



HPS Sentinel[®] Energy Efficient Distribution Transformer



Compliant to DOE 2016
Efficiency Standards

power to perform



HPS Sentinel®

Energy Efficient Distribution Transformers

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This catalog contains product information for DOE 2016 compliant energy efficient low voltage distribution transformers. For product information pertaining to the Canadian efficiency regulation SOR/94-651 (CSA C802.2), please refer to the HTP-16 catalog.



Improved Efficiency For A Greener Tomorrow

Transformers have been and remain an essential part of our electrical infrastructure. Everywhere we look there is a transformer supplying power to industrial, commercial, or residential applications.

Improving the energy efficiency of new transformers is a primary goal of the U.S. Department of Energy (DOE). The DOE has established new and more stringent Energy Efficiency levels for transformers in the U.S. effective January 1st, 2016.

HPS proudly supports the new legislation and the environmental benefits resulting from using higher efficiency transformers.

2.9
additional
acres of forest
in one year

DOE 2016 Environmental Benefits

Upgrading one 75kVA transformer to a new DOE 2016 design translates to one of the following environmental benefits per year*:

403
gallons of
gasoline consumed

1.3
tons of waste
sent to the
landfill

3,846
pounds of
coal burned

*Estimated savings based on a pre TP-1 upgrade and a mix of energy sources. Calculations derived from www.epa.gov/cleanenergy/energy-resources/calculator.html

DOE 2016 Efficiency Guidelines

The latest Department of Energy (DOE) 10 CFR Part 431 ruling, originally published on April 18th, 2013, mandates new efficiency levels effective January 1st, 2016 known as DOE 2016. DOE 2016 will require all liquid filled and dry-type distribution transformers manufactured on or after January 1st, 2016 and sold into any U.S. state after this date to comply with the new energy efficiency standards. This applies to:

Low Voltage Dry-type Distribution:



1PH 15-333kVA
3PH 15-1000kVA

* Non-ventilated and potted transformers are exempt from these efficiency requirements

New Energy Efficiency Levels

The new energy efficiency levels for low voltage dry-type distribution transformers mandated as of January 1st, 2016 are as follows:

Single Phase		Three Phase	
kVA	Efficiency (%)	kVA	Efficiency (%)
15	97.70	15	97.89
25	98.00	30	98.23
37.5	98.20	45	98.40
50	98.30	75	98.60
75	98.50	112.5	98.74
100	98.60	150	98.83
167	98.70	225	98.94
250	98.80	300	99.02
333	98.90	500	99.14
		750	99.23
		1000	99.28

Note: All efficiency values are at 35% of nameplate-rated load, determined according to the DOE Test Method for Measuring the Energy Consumption of Distribution Transformers under Appendix A to Subpart K of 10 CFR part 431.

DOE 2016 Compliant HPS Distribution Transformers

The DOE 2016 product lines have been redesigned based on extensive customer input resulting in industry leading technologies and materials to meet your most demanding applications.

HPS has three lines of low voltage DOE 2016 compliant energy efficient distribution transformers:

Linear Load General Purpose Transformers - HPS Sentinel G:

Rated for 600 volts and below and are generally used for supplying appliance, lighting, heating, motorized machine and power loads from electrical distribution system.

K-Factor Transformers - HPS Sentinel K:

Specifically designed to handle the harmonics generated by non-linear loads such as computer and telecommunication equipment, drives and other power electronics.

Harmonic Mitigating Transformers - HPS Sentinel H:

Superior to k-rated transformers, they are designed to treat the harmonics generated by computer equipment and other non-linear, power electronic loads. HMT's combine zero sequence flux cancellation with phase shifting to mitigate 3rd, 5th, 7th, 9th, 15th, 17th, and 19th harmonics within their secondary windings.

HPS Sentinel[®]

Energy Efficient Distribution Transformers

BENEFITS

- HPS Sentinel G, K, and H product lines meet the efficiency standards outlined in DOE 10 CFR Part 431 offering significant energy savings to our customers and positive societal/environmental benefits.
- Standard Type 3R enclosure suitable for indoor or outdoor applications.
- For our customers, higher efficiency translates into:
 - Increased profitability due to lower operating costs
 - Decreased cost of ownership over the lifetime of the transformer
 - Less air conditioning cost due to lower heat emissions
- Expanded catalog low voltage product - up to 1000kVA
- Standard 10kV BIL rating on DOE 2016 low voltage distribution transformer products providing increased reliability and protection against critical equipment failure (including voltage spikes and other line transients).
- Standard integral floor and wall mounting brackets up to 45kVA allow for faster installation.
- All units utilize a uniform 220°C insulation system with a 80°C, 115°C, or 150°C temperature rise.
- Industry leading design solutions, technology and materials continue the legacy of quality and reliability in all HPS products.



FEATURES

Core & Coil Construction:

- Manufactured from quality non-aging, cold rolled, silicon steel laminations using state-of-the-art equipment
- Cores are precision cut to close tolerances which eliminates burrs and improves performance
- Core is coated to prevent the ingress of moisture
- Precision wound with copper or aluminum conductors that are electrically balanced to minimize axial forces during short-circuit conditions
- Robust interface between core & coils for better short circuit performance

Conductor material: Copper or Aluminum

Temperature rise: 150°C typical (low rise options avail.)

Insulation system: 220°C



Standard type 3R enclosure on all low voltage HPS transformers



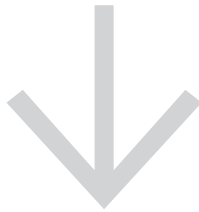
Integrated wall mounting brackets for added convenience at no extra cost



Expanded neutral bar for multiple customer connections

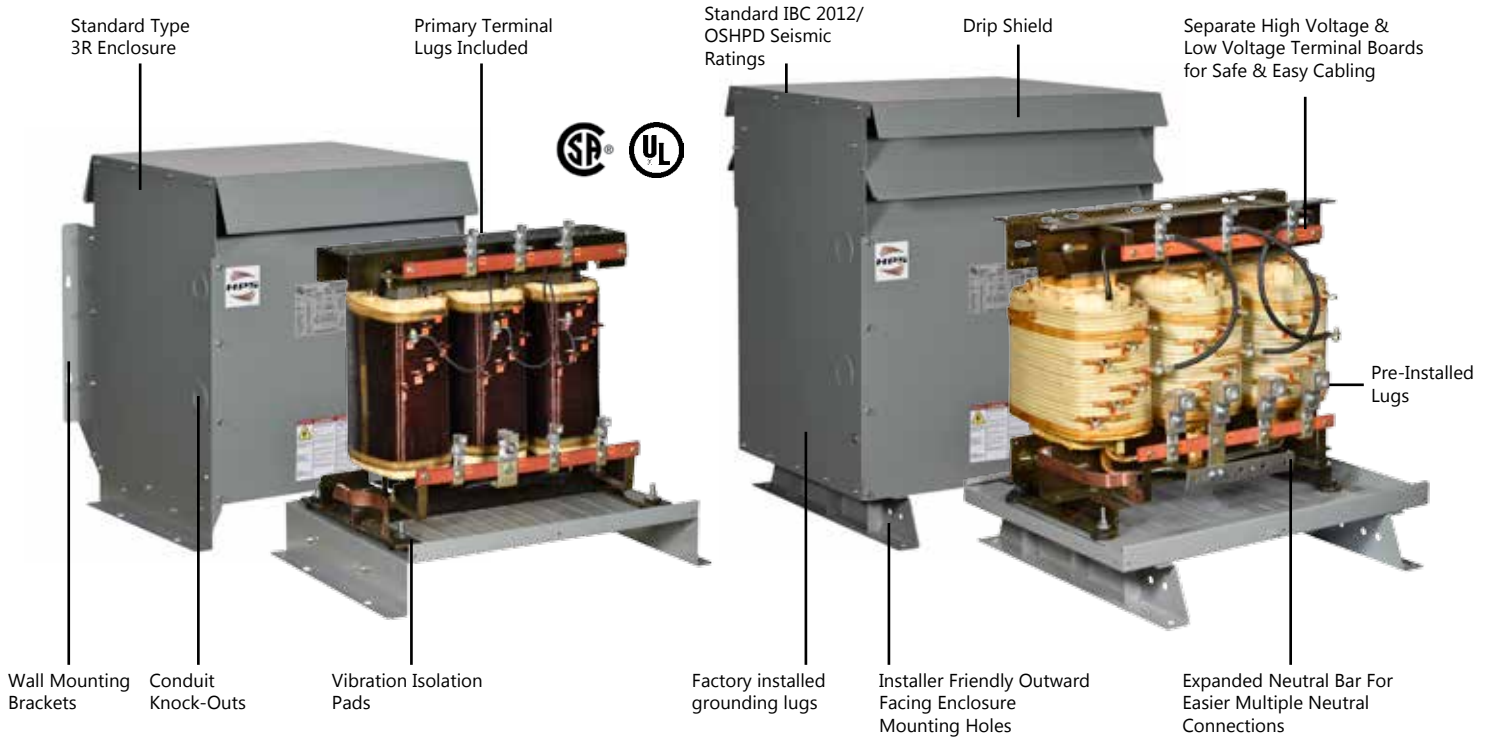
Installation made fast & easy!

