



D4000 Range Transformers

D4000 Standard Range Specifications - 30VA										
Load VA	Secondary RMS V	Secondary RMS Current	Diameter mm	Height mm	Diameter inches	Height Inches	Weight Kg	Weight Pounds	AVEL P/N	Mounting Details
30	6 + 6	2.50	70	31	2.8	1.2	0.42	0.9	D4000	
30	9 + 9	1.67	70	31	2.8	1.2	0.42	0.9	D4001	
30	12 + 12	1.25	70	31	2.8	1.2	0.42	0.9	D4002	Dish: 50mm X 1m
30	15 + 15	1.00	70	31	2.8	1.2	0.42	0.9	D4003	2.0" x 0.04"
30	18 + 18	0.83	70	31	2.8	1.2	0.42	0.9	D4004	(2) pads, uncompressed 2mm
30	22 + 22	0.68	70	31	2.8	1.2	0.42	0.9	D4005	Bolt M5 x 40m
30	25 + 25	0.60	70	31	2.8	1.2	0.42	0.9	D4006	
30	30 + 30	0.50	70	31	2.8	1.2	0.42	0.9	D4007	

D4000 Standard Range Specifications - 60VA										
Load VA	Secondary RMS V	Secondary RMS Current	Diameter mm	Height mm	Diameter inches	Height Inches	Weight Kg	Weight Pounds	AVEL P/N	Mounting Details
60	9 + 9	3.33	88	34	3.5	1.3	0.85	1.9	D4010	
60	12 + 12	2.50	88	34	3.5	1.3	0.85	1.9	D4011	
60	15 + 15	2.00	88	34	3.5	1.3	0.85	1.9	D4012	
60	18 + 18	1.67	88	34	3.5	1.3	0.85	1.9	D4013	Dish: 70mm x 1mm
60	22 + 22	1.36	88	34	3.5	1.3	0.85	1.9	D4014	2.8" x 0.04"
60	25 + 25	1.20	88	34	3.5	1.3	0.85	1.9	D4015	(2) pads, uncompressed each thick
60	30 + 30	1.00	88	34	3.5	1.3	0.85	1.9	D4016	
60	110	0.55	88	34	3.5	1.3	0.85	1.9	D4017	Bolt M6 x 40m
60	120 + 120	0.25	88	34	3.5	1.3	0.85	1.9	D4019A	
60	220	0.27	88	34	3.5	1.3	0.85	1.9	D4018	
60	240	0.25	88	34	3.5	1.3	0.85	1.9	D4019	

D4000 Standard Range Specifications - 100VA										
Load VA	Secondary RMS V	Secondary RMS Current	Diameter mm	Height mm	Diameter inches	Height Inches	Weight Kg	Weight Pounds	AVEL P/N	Mounting Details
100	12 + 12	4.17	91	45	3.6	1.8	1.2	2.7	D4020	
100	15 + 15	3.33	91	45	3.6	1.8	1.2	2.7	D4021	

100	18 + 18	2.78	91	45	3.6	1.8	1.2	2.7	D4022
100	22 + 22	2.27	91	45	3.6	1.8	1.2	2.7	D4023
100	25 + 25	2.00	91	45	3.6	1.8	1.2	2.7	D4024
100	30 + 30	1.67	91	45	3.6	1.8	1.2	2.7	D4025
100	110	0.91	91	45	3.6	1.8	1.2	2.7	D4126
100	110 + 110	0.45	91	45	3.6	1.8	1.2	2.7	D4026
100	120 + 120	0.42	91	45	3.6	1.8	1.2	2.7	D4029
100	220	0.45	91	45	3.6	1.8	1.2	2.7	D4027
100	240	0.42	91	45	3.6	1.8	1.2	2.7	D4028

Dish
70mm x 1mm
2.8" x 0.04"

(2) pads, uncompressed
each thick

Bolt M6 x 50m

D4000 Standard Range Specifications - 160VA

Load VA	Secondary RMS V	Secondary RMS Current	Diameter mm	Height mm	Diameter inches	Height Inches	Weight Kg	Weight Pounds	AVEL P/N	Mounting Details
160	18 + 18	4.44	113	45	4.5	1.8	1.90	4.2	D4030	
160	22 + 22	3.64	113	45	4.5	1.8	1.90	4.2	D4031	
160	25 + 25	3.20	113	45	4.5	1.8	1.90	4.2	D4032	
160	30 + 30	2.67	113	45	4.5	1.8	1.90	4.2	D4033	Dish 90mm x 1mm 3.6" x 0.04"
160	35 + 35	2.29	113	45	4.5	1.8	1.90	4.2	D4034	
160	110	1.46	113	45	4.5	1.8	1.90	4.2	D4035	(2) pads, uncompressed 2mm
160	110 + 110	0.73	113	45	4.5	1.8	1.90	4.2	D4038	Bolt M6 x 50m
160	120 + 120	0.67	113	45	4.5	1.8	1.90	4.2	D4039	
160	220	0.73	113	45	4.5	1.8	1.90	4.2	D4036	
160	240	0.67	113	45	4.5	1.8	1.90	4.2	D4037	

