

# T1000-30H Transformers for Harmonic Rich Loading Applications

## Transformer Selection by Application

OPAL Transformer	Loading	Application
<b>T1000-30H</b>	Harmonic rich loading	Medical, computer rooms, casinos. To prevent voltage distortion from becoming excessive

## 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
<b>T1000-30H</b>	50-100%	30%	<105°C	CU	20%	K20

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-13 Profile	50% Load	100% Load	W (in.)	D (in.)	H (in.)	Wt. (lbs.)
		35% Load	50% Load	50% Load						
15	49	98.08	98.15	97.90	563	2,071	18	17	27	320
20	59	98.18	98.25	97.97	620	2,208	26	18	30	367
25	69	98.28	98.35	98.03	776	2,760	26	18	30	458
30	79	98.38	98.45	98.10	833	2,897	26	18	30	505
45	110	98.54	98.49	98.20	1,133	3,856	26	18	30	605
50	118	98.57	98.52	98.23	1,181	3,910	32	22	40	655
63	139	98.65	98.59	98.32	1,455	5,025	32	22	40	738
75	158	98.72	98.66	98.40	1,706	6,060	32	22	40	810
100	226	98.80	98.81	98.53	2,204	6,947	32	22	40	1,040
112.5	260	98.84	98.88	98.60	2,269	7,793	32	22	40	1,090
125	262	98.87	98.89	98.60	2,413	8,304	38	27	48	1,176
150	266	98.93	98.90	98.60	2,798	9,646	38	27	48	1,380
175	302	98.96	98.92	98.63	3,150	11,062	38	27	48	1,488
200	339	98.99	98.95	98.67	3,501	12,478	38	27	48	1,595
225	375	99.02	98.97	98.70	3,835	13,143	38	32	52	1,765
250	405	99.05	99.01	98.73	4,088	14,139	38	32	52	1,807
300	466	99.10	99.10	98.80	4,750	16,548	38	32	52	2,030
400	556	99.16	99.13	98.80	5,814	19,987	52	32	61	2,755
450	602	99.18	99.15	98.80	6,367	22,362	52	38	61	2,940
500	647	99.21	99.16	98.80	6,920	24,737	52	38	61	3,125
600	764	99.24	99.20	98.88	7,714	26,938	52	38	61	3,694
750	939	99.28	99.26	99.00	9,151	31,383	64	45	67	4,570

### SHEET NOTE

POWERSMITHS T1000-30H HMT SERIES. UL 1561 LISTED. K-20 RATING. LOCKING HINGED DOORS. COPPER WINDINGS, 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. 30% 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.