Tired of spending extra money on labor and material to install optional transformer features? Purchasing an HPS Sentinel Transformer will save you all these additional costs. HPS Sentinel has these optional features pre-installed as part of our standard product line.



Testing

All HPS transformers are tested at HPS prior to shipment. They must meet very stringent quality criteria prior to release.



Factory installed main grounding lugs



Bottom cable entry area where applicable



Offset outward facing floor installation holes for easy power tool access

HPS Sentinel®

Energy Efficient Distribution Transformers

Specifications & Accessories - Copper or Aluminum



15 to 45 kVA



75 to 150 kVA



225 to 1000 kVA

STANDARD SPECIFICATIONS

kVA:	15-1000kVA	Termination:	Front accessible separate high and low voltage terminals; connectors suitable for aluminum and copper are provided for easy cable installation.
UL Listed:	File: E112313	Conduit Entry:	Side knock-outs standard on all units; Bottom entry provision (exceptions apply)
CSA Certified:	File: LR3902	Impedance:	Typically 3.5% to 6.5%
Frequency:	60 Hz (optional 50/60 Hz available)	Mounting:	Floor or wall/ceiling mounting available. Refer to selection tables for details.
Insulation System:	220°C (150°C rise) (optional 115°C & 80°C rise available)	Seismic:	Seismically qualified according to the International Building Code (IBC) 2012, and the American Society of Civil Engineers ASCE 7-10 specifications, with the following design parameters: Spectral acceleration: $S_{DS} \leq 2.0$ g Importance factor: $I_p = 1.5$ Attachment/height ratio: $z/h = 1.0$ " O.S.H.P.D. California Certified
BIL Rating:	10 kV (on all 3PH low voltage products)	Sound Level:	Meets NEMA ST-20 standards (optional low noise units available)
Enclosure Type:	Heavy duty ventilated Type 3R standard (optional Type 4, 4X (stainless steel) & 12)	Warranty:	10 years
Enclosure Finish:	ANSI 61 Grey, UL50		
Neutral:	Neutral terminal for field connection (on applicable units)		
Standard Primary Taps:	Refer to wiring diagrams for details		
Optional Accessories:	<ul style="list-style-type: none"> • Thermal sensing & indication • Thermocouples • Thermometers (analog/digital) • Thermostat alarm / trip (N.O. /N.C. contacts) • Electrostatic shielding • Rated to handle current harmonics [K4] [K9] [K13] • Strip heater (space heater to prevent condensation) • Surge protection devices • Type 3R or 4X available in stainless steel • Type 3R enhanced with baffling for horizontal blowing rain and snow 		

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
				0	0	4	5								
S	G	3	A	0	0	4	5	K	B	0	K	F	K	3	M

Family:

S - Sentinel

Type:

G - General
K - K Rated
H - Harmonic Mitigation

Generation:

2 - current designs
3 - current designs

Phase (Pri-Sec):¹

A - 3PH Delta-Wye-N
B - 3PH Wye-N-Delta
C - 3PH Delta-Delta/CT²
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

kVA:

kVA Rating

Primary Voltage:

1PH	3PH
B 208	208D, 208Y/120
D 240	240D
F 277	
H 416	416D
K 480	480D, 480Y/277
L 240x480	
P 600	600D, 600Y/347
X multiple	

Secondary Voltage:

1PH	3PH
B 208	208D or 208Y/120
D 240	240D, 240D/120CT or 240Y/139
E 120/240	
K 480	480D or 480Y/277
P 600	600D or 600Y/347
Y	380Y/220V w taps at 400Y, 416Y and 430Y

K Rating:

0 = None*
4 = K4
9 = K9
3 = K13
2 = K20 (max. 300 kVA)

Winding Material/Electrostatic Shield:

A - Aluminum*
S - AL + Shield
C - Copper
K - CU + Shield

Temperature Rise at standard 220°C

Insulation Class:

B - 80°C
F - 115°C
G - 130°C
H - 150°C*

Enclosure:

A - Type 1	F - Type 4 ³
B - Type 2	G - Type 4X (304SS) ³
C - Type 3R*	H - Type 4X (316SS) ³
D - Type 3RE	K - Type 12 ³
E - Type 3RX	X - None (Core & Coil)

Sound Level:

0 = Standard*
3 = -3 dB
5 = -5 dB
8 = -8 dB

Special Duty:

None = Default
D = Land Drilling
M = Marine Duty

¹ Standard configurations winding vector per UL 1560

² Available standard only with 240D/120CT secondaries

³ Outside of DOE 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.

Selection Tables

HPS Sentinel G

Energy Efficient General Purpose Distribution



ALUMINUM WOUND, SINGLE PHASE

208 Primary Volts

120/240 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG2L0015BE	NH5	19.40	20.20	21.50	170	F or W/C *	SCD 32
25	SG2L0025BE	NH6	23.90	25.00	28.75	220	F or W/C *	SCD 31
37.5	SG2L0037BE	NH6	23.90	25.00	28.75	260	F or W/C *	SCD 31
50	SG2L0050BE	NH3	26.00	25.00	38.00	375	F or W/C *	SCD 2
75	SG2L0075BE	NH4	32.00	29.50	41.00	500	F	SCD 39
100	SG2L0100BE	NH4	32.00	29.50	41.00	650	F	SCD 39
150	SG2L0150BE	NJ4	32.00	32.50	50.00	850	F	SCD 39
167	SG2L0167BE	NJ4	32.00	32.50	50.00	950	F	SCD 39

* Wall mounting kit and/or drip plate kit required.

240 X 480 Primary Volts

120/240 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG2N0015LE	NH5	19.40	20.20	21.50	170	F or W/C *	SCD 34
25	SG2N0025LE	NH6	23.90	25.00	28.75	220	F or W/C *	SCD 17
37.5	SG2N0037LE	NH6	23.90	25.00	28.75	260	F or W/C *	SCD 17
50	SG2N0050LE	NH3	26.00	25.00	38.00	370	F or W/C *	SCD 17
75	SG2N0075LE	NH3	26.00	25.00	38.00	500	F or W/C *	SCD 17
100	SG2N0100LE	NH4	32.00	29.50	41.00	650	F	SCD 17
150	SG2N0150LE	NJ4	32.00	32.50	50.00	850	F	SCD 17
167	SG2N0167LE	NJ4	32.00	32.50	50.00	900	F	SCD 17

* Wall mounting kit and/or drip plate kit required.

277 Primary Volts

120/240 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG2L0015FE	NH5	19.40	20.20	21.50	170	F or W/C *	SCD 32
25	SG2L0025FE	NH6	23.90	25.00	28.75	260	F or W/C *	SCD 31
37.5	SG2L0037FE	NH6	23.90	25.00	28.75	400	F or W/C *	SCD 31
50	SG2L0050FE	NH3	26.00	25.00	38.00	450	F or W/C *	SCD 31
75	SG2L0075FE	NH3	26.00	25.00	38.00	650	F or W/C *	SCD 31
100	SG2L0100FE	NH4	32.00	29.50	41.00	700	F	SCD 39
150	SG2L0150FE	NJ4	32.00	32.50	50.00	830	F	SCD 39
167	SG2L0167FE	NJ4	32.00	32.50	50.00	880	F	SCD 39

* Wall mounting kit and/or drip plate kit required.

416 Primary Volts

120/240 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG2L0015HE	NH5	19.40	20.20	21.50	220	F or W/C *	SCD 32
25	SG2L0025HE	NH6	23.90	25.00	28.75	220	F or W/C *	SCD 31
37.5	SG2L0037HE	NH6	23.90	25.00	28.75	260	F or W/C *	SCD 31
50	SG2L0050HE	NH3	26.00	25.00	38.00	400	F or W/C *	SCD 31
75	SG2L0075HE	NH3	26.00	25.00	38.00	480	F or W/C *	SCD 31
100	SG2L0100HE	NH4	32.00	29.50	41.00	650	F	SCD 39
150	SG2L0150HE	NJ4	32.00	32.50	50.00	850	F	SCD 39
167	SG2L0167HE	NJ4	32.00	32.50	50.00	900	F	SCD 39

* Wall mounting kit and/or drip plate kit required.

Selection Tables

HPS Sentinel G
Energy Efficient General Purpose Distribution



ALUMINUM WOUND, SINGLE PHASE

600 Primary Volts

120/240 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG2L0015PE	NH5	19.40	20.20	21.50	220	F or W/C *	SCD 32
25	SG2L0025PE	NH6	23.90	25.00	28.75	220	F or W/C *	SCD 31
37.5	SG2L0037PE	NH6	23.90	25.00	28.75	260	F or W/C *	SCD 31
50	SG2L0050PE	NH3	26.00	25.00	38.00	400	F or W/C *	SCD 31
75	SG2L0075PE	NH3	26.00	25.00	38.00	480	F or W/C *	SCD 31
100	SG2L0100PE	NH4	32.00	29.50	41.00	650	F	SCD 39
150	SG2L0150PE	NJ4	32.00	32.50	50.00	850	F	SCD 39
167	SG2L0167PE	NJ4	32.00	32.50	50.00	900	F	SCD 39

* Wall mounting kit and/or drip plate kit required.

