

HPS Sentinel Part Number Guide

Example

Family	Appl. Type	Generation	Phase	kVA				Pri. Volt.	Sec. Volt.	K Rating	Winding Material/ Electrostatic Shield	Temp. Rise & Insul. Class	Enclosure	Sound Level	Special Duty
S	G	3	A	0	0	4	5	K	B	0	K	F	K	3	M
Family: S - Sentinel				kVA: kVA Rating						K Rating: 0 = None* 4 = K4 9 = K9 3 = K13 2 = K20 (max. 300 kVA)				Sound Level: 0 = Standard* 3 = -3 dB 5 = -5 dB 8 = -8 dB	
Type: G - General K - K Rated H - Harmonic Mitigation				Primary Voltage: 1PH B 208 D 240 F 277 H 416 K 480 L 240x480 P 600 X multiple						Winding Material/Electrostatic Shield: A - Aluminum* S - AL + Shield C - Copper K - CU + Shield				Special Duty: None = Default D = Land Drilling M = Marine Duty	
Generation: 3 - current designs				Secondary Voltage: 1PH B 208 D 240 E 120/240 K 480 P 600 Y 380Y/220V w taps at 400Y, 416Y and 430Y						Temperature Rise at standard 220°C Insulation Class: B - 80°C F - 115°C G - 130°C H - 150°C*					
Phase (Pri-Sec)¹: A - 3PH Delta-Wye-N B - 3PH Wye-N-Delta C - 3PH Delta-Delta/CT ² D - 3PH Delta-Delta Y - 3PH Wye-N-Wye-N T - 3PH Delta Zig Zag- 0° PH Shift U - 3PH Wye-N Zig Zag- -30°PH Shift L- 1PH Single-Dual N- 1PH Dual-Dual M- 1PH Multiple-Dual										Enclosure: A - Type 1 B - Type 2 C - Type 3R* D - Type 3RE E - Type 3RX F - Type 4 ³ G - Type 4X (304SS) ³ H - Type 4X (316SS) ³ K - Type 12 ³ X - None (Core & Coil)					

¹ Standard configurations winding vector per UL 1560

² Available standard only with 240D/120CT secondaries

³ Outside of DOE/NRCan scope - non-energy efficient product provided unless otherwise specified

* Default options -ignore if all following characters are default values.

Support & Resources

No other transformer company can offer our service and quality in a full range of products.

Transformer Efficiency Calculator



The HPS Efficiency Calculator allows you to determine how much money and energy you can save by switching to a HPS Sentinel G, K, or H transformer. Visit the "Online Tools" area of the HPS website.

Extensive Inventory



We carry a complete inventory of Distribution Transformers throughout North America to quickly meet your needs.

Current Calculator



Calculate the Amps, Volts, or kVA of a transformer. Visit the "Online Tools" area of the HPS website.

Live Telephone Technical Support



Our inside sales team is available to quickly answer your questions. They are technically trained and able to answer most questions right over the phone.

Fast On-Site Response



On-site technicians are available to assist with any technical problems or issues that cannot be resolved over the phone.

Easy-To-Access Installation Manuals



All transformer installation manuals are conveniently located on our website so you can access them anywhere, anytime.