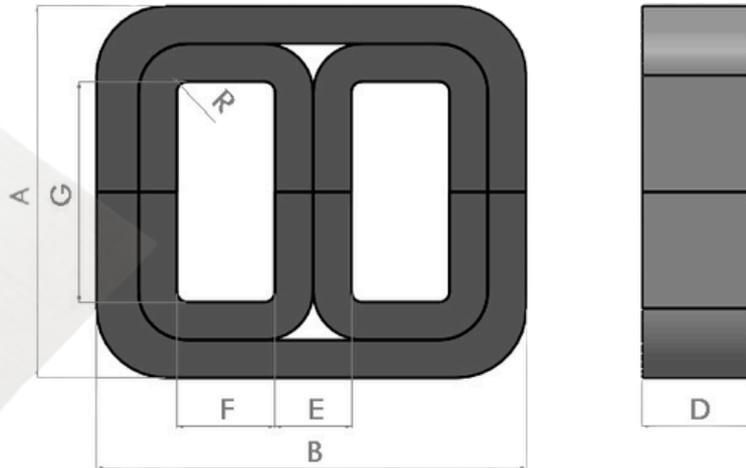
Code			Dimension (mm)									Cross section		Weight		Approx V.A.	
IEC329	HWE-	FA-	G min	F min	A min	B max	D min	D max	E min	E max	R	Ae (cm ²) 0.3mm	Ae (cm ²) 0.1mm	m (Kg) 0.3mm	m (Kg) 0.1mm	0.3mm 50Hz	0.1mm 400Hz
		EA08	25	13	47	54	8	9	8	9	1.6	0.62	0.6	0.08	0.073		
		EA13	-	-	-	-	13	14	-	-	-	1.01	0.98	0.122	0.118		
		EA16	-	-	-	-	16	17	-	-	-	1.24	1.2	0.165	0.145		
		EB10	32	16	58	66	10	11	10	11	1.6	0.97	0.94	0.164	0.143		
		EB13	-	-	-	-	13	14	-	-	-	1.26	1.22	0.193	0.187		
		EB16	-	-	-	-	16	17	-	-	-	1.55	1.5	0.262	0.23		
		EB19	-	-	-	-	19	20	-	-	-	1.84	1.79	0.281	0.273		
		EB22	-	-	-	-	22	23	-	-	-	2.13	2.07	0.326	0.316		
		EC13	38	19	70	81	13	14	13	14	1.6	1.64	1.59	0.305	0.295		
		EC16	-	-	-	-	16	17	-	-	-	2.02	1.96	0.415	0.363		
		EC19	-	-	-	-	19	20	-	-	-	2.4	2.32	0.446	0.432		
3Q1	1	EC25	-	-	-	-	25	26	-	-	-	3.15	3.06	0.586	0.568	30	150
3Q2	2	ED25	44	21	82	94	25	26	16	17	1.6	3.88	3.76	0.84	0.813	45	250
3Q3	3	EF29	51	22	89	96	29	30	16	17		4.5	4.36	1.06	1.025	60	350
3Q4	4	EH32	57	25	101	111	32	33	19	20	3	5.9	5.72	1.565	1.52	100	600
3Q5	5	EK32	63	29	113	128	32	-	22	23	-	6.83	6.62	2.06	2	150	800
3Q6	6	EM32	76	35	132	149	32	-	25	26	-	7.76	7.52	2.79	2.705	250	1350
3Q7	7	EP32	89	38	159	176	32	-	32	33	-	9.93	9.63	4.2	4.075	400	2000
3Q8	8	ER38	95	44	177	203	38	39	38	39	-	14.01	13.57	6.68	6.47	700	3500
3Q9	9	ET41	108	48	196	223	41	42	41	42	-	16.31	15.8	8.62	8.35	1000	5000
3Q10	10	EV48	121	54	223	256	48	49	48	49	-	22.35	21.66	13.45	13	1700	8500
3Q11	11	EX54	127	60	241	286	54	55	54	55	-	28.29	27.41	18.5	17.95	2500	12500
3Q12	12	EZ60	140	7	266	324	60	61	60	61	-	34.92	33.84	25.7	24.9	4000	20000
	13		29	14	51	60.4	12.7	13.5	9.3	10	0.8	1.146	1.11	0.17	0.16	8	40
	14		32	16	60	73	19	19.8	12.5	13.2	0.8	2.304	2.233	0.41	0.4	16	80