SINGLE PHASE, EXPORT MODEL

190/200/208/220 X 380/400/416/440 Primary Volts

120/240 Secondary Volts

50/60 Hz**

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG2M0015XE	NH6	23.90	25.00	28.75	190	F or W/C *	SCD 30
25	SG2M0025XE	NH6	23.90	25.00	28.75	240	F or W/C *	SCD 30
37.5	SG2M0037XE	NH6	23.90	25.00	28.75	300	F or W/C *	SCD 30
50	SG2M0050XE	NH3	26.00	25.00	38.00	390	F or W/C *	SCD 30
75	SG2M0075XE	NH3	26.00	25.00	38.00	540	F or W/C *	SCD 30
100	SG2M0100XE	NH4	32.00	29.50	41.00	700	F	SCD 30
150	SG2M0150XE		Consult Sales				F	SCD 30
167	SG2M0167XE		Consult Sales				F	SCD 30

**Note: Meets DOE 10 CFR Part 431 at 60 Hz. * Wall mounting kit and/or drip plate kit required.

COPPER WOUND, SINGLE PHASE

208 Primary Volts

120/240 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG2L0015BE0C	NH5	19.40	20.20	21.50	180	F or W/C *	SCD 32
25	SG2L0025BE0C	NH6	23.90	25.00	28.75	240	F or W/C *	SCD 31
37.5	SG2L0037BE0C	NH6	23.90	25.00	28.75	300	F or W/C *	SCD 31
50	SG2L0050BE0C	NH3	26.00	25.00	38.00	375	F or W/C *	SCD 2
75	SG2L0075BE0C	NH3	26.00	25.00	38.00	525	F or W/C *	SCD 31
100	SG2L0100BE0C	NH4	32.00	29.50	41.00	650	F	SCD 39
150	SG2L0150BE0C	NJ4	32.00	32.50	50.00	900	F	SCD 39
167	SG2L0167BE0C	NJ4	32.00	32.50	50.00	1000	F	SCD 39

* Wall mounting kit and/or drip plate kit required.

240 X 480 Primary Volts

120/240 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG2N0015LE0C	NH5	19.40	20.20	21.50	180	F or W/C *	SCD 34
25	SG2N0025LE0C	NH6	23.90	25.00	28.75	240	F or W/C *	SCD 17
37.5	SG2N0037LE0C	NH6	23.90	25.00	28.75	300	F or W/C *	SCD 17
50	SG2N0050LE0C	NH3	26.00	25.00	38.00	375	F or W/C *	SCD 17
75	SG2N0075LE0C	NH3	26.00	25.00	38.00	525	F or W/C *	SCD 17
100	SG2N0100LE0C	NH4	32.00	29.50	41.00	650	F	SCD 17
150	SG2N0150LE0C	NJ4	32.00	32.50	50.00	900	F	SCD 17
167	SG2N0167LE0C	NJ4	32.00	32.50	50.00	1000	F	SCD 17

* Wall mounting kit and/or drip plate kit required.

Selection Tables

HPS Sentinel G

Energy Efficient General Purpose Distribution



COPPER WOUND, SINGLE PHASE

277 Primary Volts

120/240 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG2L0015FE0C	NH5	19.40	20.20	21.50	180	F or W/C *	SCD 32
25	SG2L0025FE0C	NH6	23.90	25.00	28.75	240	F or W/C *	SCD 31
37.5	SG2L0037FE0C	NH6	23.90	25.00	28.75	300	F or W/C *	SCD 31
50	SG2L0050FE0C	NH3	26.00	25.00	38.00	375	F or W/C *	SCD 31
75	SG2L0075FE0C	NH3	26.00	25.00	38.00	525	F or W/C *	SCD 31
100	SG2L0100FE0C	NH4	32.00	29.50	41.00	650	F	SCD 39
150	SG2L0150FE0C	NJ4	32.00	32.50	50.00	900	F	SCD 39
167	SG2L0167FE0C	NJ4	32.00	32.50	50.00	1000	F	SCD 39

* Wall mounting kit and/or drip plate kit required.

416 Primary Volts

120/240 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG2L0015HE0C	NH5	19.40	20.20	21.50	180	F or W/C *	SCD 32
25	SG2L0025HE0C	NH6	23.90	25.00	28.75	240	F or W/C *	SCD 31
37.5	SG2L0037HE0C	NH6	23.90	25.00	28.75	300	F or W/C *	SCD 31
50	SG2L0050HE0C	NH3	26.00	25.00	38.00	375	F or W/C *	SCD 31
75	SG2L0075HE0C	NH3	26.00	25.00	38.00	525	F or W/C *	SCD 31
100	SG2L0100HE0C	NH4	32.00	29.50	41.00	650	F	SCD 39
150	SG2L0150HE0C	NJ4	32.00	32.50	50.00	900	F	SCD 39
167	SG2L0167HE0C	NJ4	32.00	32.50	50.00	1000	F	SCD 39

* Wall mounting kit and/or drip plate kit required.

600 Primary Volts

120/240 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG2L0015PE0C	NH5	19.40	20.20	21.50	180	F or W/C *	SCD 32
25	SG2L0025PE0C	NH6	23.90	25.00	28.75	240	F or W/C *	SCD 31
37.5	SG2L0037PE0C	NH6	23.90	25.00	28.75	300	F or W/C *	SCD 31
50	SG2L0050PE0C	NH3	26.00	25.00	38.00	375	F or W/C *	SCD 31
75	SG2L0075PE0C	NH3	26.00	25.00	38.00	525	F or W/C *	SCD 31
100	SG2L0100PE0C	NH4	32.00	29.50	41.00	650	F	SCD 39
150	SG2L0150PE0C	NJ4	32.00	32.50	50.00	900	F	SCD 39
167	SG2L0167PE0C	NJ4	32.00	32.50	50.00	1000	F	SCD 39

* Wall mounting kit and/or drip plate kit required.

SINGLE PHASE, EXPORT MODEL

190/200/208/220 X 380/400/416/440 Primary Volts

120/240 Secondary Volts

50/60 Hz**

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG2M0015XE0C	NH6	23.90	25.00	28.75	190	F or W/C *	SCD 30
25	SG2M0025XE0C	NH6	23.90	25.00	28.75	240	F or W/C *	SCD 30
37.5	SG2M0037XE0C	NH6	23.90	25.00	28.75	300	F or W/C *	SCD 30
50	SG2M0050XE0C	NH3	26.00	25.00	38.00	390	F or W/C *	SCD 30
75	SG2M0075XE0C	NH3	26.00	25.00	38.00	540	F or W/C *	SCD 30
100	SG2M0100XE0C	NH4	32.00	29.50	41.00	700	F	SCD 30
150	SG2M0150XE0C		Consult Sales				F	SCD 30
167	SG2M0167XE0C		Consult Sales				F	SCD 30

**Note: Meets DOE 10 CFR Part 431 at 60 Hz. * Wall mounting kit and/or drip plate kit required.

Selection Tables

HPS Sentinel G
Energy Efficient General Purpose Distribution



ALUMINUM WOUND, THREE PHASE



208 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015BB	DH1	21.5	20.1	22.0	210	F or W/C	SCD 19
30	SG3A0030BB	DH2	25.8	23.8	28.8	310	F or W/C	SCD 19
45	SG3A0045BB	DH2	25.8	23.8	28.8	380	F or W/C	SCD 19
75	SG3A0075BB	DH3	28.3	27.0	36.0	510	F (Opt W/C)	SCD 19
112.5	SG3A0112BB	DH3	28.3	27.0	36.0	680	F (Opt W/C)	SCD 19
150	SG3A0150BB	DH4	31.5	29.5	44.5	870	F	SCD 19
225	SG3A0225BB	DH5	37.5	34.0	52.0	1350	F	SCD 7A
300	SG3A0300BB	DH5	37.5	34.0	52.0	1800	F	SCD 7A
500	SG3A0500BB	DH6	49.0	41.5	64.0	2750	F	SCD 8
750	SG3A0750BB	DH7	54.0	46.5	72.0	4100	F	SCD 60
1000	SG3A1000BB	DH8	60.0	49.5	82.0	5400	F	SCD 60

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

208 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015BK	DH1	21.5	20.1	22.0	210	F or W/C	SCD 53
30	SG3A0030BK	DH2	25.8	23.8	28.8	310	F or W/C	SCD 53
45	SG3A0045BK	DH2	25.8	23.8	28.8	380	F or W/C	SCD 53
75	SG3A0075BK	DH3	28.3	27.0	36.0	510	F (Opt W/C)	SCD 53
112.5	SG3A0112BK	DH3	28.3	27.0	36.0	680	F (Opt W/C)	SCD 53
150	SG3A0150BK	DH4	31.5	29.5	44.5	870	F	SCD 53
225	SG3A0225BK	DH5	37.5	34.0	52.0	1350	F	SCD 56
300	SG3A0300BK	DH5	37.5	34.0	52.0	1800	F	SCD 56
500	SG3A0500BK	DH6	49.0	41.5	64.0	2750	F	SCD 23A
750	SG3A0750BK	DH7	54.0	46.5	72.0	4100	F	SCD 61
1000	SG3A1000BK	DH8	60.0	49.5	82.0	5400	F	SCD 61