D4000 Standard Range Specifications - 230VA

Load VA	Secondary RMS V	Secondary RMS Current	Diameter mm	Height mm	Diameter inches	Height Inches	Weight Kg	Weight Pounds	AVEL P/N	Mounting Details
230	25 + 25	4.60	120	51	4.7	2.0	2.67	5.9	D4040	
230	30 + 30	3.83	120	51	4.7	2.0	2.67	5.9	D4041	
230	35 + 35	3.29	120	51	4.7	2.0	2.67	5.9	D4042	
230	40 + 40	2.88	120	51	4.7	2.0	2.67	5.9	D4043	Dish 110mm x 1mm 4.3" x 0.04"
230	110	2.09	120	51	4.7	2.0	2.67	5.9	D4044	
230	110 + 110	1.05	120	51	4.7	2.0	2.67	5.9	D4047	(2) pads, uncompressed 2mm
230	120 + 120	0.96	120	51	4.7	2.0	2.67	5.9	D4049	Bolt M8 x 60m
230	220	1.05	120	51	4.7	2.0	2.67	5.9	D4045	
230	240	0.96	120	51	4.7	2.0	2.67	5.9	D4046	

D4000 Standard Range Specifications - 330VA

Load VA	Secondary RMS V	Secondary RMS Current	Diameter mm	Height mm	Diameter inches	Height Inches	Weight Kg	Weight Pounds	AVEL P/N	Mounting Details
330	25 + 25	6.60	133	52	5.2	2.1	3.30	7.3	D4050	
330	30 + 30	5.50	133	52	5.2	2.1	3.30	7.3	D4051	

330	35 + 35	4.71	133	52	5.2	2.1	3.30	7.3	D4052	Dish 110mm x 1mm 4.3" x 0.04" (2) pads, uncompressed 2mm Bolt M8 x 60mm
330	40 + 40	4.13	133	52	5.2	2.1	3.30	7.3	D4053	
330	45 + 45	3.67	133	52	5.2	2.1	3.30	7.3	D4054	
330	110	3.00	133	52	5.2	2.1	3.30	7.3	D4055	
330	120 + 120	1.38	133	52	5.2	2.1	3.30	7.3	D4059	
330	220	1.50	133	52	5.2	2.1	3.30	7.3	D4056	
330	240	1.38	133	52	5.2	2.1	3.30	7.3	D4057	

D4000 Standard Range Specifications - 530VA										
Load VA	Secondary RMS V	Secondary RMS Current	Diameter mm	Height mm	Diameter inches	Height Inches	Weight Kg	Weight Pounds	AVEL P/N	Mounting Details
530	30 + 30	8.83	150	61	5.9	2.4	5.00	11.0	D4060	Dish 110mm x 1mm 4.3" x 0.04" (2) pads, uncompressed 2mm Bolt M8 x 80mm
530	35 + 35	7.57	150	61	5.9	2.4	5.00	11.0	D4061	
530	40 + 40	6.63	150	61	5.9	2.4	5.00	11.0	D4062	
530	45 + 45	5.89	150	61	5.9	2.4	5.00	11.0	D4063	
530	50 + 50	5.30	150	61	5.9	2.4	5.00	11.0	D4064	
530	110	4.82	150	61	5.9	2.4	5.00	11.0	D4065	
530	120 + 120	2.21	150	61	5.9	2.4	5.00	11.0	D4069	
530	220	2.41	150	61	5.9	2.4	5.00	11.0	D4066	
530	240	2.21	150	61	5.9	2.4	5.00	11.0	D4067	

All Dimensions +/- 2mm/.08"

Temperature Rise Above Ambient At Maximum Continuous VA Rating				
Load VA	Regulation %	Temperature Rise C	Iron Loss W	Copper Loss W
30	16	50	0.4	4.8
60	13	50	0.9	7.8
100	10	50	1.2	10.0
160	9	56	2.0	14.4
230	8	56	2.8	18.4
330	7	58	3.4	23
530	6	60	5.0	32

If preferred, transformers may be operated at a lower temperature with improved regulation. The following table indicates temperature rise which can be expected under continuous conditions at lower VA ratings:

Temperature Rise At Lower VA Ratings			
Derated VA From To		Regulation%	Temperature Rise C
30	20	11	25
60	50	10	35
100	75	8	35
160	120	6	35
230	175	6	35
330	250	5	35
530	400	4	40

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