S3U SERIES STANDARD E-CORE



Code	Dimension (mm)									Cross section k (cm ²)	Weight Kg	Approx V.A. 0.3mm/50 Hz
	G min	F min	A min	B max	D max	D Tol	E max	E Tol	R max			
S3U30a	32.5	10	53.7	50.9	10.1	-0.6	9.9	-0.8	1.5	0.86	0.115	7
S3U30b	-	-	-	-	16.1	-	-	-	-	1.41	0.189	15
S3U39a	41.5	13	70.9	66	13.4	-0.9	12.9	-0.8	1.5	1.51	0.262	20
S3U39b	-	-	-	-	20.4	-	-	-	-	2.36	0.409	25
S3U48a	50.5	16	83.9	80.8	16.6	-1	15.8	-0.9	1.5	2.32	0.492	30
S3U48b	-	-	-	-	25.6	-	-	-	-	3.67	0.779	40
S3U60a	63	20	104.6	100.9	20.6	-1.1	19.8	-0.9	2	3.69	0.959	60
S3U60b	-	-	-	-	30.6	-	-	-	-	5.58	1.47	100
S3U75a	78	25	129.7	125.7	26.1	-1.1	24.7	-1	2	5.93	1.82	140
S3U75b	-	-	-	-	41.1	-	-	-	-	9.48	2.93	180
S3U90a	95	30	156.8	150.6	30.9	-1.4	29.6	-1.1	3	8.41	3.33	270
S3U90b	-	-	-	-	50.9	-	-	-	-	14.11	5.59	450
S3U102a	106	34	176.4	171.1	35.4	-1.4	33.7	-1.2	3	11.05	4.94	450
S3U102b	-	-	-	-	56.4	-	-	-	-	17.88	8	700
S3U114a	118	38	196.2	191	39.2	-1.7	37.6	-1.3	3	13.54	6.78	650
S3U114b	-	-	-	-	63.2	-	-	-	-	22.2	11.1	1000
S3U132a	136	44	226.4	220.5	45.2	-1.7	43.4	-1.4	3	18.27	10.5	1000
S3U132b	-	-	-	-	71.2	-	-	-	-	29.19	16.8	1800
S3U150a	154	50	255.6	249.6	51.2	-1.7	49.4	-1.5	3	23.71	15.5	2000
S3U150b	-	-	-	-	76.2	-	-	-	-	35.69	23.4	3000
S3U168a	172	56	286	279.6	57	-2	55.3	-1.6	3	29.54	21.7	3000
S3U168b	-	-	-	-	91	-	-	-	-	47.49	35.1	4000
S3U180a	184	60	307.2	301	62	-2	59.7	-1.8	3	34.74	27.4	3500
S3U180b	-	-	-	-	77	-	-	-	-	43.43	34.2	4500
S3U180c	-	-	-	-	92	-	-	-	-	52.11	41.1	5000
S3U210a	214	70	357.2	350.8	71.7	-2.2	69.6	-2	3	46.98	43.1	6000
S3U210b	-	-	-	-	101.7	-	-	-	-	67.26	61.7	8000
S3U210c	-	-	-	-	131.7	-	-	-	-	87.54	80.4	10000

HSD SERIES STANDARD E-CORE



Code	Dimension (mm)									Flux path L (cm)	Ae (cm ²)	m (kg)	Approx V.A. 0.3mm/50Hz
	G min	F min	A max	B max	D		E		R max				
					min	max	min	max					
HSD10×20×20	20	12.5	42	57.6	19.8	20.5	9.7	10.4	1.5	5.22	1.92	0.23	2.53
HSD10×20×25	25	-	47	-	-	-	-	-	-	5.72	-	0.25	3.69
HSD10×20×32	32	-	54	-	-	-	-	-	-	6.42	-	0.28	5.53
HSD10×20×40	40	-	62	-	-	-	-	-	-	7.22	-	0.32	7.36
HSD12.5×25×25	25	16	54	72.4	24.8	25.5	12.2	13	2	6.55	3	0.45	13.9
HSD12.5×25×32	32	-	61	-	-	-	-	-	-	7.25	-	0.5	20.1
HSD12.5×25×40	40	-	69	-	-	-	-	-	-	8.05	-	0.55	26.4
HSD12.5×25×50	50	-	79	-	-	-	-	-	-	9.05	-	0.62	35.4
HSD16×32×32	32	20	68	91.1	31.8	32.6	15.7	16.5	2	8.36	4.92	0.95	47.2
HSD16×32×40	40	-	76	-	-	-	-	-	-	9.16	-	1.03	67.7
HSD16×32×50	50	-	86	-	-	-	-	-	-	10.2	-	1.14	93.4
HSD16×32×64	64	-	100	-	-	-	-	-	-	11.6	-	1.3	127
HSD20×32×40	40	25	86	113.4	31.8	32.6	19.7	20.6	2	10.5	6.14	1.49	143
HSD20×32×50	50	-	96	-	-	-	-	-	-	11.5	-	1.63	184
HSD20×32×64	64	-	110	-	-	-	-	-	-	12.9	-	1.83	225
HSD20×32×80	80	-	126	-	-	-	-	-	-	14.5	-	2.05	281
HSD25×40×50	50	32	106	142.8	39.8	40.6	24.7	25.6	3	13.2	9.6	2.91	302
HSD25×40×64	64	-	120	-	-	-	-	-	-	14.6	-	3.22	370
HSD25×40×80	80	-	136	-	-	-	-	-	-	16.2	-	3.57	457
HSD25×40×100	100	-	156	-	-	-	-	-	-	18.2	-	4.01	556
HSD32×50×64	64	40	134	180.4	49.8	50.6	31.7	32.8	2.5	16.8	15.36	5.95	720
HSD32×50×80	80	-	150	-	-	-	-	-	-	18.4	-	6.51	839
HSD32×50×100	100	-	170	-	-	-	-	-	-	20.4	-	7.22	1038
HSD32×50×125	125	-	195	-	-	-	-	-	-	22.9	-	8.1	1275
HSD40×64×80	80	50	168	224.4	63.8	64.7	39.7	40.8	3	21.1	24.58	11.89	1600
HSD40×64×100	100	-	188	-	-	-	-	-	-	23.1	-	13.01	1963
HSD40×64×125	125	-	213	-	-	-	-	-	-	25.6	-	14.42	2396
HSD40×64×160	160	-	248	-	-	-	-	-	-	29.1	-	16.4	3006
HSD50×80×100	100	64	208	282.8	79.8	80.7	49.7	50.8	3	26.6	38.4	23.43	3550
HSD50×80×125	125	-	233	-	-	-	-	-	-	29.1	-	25.6	4283
HSD50×80×160	160	-	268	-	-	-	-	-	-	32.6	-	28.72	5296
HSD50×80×200	200	-	308	-	-	-	-	-	-	36.6	-	32.24	6366