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

240 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015DB	DH1	21.5	20.1	22.0	210	F or W/C	SCD 19
30	SG3A0030DB	DH2	25.8	23.8	28.8	310	F or W/C	SCD 19
45	SG3A0045DB	DH2	25.8	23.8	28.8	380	F or W/C	SCD 19
75	SG3A0075DB	DH3	28.3	27.0	36.0	510	F (Opt W/C)	SCD 19
112.5	SG3A0112DB	DH3	28.3	27.0	36.0	680	F (Opt W/C)	SCD 19
150	SG3A0150DB	DH4	31.5	29.5	44.5	870	F	SCD 19
225	SG3A0225DB	DH5	37.5	34.0	52.0	1350	F	SCD 7A
300	SG3A0300DB	DH5	37.5	34.0	52.0	1800	F	SCD 7A
500	SG3A0500DB	DH6	49.0	41.5	64.0	2750	F	SCD 8
750	SG3A0750DB	DH7	54.0	46.5	72.0	4100	F	SCD 60
1000	SG3A1000DB	DH8	60.0	49.5	82.0	5400	F	SCD 60

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel G

Energy Efficient General Purpose Distribution



ALUMINUM WOUND, THREE PHASE

240 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015DK	DH1	21.5	20.1	22.0	210	F or W/C	SCD 53
30	SG3A0030DK	DH2	25.8	23.8	28.8	310	F or W/C	SCD 53
45	SG3A0045DK	DH2	25.8	23.8	28.8	380	F or W/C	SCD 53
75	SG3A0075DK	DH3	28.3	27.0	36.0	510	F (Opt W/C)	SCD 53
112.5	SG3A0112DK	DH3	28.3	27.0	36.0	680	F (Opt W/C)	SCD 53
150	SG3A0150DK	DH4	31.5	29.5	44.5	870	F	SCD 53
225	SG3A0225DK	DH5	37.5	34.0	52.0	1350	F	SCD 56
300	SG3A0300DK	DH5	37.5	34.0	52.0	1800	F	SCD 56
500	SG3A0500DK	DH6	49.0	41.5	64.0	2750	F	SCD 23A
750	SG3A0750DK	DH7	54.0	46.5	72.0	4100	F	SCD 61
1000	SG3A1000DK	DH8	60.0	49.5	82.0	5400	F	SCD 61

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

480 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015KB	DH1	21.5	20.1	22.0	210	F or W/C	SCD 19
30	SG3A0030KB	DH2	25.8	23.8	28.8	310	F or W/C	SCD 19
45	SG3A0045KB	DH2	25.8	23.8	28.8	380	F or W/C	SCD 19
75	SG3A0075KB	DH3	28.3	27.0	36.0	510	F (Opt W/C)	SCD 19
112.5	SG3A0112KB	DH3	28.3	27.0	36.0	680	F (Opt W/C)	SCD 19
150	SG3A0150KB	DH4	31.5	29.5	44.5	870	F	SCD 19
225	SG3A0225KB	DH5	37.5	34.0	52.0	1350	F	SCD 19
300	SG3A0300KB	DH5	37.5	34.0	52.0	1800	F	SCD 19
500	SG3A0500KB	DH6	49.0	41.5	64.0	2750	F	SCD 20
750	SG3A0750KB	DH7	54.0	46.5	72.0	4100	F	SCD 20
1000	SG3A1000KB	DH8	60.0	49.5	82.0	5400	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

480 Delta Primary Volts

240 Delta/120 CT Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3C0015KD	DH1	21.5	20.1	22.0	210	F or W/C	SCD 21
30	SG3C0030KD	DH2	25.8	23.8	28.8	310	F or W/C	SCD 21
45	SG3C0045KD	DH2	25.8	23.8	28.8	380	F or W/C	SCD 21
75	SG3C0075KD	DH3	28.3	27.0	36.0	510	F (Opt W/C)	SCD 21
112.5	SG3C0112KD	DH3	28.3	27.0	36.0	680	F (Opt W/C)	SCD 21
150	SG3C0150KD	DH4	31.5	29.5	44.5	870	F	SCD 21
225	SG3C0225KD	DH5	37.5	34.0	52.0	1350	F	SCD 21
300	SG3C0300KD	DH5	37.5	34.0	52.0	1800	F	SCD 21
500	SG3C0500KD	DH6	49.0	41.5	64.0	2750	F	SCD 22
750	SG3C0750KD	DH7	54.0	46.5	72.0	4100	F	SCD 22
1000	SG3C1000KD	DH8	60.0	49.5	82.0	5400	F	SCD 59

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel G
Energy Efficient General Purpose Distribution



ALUMINUM WOUND, THREE PHASE



480 Delta Primary Volts 380Y/220, 400Y/231, 416Y/240, 430Y/248 Secondary Volts 60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram	
			Width	Depth	Height				
15	SG3A0015KY	DH1	21.5	20.1	22.0	210	F or W/C	SCD 52	
30	SG3A0030KY	DH2	25.8	23.8	28.8	310	F or W/C	SCD 52	
45	SG3A0045KY	DH2	25.8	23.8	28.8	380	F or W/C	SCD 52	
75	SG3A0075KY	DH3	28.3	27.0	36.0	510	F (Opt W/C)	SCD 52	
112.5	SG3A0112KY	DH3	28.3	27.0	36.0	680	F (Opt W/C)	SCD 52	
150	SG3A0150KY	DH4	31.5	29.5	44.5	870	F	SCD 52	
225	SG3A0225KY		Consult HPS Sales						
300	SG3A0300KY								
500	SG3A0500KY								
750	SG3A0750KY								
1000	SG3A1000KY								

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

480 Delta Primary Volts 480Y/277 Secondary Volts 60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015KK	DH1	21.5	20.1	22.0	210	F or W/C	SCD 19
30	SG3A0030KK	DH2	25.8	23.8	28.8	310	F or W/C	SCD 19
45	SG3A0045KK	DH2	25.8	23.8	28.8	380	F or W/C	SCD 19
75	SG3A0075KK	DH3	28.3	27.0	36.0	510	F (Opt W/C)	SCD 19
112.5	SG3A0112KK	DH3	28.3	27.0	36.0	680	F (Opt W/C)	SCD 19
150	SG3A0150KK	DH4	31.5	29.5	44.5	870	F	SCD 19
225	SG3A0225KK	DH5	37.5	34.0	52.0	1350	F	SCD 19
300	SG3A0300KK	DH5	37.5	34.0	52.0	1800	F	SCD 19
500	SG3A0500KK	DH6	49.0	41.5	64.0	2750	F	SCD 20
750	SG3A0750KK	DH7	54.0	46.5	72.0	4100	F	SCD 20
1000	SG3A1000KK	DH8	60.0	49.5	82.0	5400	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts 208Y/120 Secondary Volts 60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015PB	DH1	21.5	20.1	22.0	210	F or W/C	SCD 19
30	SG3A0030PB	DH2	25.8	23.8	28.8	310	F or W/C	SCD 19
45	SG3A0045PB	DH2	25.8	23.8	28.8	380	F or W/C	SCD 19
75	SG3A0075PB	DH3	28.3	27.0	36.0	510	F (Opt W/C)	SCD 19
112.5	SG3A0112PB	DH3	28.3	27.0	36.0	680	F (Opt W/C)	SCD 19
150	SG3A0150PB	DH4	31.5	29.5	44.5	870	F	SCD 19
225	SG3A0225PB	DH5	37.5	34.0	52.0	1350	F	SCD 19
300	SG3A0300PB	DH5	37.5	34.0	52.0	1800	F	SCD 19
500	SG3A0500PB	DH6	49.0	41.5	64.0	2750	F	SCD 20
750	SG3A0750PB	DH7	54.0	46.5	72.0	4100	F	SCD 20
1000	SG3A1000PB	DH8	60.0	49.5	82.0	5400	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel G

Energy Efficient General Purpose Distribution

ALUMINUM WOUND, THREE PHASE



600 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015PK	DH1	21.5	20.1	22.0	210	F or W/C	SCD 19
30	SG3A0030PK	DH2	25.8	23.8	28.8	310	F or W/C	SCD 19
45	SG3A0045PK	DH2	25.8	23.8	28.8	380	F or W/C	SCD 19
75	SG3A0075PK	DH3	28.3	27.0	36.0	510	F (Opt W/C)	SCD 19
112.5	SG3A0112PK	DH3	28.3	27.0	36.0	680	F (Opt W/C)	SCD 19
150	SG3A0150PK	DH4	31.5	29.5	44.5	870	F	SCD 19
225	SG3A0225PK	DH5	37.5	34.0	52.0	1350	F	SCD 19
300	SG3A0300PK	DH5	37.5	34.0	52.0	1800	F	SCD 19
500	SG3A0500PK	DH6	49.0	41.5	64.0	2750	F	SCD 20
750	SG3A0750PK	DH7	54.0	46.5	72.0	4100	F	SCD 20
1000	SG3A1000PK	DH8	60.0	49.5	82.0	5400	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

