

# ESaver-25H Transformers for Heavy Loading Applications

## Transformer Selection by Application

OPAL Transformer	Loading	Application
ESaver-25H	Heavy loading	Dedicated equipment (fans, pumps, elevators), labs, broadcast, datacenter, industrial

## 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-25H	75-100%	25%	<105°C	CU/AL	20%	K13

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.

### SHEET NOTE

POWERSMITHS ESAVER-25H SERIES. UL 1561 LISTED. K-13 RATING. LOCKING HINGED DOORS. CU PRIMARY/AL SECONDARY, 105° C RISE. IMPEDANCES 4.0%-5.8%. SIX 2 ½% VOLTAGE TAPS (2 ABOVE, 4 BELOW). SOUND LEVELS 3DB LESS THAN NEMA ST-20. 25% LESS LOSSES AT APPLICABLE LOADING. 20% 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.

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	41	98.04	98.28	98.12	471	1,675	18	17	27	305
20	53	98.10	98.31	98.21	564	1,941	26	18	30	322
25	64	98.16	98.35	98.31	705	2,426	26	18	30	403
30	75	98.22	98.38	98.40	798	2,692	26	18	30	420
45	113	98.26	98.51	98.54	1,095	3,740	26	18	30	570
50	121	98.30	98.54	98.57	1,118	3,823	32	22	40	583
63	142	98.40	98.61	98.64	1,408	4,817	32	22	40	735
75	162	98.49	98.68	98.70	1,587	5,435	32	22	40	830
100	209	98.54	98.75	98.77	1,962	6,623	32	22	40	985
112.5	233	98.57	98.78	98.81	2,187	7,425	32	22	40	970
125	247	98.62	98.81	98.84	2,320	7,810	38	27	48	1,230
150	275	98.71	98.88	98.89	2,685	8,994	38	27	48	1,370
175	306	98.75	98.91	98.92	2,925	10,001	38	27	48	1,430
200	337	98.80	98.95	98.95	3,343	11,430	38	27	48	1,635
225	369	98.84	98.98	98.98	3,583	12,437	38	32	52	1,695
250	399	98.86	99.01	99.00	3,819	12,989	38	32	52	1,736
300	460	98.91	99.08	99.04	4,436	14,839	38	32	52	1,950
400	571	98.98	99.13	99.09	5,643	19,198	52	32	61	2,540
450	626	99.01	99.16	99.12	5,997	20,262	52	38	61	2,725
500	681	99.04	99.18	99.14	6,350	21,325	52	38	61	2,910
600	785	99.07	99.18	99.17	7,421	24,556	52	38	61	3,500
750	941	99.11	99.18	99.21	8,806	29,483	64	45	67	4,330