

ESaver-33L Transformers for Typical Light Loading Applications

Transformer Selection by Application

OPAL Transformer	Loading	Application
ESaver-33L	Typical light loading	Office, education, healthcare, commercial, most institutional, residential

OPAL (Optimized Performance for the Application Load) Transformer Information

Transformer	Optimized Load Range	Savings Beyond US DOE 2016 (Reduction in Losses)	Temperature Rise	Winding Material	Continuous Overload Capacity	K-Rating
ESaver-33L	0-25%	33%	<130°C	CU	5%	K7

Information applies to product(s) manufactured at time of printing and therefore is for general reference. Call for current product information for specific models being considered.

kVA	No Load Losses (Watts)	Efficiency Information			BTUs/Hr.		Dimensions			
		Linear Profile		K-7 Profile	50% Load	100% Load	W (in.)	D (in.)	H (in.)	Wt. (lbs.)
		1/6 Load	35% Load	25% Load						
15	34	98.18	98.20	98.20	536	2,399	18	17	27	280
20	42	98.27	98.29	98.27	664	2,856	26	18	30	323
25	50	98.36	98.39	98.33	792	3,313	26	18	30	365
30	58	98.45	98.48	98.40	863	3,395	26	18	30	410
45	83	98.55	98.62	98.50	1,160	4,664	26	18	30	530
50	88	98.59	98.65	98.53	1,246	5,055	32	22	40	597
63	101	98.68	98.72	98.62	1,532	6,254	32	22	40	760
75	112	98.77	98.78	98.70	1,795	7,326	32	22	40	770
100	142	98.84	98.85	98.77	2,150	8,670	32	22	40	925
112.5	158	98.87	98.89	98.80	2,344	9,287	32	22	40	1,040
125	173	98.88	98.92	98.83	2,423	9,479	38	27	48	1,165
150	204	98.91	98.97	98.90	2,972	11,799	38	27	48	1,270
175	231	98.94	99.00	98.93	3,371	13,688	38	27	48	1,385
200	258	98.97	99.03	98.97	3,511	13,559	38	27	48	1,490
225	285	99.00	99.06	99.00	3,774	14,610	38	32	52	1,660
250	309	99.02	99.08	99.00	4,124	15,947	38	32	52	1,700
300	356	99.07	99.12	99.00	4,886	18,879	38	32	52	1,910
400	438	99.13	99.17	99.05	6,094	23,676	52	32	61	2,515
450	478	99.15	99.20	99.08	6,613	25,805	52	38	61	2,718
500	519	99.18	99.22	99.10	7,131	27,934	52	38	61	2,920
600	599	99.21	99.25	99.14	8,216	32,121	52	38	61	3,320
750	718	99.2%	99.29	99.20	9,438	36,836	64	45	67	4,010

SHEET NOTE

POWERSMITHS ESAVER-33L SERIES. UL 1561 LISTED. K-7 RATING. LOCKING HINGED DOORS. COPPER WINDINGS, 130° C RISE. IMPEDANCES 4.0%-5.8%. SIX 2 ½% VOLTAGE TAPS (2 ABOVE, 4 BELOW). SOUND LEVELS 3DB LESS THAN NEMA ST-20. 33% LESS LOSSES AT APPLICABLE LOADING. 5% CONTINUOUS OVERLOAD CAPABILITY. INSTALLATION TO WITHIN 2" OF REAR SURFACE. GUARANTEED COMPATIBILITY WITH 125% RATED UPSTREAM CIRCUIT BREAKER. PROVIDE ENERGY SAVINGS & PAYBACK CALCULATION AGAINST US DOE 2016 X-FMRS. PROVIDE A COPY OF ISO 17025 REGISTRATION. PROVIDE INTEGRAL LOAD POWER AND ENERGY DATA LOGGER WITH EXTERNAL USB ACCESS TO DATA. PROVIDE TEST REPORT, BY SERIAL NUMBER, OF EACH TRANSFORMER SUPPLIED WITH SOUND LEVEL AND NO LOAD LOSS PERFORMANCE. 32 YEAR WARRANTY.