COPPER WOUND, THREE PHASE

208 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015BB0C	DH1	21.5	20.1	22.0	210	F or W/C	SCD 19
30	SG3A0030BB0C	DH2	25.8	23.8	28.8	340	F or W/C	SCD 19
45	SG3A0045BB0C	DH2	25.8	23.8	28.8	400	F or W/C	SCD 19
75	SG3A0075BB0C	DH3	28.3	27.0	36.0	590	F (Opt W/C)	SCD 19
112.5	SG3A0112BB0C	DH3	28.3	27.0	36.0	740	F (Opt W/C)	SCD 19
150	SG3A0150BB0C	DH4	31.5	29.5	44.5	930	F	SCD 19
225	SG3A0225BB0C	DH4	31.5	29.5	44.5	1350	F	SCD 7A
300	SG3A0300BB0C	DH5	37.5	34.0	52.0	1800	F	SCD 7A
500	SG3A0500BB0C	DH6	49.0	41.5	64.0	3200	F	SCD 8
750	SG3A0750BB0C	DH6	49.0	41.5	64.0	4050	F	SCD 60
1000	SG3A1000BB0C	DH7	54.0	46.5	72.0	5200	F	SCD 60

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

208 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015BK0C	DH1	21.5	20.1	22.0	210	F or W/C	SCD 53
30	SG3A0030BK0C	DH2	25.8	23.8	28.8	340	F or W/C	SCD 53
45	SG3A0045BK0C	DH2	25.8	23.8	28.8	400	F or W/C	SCD 53
75	SG3A0075BK0C	DH3	28.3	27.0	36.0	590	F (Opt W/C)	SCD 53
112.5	SG3A0112BK0C	DH3	28.3	27.0	36.0	740	F (Opt W/C)	SCD 53
150	SG3A0150BK0C	DH4	31.5	29.5	44.5	930	F	SCD 53
225	SG3A0225BK0C	DH4	31.5	29.5	44.5	1350	F	SCD 56
300	SG3A0300BK0C	DH5	37.5	34.0	52.0	1800	F	SCD 56
500	SG3A0500BK0C	DH6	49.0	41.5	64.0	3200	F	SCD 23A
750	SG3A0750BK0C	DH6	49.0	41.5	64.0	4050	F	SCD 61
1000	SG3A1000BK0C	DH7	54.0	46.5	72.0	5200	F	SCD 61

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel G
Energy Efficient General Purpose Distribution



COPPER WOUND, THREE PHASE

240 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015DB0C	DH1	21.5	20.1	22.0	210	F or W/C	SCD 19
30	SG3A0030DB0C	DH2	25.8	23.8	28.8	340	F or W/C	SCD 19
45	SG3A0045DB0C	DH2	25.8	23.8	28.8	400	F or W/C	SCD 19
75	SG3A0075DB0C	DH3	28.3	27.0	36.0	590	F (Opt W/C)	SCD 19
112.5	SG3A0112DB0C	DH3	28.3	27.0	36.0	740	F (Opt W/C)	SCD 19
150	SG3A0150DB0C	DH4	31.5	29.5	44.5	930	F	SCD 19
225	SG3A0225DB0C	DH4	31.5	29.5	44.5	1350	F	SCD 7A
300	SG3A0300DB0C	DH5	37.5	34.0	52.0	1800	F	SCD 7A
500	SG3A0500DB0C	DH6	49.0	41.5	64.0	3200	F	SCD 8
750	SG3A0750DB0C	DH6	49.0	41.5	64.0	4050	F	SCD 60
1000	SG3A1000DB0C	DH7	54.0	46.5	72.0	5200	F	SCD 60

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

240 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015DK0C	DH1	21.5	20.1	22.0	210	F or W/C	SCD 53
30	SG3A0030DK0C	DH2	25.8	23.8	28.8	340	F or W/C	SCD 53
45	SG3A0045DK0C	DH2	25.8	23.8	28.8	400	F or W/C	SCD 53
75	SG3A0075DK0C	DH3	28.3	27.0	36.0	590	F (Opt W/C)	SCD 53
112.5	SG3A0112DK0C	DH3	28.3	27.0	36.0	740	F (Opt W/C)	SCD 53
150	SG3A0150DK0C	DH4	31.5	29.5	44.5	930	F	SCD 53
225	SG3A0225DK0C	DH4	31.5	29.5	44.5	1350	F	SCD 56
300	SG3A0300DK0C	DH5	37.5	34.0	52.0	1800	F	SCD 56
500	SG3A0500DK0C	DH6	49.0	41.5	64.0	3200	F	SCD 23A
750	SG3A0750DK0C	DH6	49.0	41.5	64.0	4050	F	SCD 61
1000	SG3A1000DK0C	DH7	54.0	46.5	72.0	5200	F	SCD 61

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

480 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015KB0C	DH1	21.5	20.1	22.0	210	F or W/C	SCD 19
30	SG3A0030KB0C	DH2	25.8	23.8	28.8	340	F or W/C	SCD 19
45	SG3A0045KB0C	DH2	25.8	23.8	28.8	400	F or W/C	SCD 19
75	SG3A0075KB0C	DH3	28.3	27.0	36.0	590	F (Opt W/C)	SCD 19
112.5	SG3A0112KB0C	DH3	28.3	27.0	36.0	740	F (Opt W/C)	SCD 19
150	SG3A0150KB0C	DH4	31.5	29.5	44.5	930	F	SCD 19
225	SG3A0225KB0C	DH4	31.5	29.5	44.5	1350	F	SCD 19
300	SG3A0300KB0C	DH5	37.5	34.0	52.0	1800	F	SCD 19
500	SG3A0500KB0C	DH6	49.0	41.5	64.0	3200	F	SCD 20
750	SG3A0750KB0C	DH6	49.0	41.5	64.0	4050	F	SCD 20
1000	SG3A1000KB0C	DH7	54.0	46.5	72.0	5200	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel G

Energy Efficient General Purpose Distribution



COPPER WOUND, THREE PHASE

480 Delta Primary Volts

240 Delta/120 CT Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3C0015KD0C	DH1	21.5	20.1	22.0	210	F or W/C	SCD 21
30	SG3C0030KD0C	DH2	25.8	23.8	28.8	340	F or W/C	SCD 21
45	SG3C0045KD0C	DH2	25.8	23.8	28.8	400	F or W/C	SCD 21
75	SG3C0075KD0C	DH3	28.3	27.0	36.0	590	F (Opt W/C)	SCD 21
112.5	SG3C0112KD0C	DH3	28.3	27.0	36.0	740	F (Opt W/C)	SCD 21
150	SG3C0150KD0C	DH4	31.5	29.5	44.5	930	F	SCD 21
225	SG3C0225KD0C	DH4	31.5	29.5	44.5	1350	F	SCD 21
300	SG3C0300KD0C	DH5	37.5	34.0	52.0	1800	F	SCD 21
500	SG3C0500KD0C	DH6	49.0	41.5	64.0	3200	F	SCD 22
750	SG3C0750KD0C	DH6	49.0	41.5	64.0	4050	F	SCD 22
1000	SG3C1000KD0C	DH7	54.0	46.5	72.0	5200	F	SCD 59

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

480 Delta Primary Volts

380Y, 400Y, 416Y, 430Y Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015KY0C	DH1	21.5	20.1	22.0	210	F or W/C	SCD 52
30	SG3A0030KY0C	DH2	25.8	23.8	28.8	340	F or W/C	SCD 52
45	SG3A0045KY0C	DH2	25.8	23.8	28.8	400	F or W/C	SCD 52
75	SG3A0075KY0C	DH3	28.3	27.0	36.0	590	F (Opt W/C)	SCD 52
112.5	SG3A0112KY0C	DH3	28.3	27.0	36.0	740	F (Opt W/C)	SCD 52
150	SG3A0150KY0C	DH4	31.5	29.5	44.5	930	F	SCD 52
225	SG3A0225KY0C							
300	SG3A0300KY0C							
500	SG3A0500KY0C							
750	SG3A0750KY0C							
1000	SG3A1000KY0C							

Consult HPS Sales

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

480 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015KK0C	DH1	21.5	20.1	22.0	210	F or W/C	SCD 19
30	SG3A0030KK0C	DH2	25.8	23.8	28.8	340	F or W/C	SCD 19
45	SG3A0045KK0C	DH2	25.8	23.8	28.8	400	F or W/C	SCD 19
75	SG3A0075KK0C	DH3	28.3	27.0	36.0	590	F (Opt W/C)	SCD 19
112.5	SG3A0112KK0C	DH3	28.3	27.0	36.0	740	F (Opt W/C)	SCD 19
150	SG3A0150KK0C	DH4	31.5	29.5	44.5	930	F	SCD 19
225	SG3A0225KK0C	DH4	31.5	29.5	44.5	1350	F	SCD 19
300	SG3A0300KK0C	DH5	37.5	34.0	52.0	1800	F	SCD 19
500	SG3A0500KK0C	DH6	49.0	41.5	64.0	3200	F	SCD 20
750	SG3A0750KK0C	DH6	49.0	41.5	64.0	4050	F	SCD 20
1000	SG3A1000KK0C	DH7	54.0	46.5	72.0	5200	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel G
Energy Efficient General Purpose Distribution



COPPER WOUND, THREE PHASE



600 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015PB0C	DH1	21.5	20.1	22.0	210	F or W/C	SCD 19
30	SG3A0030PB0C	DH2	25.8	23.8	28.8	340	F or W/C	SCD 19
45	SG3A0045PB0C	DH2	25.8	23.8	28.8	400	F or W/C	SCD 19
75	SG3A0075PB0C	DH3	28.3	27.0	36.0	590	F (Opt W/C)	SCD 19
112.5	SG3A0112PB0C	DH3	28.3	27.0	36.0	740	F (Opt W/C)	SCD 19
150	SG3A0150PB0C	DH4	31.5	29.5	44.5	930	F	SCD 19
225	SG3A0225PB0C	DH4	31.5	29.5	44.5	1350	F	SCD 19
300	SG3A0300PB0C	DH5	37.5	34.0	52.0	1800	F	SCD 19
500	SG3A0500PB0C	DH6	49.0	41.5	64.0	3200	F	SCD 20
750	SG3A0750PB0C	DH6	49.0	41.5	64.0	4050	F	SCD 20
1000	SG3A1000PB0C	DH7	54.0	46.5	72.0	5200	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SG3A0015PK0C	DH1	21.5	20.1	22.0	210	F or W/C	SCD 19
30	SG3A0030PK0C	DH2	25.8	23.8	28.8	340	F or W/C	SCD 19
45	SG3A0045PK0C	DH2	25.8	23.8	28.8	400	F or W/C	SCD 19
75	SG3A0075PK0C	DH3	28.3	27.0	36.0	590	F (Opt W/C)	SCD 19
112.5	SG3A0112PK0C	DH3	28.3	27.0	36.0	740	F (Opt W/C)	SCD 19
150	SG3A0150PK0C	DH4	31.5	29.5	44.5	930	F	SCD 19
225	SG3A0225PK0C	DH4	31.5	29.5	44.5	1350	F	SCD 19
300	SG3A0300PK0C	DH5	37.5	34.0	52.0	1800	F	SCD 19
500	SG3A0500PK0C	DH6	49.0	41.5	64.0	3200	F	SCD 20
750	SG3A0750PK0C	DH6	49.0	41.5	64.0	4050	F	SCD 20
1000	SG3A1000PK0C	DH7	54.0	46.5	72.0	5200	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel K
Energy Efficient K-Factor

K-FACTOR 4

ALUMINUM WOUND, SHIELDED, THREE PHASE

480 Delta Primary Volts

208Y/120 Secondary Volts



kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015KB4S	DH1	21.5	20.13	22	220	F or W/C	SCD 19
30	SK3A0030KB4S	DH2	25.75	23.75	28.75	320	F or W/C	SCD 19
45	SK3A0045KB4S	DH2	25.75	23.75	28.75	390	F or W/C	SCD 19
75	SK3A0075KB4S	DH3	28.25	27	36	530	F (Opt W/C)	SCD 19
112.5	SK3A0112KB4S	DH3	28.25	27	36	690	F (Opt W/C)	SCD 19
150	SK3A0150KB4S	DH4	31.5	29.5	44.5	900	F	SCD 19
225	SK3A0225KB4S	DH5	37.5	34	52	1380	F	SCD 19
300	SK3A0300KB4S	DH5	37.5	34	52	1830	F	SCD 19
500	SK3A0500KB4S	DH6	49.0	41.5	64.0	2800	F	SCD 20
750	SK3A0750KB4S	DH7	54.0	46.5	72.0	4200	F	SCD 20
1000	SK3A1000KB4S	DH8	60.0	49.5	82.0	5500	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

480 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015KK4S	DH1	21.5	20.13	22	220	F or W/C	SCD 19
30	SK3A0030KK4S	DH2	25.75	23.75	28.75	320	F or W/C	SCD 19
45	SK3A0045KK4S	DH2	25.75	23.75	28.75	390	F or W/C	SCD 19
75	SK3A0075KK4S	DH3	28.25	27	36	530	F (Opt W/C)	SCD 19
112.5	SK3A0112KK4S	DH3	28.25	27	36	690	F (Opt W/C)	SCD 19
150	SK3A0150KK4S	DH4	31.5	29.5	44.5	900	F	SCD 19
225	SK3A0225KK4S	DH5	37.5	34	52	1380	F	SCD 19
300	SK3A0300KK4S	DH5	37.5	34	52	1830	F	SCD 19
500	SK3A0500KK4S	DH6	49.0	41.5	64.0	2800	F	SCD 20
750	SK3A0750KK4S	DH7	54.0	46.5	72.0	4200	F	SCD 20
1000	SK3A1000KK4S	DH8	60.0	49.5	82.0	5500	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015PB4S	DH1	21.5	20.13	22	220	F or W/C	SCD 19
30	SK3A0030PB4S	DH2	25.75	23.75	28.75	320	F or W/C	SCD 19
45	SK3A0045PB4S	DH2	25.75	23.75	28.75	390	F or W/C	SCD 19
75	SK3A0075PB4S	DH3	28.25	27	36	530	F (Opt W/C)	SCD 19
112.5	SK3A0112PB4S	DH3	28.25	27	36	690	F (Opt W/C)	SCD 19
150	SK3A0150PB4S	DH4	31.5	29.5	44.5	900	F	SCD 19
225	SK3A0225PB4S	DH5	37.5	34	52	1380	F	SCD 19
300	SK3A0300PB4S	DH5	37.5	34	52	1830	F	SCD 19
500	SK3A0500PB4S	DH6	49.0	41.5	64.0	2800	F	SCD 20
750	SK3A0750PB4S	DH7	54.0	46.5	72.0	4200	F	SCD 20
1000	SK3A1000PB4S	DH8	60.0	49.5	82.0	5500	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015PK4S	DH1	21.5	20.13	22	220	F or W/C	SCD 19
30	SK3A0030PK4S	DH2	25.75	23.75	28.75	320	F or W/C	SCD 19
45	SK3A0045PK4S	DH2	25.75	23.75	28.75	390	F or W/C	SCD 19
75	SK3A0075PK4S	DH3	28.25	27	36	530	F (Opt W/C)	SCD 19
112.5	SK3A0112PK4S	DH3	28.25	27	36	690	F (Opt W/C)	SCD 19
150	SK3A0150PK4S	DH4	31.5	29.5	44.5	900	F	SCD 19
225	SK3A0225PK4S	DH5	37.5	34	52	1380	F	SCD 19
300	SK3A0300PK4S	DH5	37.5	34	52	1830	F	SCD 19
500	SK3A0500PK4S	DH6	49.0	41.5	64.0	2800	F	SCD 20
750	SK3A0750PK4S	DH7	54.0	46.5	72.0	4200	F	SCD 20
1000	SK3A1000PK4S	DH8	60.0	49.5	82.0	5500	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel K
Energy Efficient K-Factor



K-FACTOR 4 COPPER WOUND, SHIELDED, THREE PHASE

480 Delta Primary Volts 208Y/120 Secondary Volts 60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015KB4K	DH1	21.5	20.13	22	220	F or W/C	SCD 19
30	SK3A0030KB4K	DH2	25.75	23.75	28.75	350	F or W/C	SCD 19
45	SK3A0045KB4K	DH2	25.75	23.75	28.75	410	F or W/C	SCD 19
75	SK3A0075KB4K	DH3	28.25	27	36	600	F (Opt W/C)	SCD 19
112.5	SK3A0112KB4K	DH3	28.25	27	36	760	F (Opt W/C)	SCD 19
150	SK3A0150KB4K	DH4	31.5	29.5	44.5	950	F	SCD 19
225	SK3A0225KB4K	DH4	31.5	29.5	44.5	1380	F	SCD 19
300	SK3A0300KB4K	DH5	37.5	34	52	1830	F	SCD 19
500	SK3A0500KB4K	DH6	49.0	41.5	64.0	3250	F	SCD 20
750	SK3A0750KB4K	DH6	49.0	41.5	64.0	4100	F	SCD 20
1000	SK3A1000KB4K	DH7	54.0	46.5	72.0	5300	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

480 Delta Primary Volts 480Y/277 Secondary Volts 60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015KK4K	DH1	21.5	20.13	22	220	F or W/C	SCD 19
30	SK3A0030KK4K	DH2	25.75	23.75	28.75	350	F or W/C	SCD 19
45	SK3A0045KK4K	DH2	25.75	23.75	28.75	410	F or W/C	SCD 19
75	SK3A0075KK4K	DH3	28.25	27	36	600	F (Opt W/C)	SCD 19
112.5	SK3A0112KK4K	DH3	28.25	27	36	760	F (Opt W/C)	SCD 19
150	SK3A0150KK4K	DH4	31.5	29.5	44.5	950	F	SCD 19
225	SK3A0225KK4K	DH4	31.5	29.5	44.5	1380	F	SCD 19
300	SK3A0300KK4K	DH5	37.5	34	52	1830	F	SCD 19
500	SK3A0500KK4K	DH6	49.0	41.5	64.0	3250	F	SCD 20
750	SK3A0750KK4K	DH6	49.0	41.5	64.0	4100	F	SCD 20
1000	SK3A1000KK4K	DH7	54.0	46.5	72.0	5300	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts 208Y/120 Secondary Volts 60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015PB4K	DH1	21.5	20.13	22	220	F or W/C	SCD 19
30	SK3A0030PB4K	DH2	25.75	23.75	28.75	350	F or W/C	SCD 19
45	SK3A0045PB4K	DH2	25.75	23.75	28.75	410	F or W/C	SCD 19
75	SK3A0075PB4K	DH3	28.25	27	36	600	F (Opt W/C)	SCD 19
112.5	SK3A0112PB4K	DH3	28.25	27	36	760	F (Opt W/C)	SCD 19
150	SK3A0150PB4K	DH4	31.5	29.5	44.5	950	F	SCD 19
225	SK3A0225PB4K	DH4	31.5	29.5	44.5	1380	F	SCD 19
300	SK3A0300PB4K	DH5	37.5	34	52	1830	F	SCD 19
500	SK3A0500PB4K	DH6	49.0	41.5	64.0	3250	F	SCD 20
750	SK3A0750PB4K	DH6	49.0	41.5	64.0	4100	F	SCD 20
1000	SK3A1000PB4K	DH7	54.0	46.5	72.0	5300	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts 480Y/277 Secondary Volts 60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015PK4K	DH1	21.5	20.13	22	220	F or W/C	SCD 19
30	SK3A0030PK4K	DH2	25.75	23.75	28.75	350	F or W/C	SCD 19
45	SK3A0045PK4K	DH2	25.75	23.75	28.75	410	F or W/C	SCD 19
75	SK3A0075PK4K	DH3	28.25	27	36	600	F (Opt W/C)	SCD 19
112.5	SK3A0112PK4K	DH3	28.25	27	36	760	F (Opt W/C)	SCD 19
150	SK3A0150PK4K	DH4	31.5	29.5	44.5	950	F	SCD 19
225	SK3A0225PK4K	DH4	31.5	29.5	44.5	1380	F	SCD 19
300	SK3A0300PK4K	DH5	37.5	34	52	1830	F	SCD 19
500	SK3A0500PK4K	DH6	49.0	41.5	64.0	3250	F	SCD 20
750	SK3A0750PK4K	DH6	49.0	41.5	64.0	4100	F	SCD 20
1000	SK3A1000PK4K	DH7	54.0	46.5	72.0	5300	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel K
Energy Efficient K-Factor

K-FACTOR 9

ALUMINUM WOUND, SHIELDED, THREE PHASE



480 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015KB9S	DH1	21.5	20.13	22	230	F or W/C	SCD 19
30	SK3A0030KB9S	DH2	25.75	23.75	28.75	330	F or W/C	SCD 19
45	SK3A0045KB9S	DH2	25.75	23.75	28.75	410	F or W/C	SCD 19
75	SK3A0075KB9S	DH3	28.25	27	36	550	F (Opt W/C)	SCD 19
112.5	SK3A0112KB9S	DH3	28.25	27	36	720	F (Opt W/C)	SCD 19
150	SK3A0150KB9S	DH4	31.5	29.5	44.5	1040	F	SCD 19
225	SK3A0225KB9S	DH5	37.5	34	52	1470	F	SCD 19
300	SK3A0300KB9S	DH5	37.5	34	52	1930	F	SCD 19
500	SK3A0500KB9S	DH6	49.0	41.5	64.0	2850	F	SCD 20
750	SK3A0750KB9S	DH7	54.0	46.5	72.0	4250	F	SCD 20
1000	SK3A1000KB9S	DH8	60.0	49.5	82.0	5600	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

480 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015KK9S	DH1	21.5	20.13	22	230	F or W/C	SCD 19
30	SK3A0030KK9S	DH2	25.75	23.75	28.75	330	F or W/C	SCD 19
45	SK3A0045KK9S	DH2	25.75	23.75	28.75	410	F or W/C	SCD 19
75	SK3A0075KK9S	DH3	28.25	27	36	550	F (Opt W/C)	SCD 19
112.5	SK3A0112KK9S	DH3	28.25	27	36	720	F (Opt W/C)	SCD 19
150	SK3A0150KK9S	DH4	31.5	29.5	44.5	1040	F	SCD 19
225	SK3A0225KK9S	DH5	37.5	34	52	1470	F	SCD 19
300	SK3A0300KK9S	DH5	37.5	34	52	1930	F	SCD 19
500	SK3A0500KK9S	DH6	49.0	41.5	64.0	2850	F	SCD 20
750	SK3A0750KK9S	DH7	54.0	46.5	72.0	4250	F	SCD 20
1000	SK3A1000KK9S	DH8	60.0	49.5	82.0	5600	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015PB9S	DH1	21.5	20.13	22	230	F or W/C	SCD 19
30	SK3A0030PB9S	DH2	25.75	23.75	28.75	330	F or W/C	SCD 19
45	SK3A0045PB9S	DH2	25.75	23.75	28.75	410	F or W/C	SCD 19
75	SK3A0075PB9S	DH3	28.25	27	36	550	F (Opt W/C)	SCD 19
112.5	SK3A0112PB9S	DH3	28.25	27	36	720	F (Opt W/C)	SCD 19
150	SK3A0150PB9S	DH4	31.5	29.5	44.5	1040	F	SCD 19
225	SK3A0225PB9S	DH5	37.5	34	52	1470	F	SCD 19
300	SK3A0300PB9S	DH5	37.5	34	52	1930	F	SCD 19
500	SK3A0500PB9S	DH6	49.0	41.5	64.0	2850	F	SCD 20
750	SK3A0750PB9S	DH7	54.0	46.5	72.0	4250	F	SCD 20
1000	SK3A1000PB9S	DH8	60.0	49.5	82.0	5600	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015PK9S	DH1	21.5	20.13	22	230	F or W/C	SCD 19
30	SK3A0030PK9S	DH2	25.75	23.75	28.75	330	F or W/C	SCD 19
45	SK3A0045PK9S	DH2	25.75	23.75	28.75	410	F or W/C	SCD 19
75	SK3A0075PK9S	DH3	28.25	27	36	550	F (Opt W/C)	SCD 19
112.5	SK3A0112PK9S	DH3	28.25	27	36	720	F (Opt W/C)	SCD 19
150	SK3A0150PK9S	DH4	31.5	29.5	44.5	1040	F	SCD 19
225	SK3A0225PK9S	DH5	37.5	34	52	1470	F	SCD 19
300	SK3A0300PK9S	DH5	37.5	34	52	1930	F	SCD 19
500	SK3A0500PK9S	DH6	49.0	41.5	64.0	2850	F	SCD 20
750	SK3A0750PK9S	DH7	54.0	46.5	72.0	4250	F	SCD 20
1000	SK3A1000PK9S	DH8	60.0	49.5	82.0	5600	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel K
Energy Efficient K-Factor



K-FACTOR 9 COPPER WOUND, SHIELDED, THREE PHASE

480 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015KB9K	DH1	21.5	20.13	22	230	F or W/C	SCD 19
30	SK3A0030KB9K	DH2	25.75	23.75	28.75	360	F or W/C	SCD 19
45	SK3A0045KB9K	DH2	25.75	23.75	28.75	420	F or W/C	SCD 19
75	SK3A0075KB9K	DH3	28.25	27	36	610	F (Opt W/C)	SCD 19
112.5	SK3A0112KB9K	DH3	28.25	27	36	830	F (Opt W/C)	SCD 19
150	SK3A0150KB9K	DH4	31.5	29.5	44.5	1080	F	SCD 19
225	SK3A0225KB9K	DH4	31.5	29.5	44.5	1600	F	SCD 19
300	SK3A0300KB9K	DH5	37.5	34	52	2040	F	SCD 19
500	SK3A0500KB9K	DH6	49.0	41.5	64.0	3300	F	SCD 20
750	SK3A0750KB9K	DH6	49.0	41.5	64.0	4400	F	SCD 20
1000	SK3A1000KB9K	DH7	54.0	46.5	72.0	5400	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

480 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015KK9K	DH1	21.5	20.13	22	230	F or W/C	SCD 19
30	SK3A0030KK9K	DH2	25.75	23.75	28.75	360	F or W/C	SCD 19
45	SK3A0045KK9K	DH2	25.75	23.75	28.75	420	F or W/C	SCD 19
75	SK3A0075KK9K	DH3	28.25	27	36	610	F (Opt W/C)	SCD 19
112.5	SK3A0112KK9K	DH3	28.25	27	36	830	F (Opt W/C)	SCD 19
150	SK3A0150KK9K	DH4	31.5	29.5	44.5	1080	F	SCD 19
225	SK3A0225KK9K	DH4	31.5	29.5	44.5	1600	F	SCD 19
300	SK3A0300KK9K	DH5	37.5	34	52	2040	F	SCD 19
500	SK3A0500KK9K	DH6	49.0	41.5	64.0	3300	F	SCD 20
750	SK3A0750KK9K	DH6	49.0	41.5	64.0	4400	F	SCD 20
1000	SK3A1000KK9K	DH7	54.0	46.5	72.0	5400	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015PB9K	DH1	21.5	20.13	22	230	F or W/C	SCD 19
30	SK3A0030PB9K	DH2	25.75	23.75	28.75	360	F or W/C	SCD 19
45	SK3A0045PB9K	DH2	25.75	23.75	28.75	420	F or W/C	SCD 19
75	SK3A0075PB9K	DH3	28.25	27	36	610	F (Opt W/C)	SCD 19
112.5	SK3A0112PB9K	DH3	28.25	27	36	830	F (Opt W/C)	SCD 19
150	SK3A0150PB9K	DH4	31.5	29.5	44.5	1080	F	SCD 19
225	SK3A0225PB9K	DH4	31.5	29.5	44.5	1600	F	SCD 19
300	SK3A0300PB9K	DH5	37.5	34	52	2040	F	SCD 19
500	SK3A0500PB9K	DH6	49.0	41.5	64.0	3300	F	SCD 20
750	SK3A0750PB9K	DH6	49.0	41.5	64.0	4400	F	SCD 20
1000	SK3A1000PB9K	DH7	54.0	46.5	72.0	5400	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015PK9K	DH1	21.5	20.13	22	230	F or W/C	SCD 19
30	SK3A0030PK9K	DH2	25.75	23.75	28.75	360	F or W/C	SCD 19
45	SK3A0045PK9K	DH2	25.75	23.75	28.75	420	F or W/C	SCD 19
75	SK3A0075PK9K	DH3	28.25	27	36	610	F (Opt W/C)	SCD 19
112.5	SK3A0112PK9K	DH3	28.25	27	36	830	F (Opt W/C)	SCD 19
150	SK3A0150PK9K	DH4	31.5	29.5	44.5	1080	F	SCD 19
225	SK3A0225PK9K	DH4	31.5	29.5	44.5	1600	F	SCD 19
300	SK3A0300PK9K	DH5	37.5	34	52	2040	F	SCD 19
500	SK3A0500PK9K	DH6	49.0	41.5	64.0	3300	F	SCD 20
750	SK3A0750PK9K	DH6	49.0	41.5	64.0	4400	F	SCD 20
1000	SK3A1000PK9K	DH7	54.0	46.5	72.0	5400	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel K
Energy Efficient K-Factor

K-FACTOR 13

ALUMINUM WOUND, SHIELDED, THREE PHASE

480 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015KB3S	DH1	21.5	20.13	22	240	F or W/C	SCD 19
30	SK3A0030KB3S	DH2	25.75	23.75	28.75	340	F or W/C	SCD 19
45	SK3A0045KB3S	DH2	25.75	23.75	28.75	420	F or W/C	SCD 19
75	SK3A0075KB3S	DH3	28.25	27	36	560	F (Opt W/C)	SCD 19
112.5	SK3A0112KB3S	DH3	28.25	27	36	730	F (Opt W/C)	SCD 19
150	SK3A0150KB3S	DH4	31.5	29.5	44.5	1070	F	SCD 19
225	SK3A0225KB3S	DH5	37.5	34	52	1500	F	SCD 19
300	SK3A0300KB3S	DH5	37.5	34	52	1950	F	SCD 19
500	SK3A0500KB3S	DH6	49.0	41.5	64.0	2900	F	SCD 20
750	SK3A0750KB3S	DH7	54.0	46.5	72.0	4400	F	SCD 20
1000	SK3A1000KB3S	DH8	60.0	49.5	82.0	5700	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

480 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015KK3S	DH1	21.5	20.13	22	240	F or W/C	SCD 19
30	SK3A0030KK3S	DH2	25.75	23.75	28.75	340	F or W/C	SCD 19
45	SK3A0045KK3S	DH2	25.75	23.75	28.75	420	F or W/C	SCD 19
75	SK3A0075KK3S	DH3	28.25	27	36	560	F (Opt W/C)	SCD 19
112.5	SK3A0112KK3S	DH3	28.25	27	36	730	F (Opt W/C)	SCD 19
150	SK3A0150KK3S	DH4	31.5	29.5	44.5	1070	F	SCD 19
225	SK3A0225KK3S	DH5	37.5	34	52	1500	F	SCD 19
300	SK3A0300KK3S	DH5	37.5	34	52	1950	F	SCD 19
500	SK3A0500KK3S	DH6	49.0	41.5	64.0	2900	F	SCD 20
750	SK3A0750KK3S	DH7	54.0	46.5	72.0	4400	F	SCD 20
1000	SK3A1000KK3S	DH8	60.0	49.5	82.0	5700	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015PB3S	DH1	21.5	20.13	22	240	F or W/C	SCD 19
30	SK3A0030PB3S	DH2	25.75	23.75	28.75	340	F or W/C	SCD 19
45	SK3A0045PB3S	DH2	25.75	23.75	28.75	420	F or W/C	SCD 19
75	SK3A0075PB3S	DH3	28.25	27	36	560	F (Opt W/C)	SCD 19
112.5	SK3A0112PB3S	DH3	28.25	27	36	730	F (Opt W/C)	SCD 19
150	SK3A0150PB3S	DH4	31.5	29.5	44.5	1070	F	SCD 19
225	SK3A0225PB3S	DH5	37.5	34	52	1500	F	SCD 19
300	SK3A0300PB3S	DH5	37.5	34	52	1950	F	SCD 19
500	SK3A0500PB3S	DH6	49.0	41.5	64.0	2900	F	SCD 20
750	SK3A0750PB3S	DH7	54.0	46.5	72.0	4400	F	SCD 20
1000	SK3A1000PB3S	DH8	60.0	49.5	82.0	5700	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015PK3S	DH1	21.5	20.13	22	240	F or W/C	SCD 19
30	SK3A0030PK3S	DH2	25.75	23.75	28.75	340	F or W/C	SCD 19
45	SK3A0045PK3S	DH2	25.75	23.75	28.75	420	F or W/C	SCD 19
75	SK3A0075PK3S	DH3	28.25	27	36	560	F (Opt W/C)	SCD 19
112.5	SK3A0112PK3S	DH3	28.25	27	36	730	F (Opt W/C)	SCD 19
150	SK3A0150PK3S	DH4	31.5	29.5	44.5	1070	F	SCD 19
225	SK3A0225PK3S	DH5	37.5	34	52	1500	F	SCD 19
300	SK3A0300PK3S	DH5	37.5	34	52	1950	F	SCD 19
500	SK3A0500PK3S	DH6	49.0	41.5	64.0	2900	F	SCD 20
750	SK3A0750PK3S	DH7	54.0	46.5	72.0	4400	F	SCD 20
1000	SK3A1000PK3S	DH8	60.0	49.5	82.0	5700	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel K
Energy Efficient K-Factor



K-FACTOR 13 COPPER WOUND, SHIELDED, THREE PHASE

480 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015KB3K	DH1	21.5	20.13	22	240	F or W/C	SCD 19
30	SK3A0030KB3K	DH2	25.75	23.75	28.75	370	F or W/C	SCD 19
45	SK3A0045KB3K	DH2	25.75	23.75	28.75	430	F or W/C	SCD 19
75	SK3A0075KB3K	DH3	28.25	27	36	620	F (Opt W/C)	SCD 19
112.5	SK3A0112KB3K	DH3	28.25	27	36	840	F (Opt W/C)	SCD 19
150	SK3A0150KB3K	DH4	31.5	29.5	44.5	1100	F	SCD 19
225	SK3A0225KB3K	DH4	31.5	29.5	44.5	1620	F	SCD 19
300	SK3A0300KB3K	DH5	37.5	34	52	2060	F	SCD 19
500	SK3A0500KB3K	DH6	49.0	41.5	64.0	3400	F	SCD 20
750	SK3A0750KB3K	DH6	49.0	41.5	64.0	4500	F	SCD 20
1000	SK3A1000KB3K	DH7	54.0	46.5	72.0	5700	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

480 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015KK3K	DH1	21.5	20.13	22	240	F or W/C	SCD 19
30	SK3A0030KK3K	DH2	25.75	23.75	28.75	370	F or W/C	SCD 19
45	SK3A0045KK3K	DH2	25.75	23.75	28.75	430	F or W/C	SCD 19
75	SK3A0075KK3K	DH3	28.25	27	36	620	F (Opt W/C)	SCD 19
112.5	SK3A0112KK3K	DH3	28.25	27	36	840	F (Opt W/C)	SCD 19
150	SK3A0150KK3K	DH4	31.5	29.5	44.5	1100	F	SCD 19
225	SK3A0225KK3K	DH4	31.5	29.5	44.5	1620	F	SCD 19
300	SK3A0300KK3K	DH5	37.5	34	52	2060	F	SCD 19
500	SK3A0500KK3K	DH6	49.0	41.5	64.0	3400	F	SCD 20
750	SK3A0750KK3K	DH6	49.0	41.5	64.0	4500	F	SCD 20
1000	SK3A1000KK3K	DH7	54.0	46.5	72.0	5700	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015PB3K	DH1	21.5	20.13	22	240	F or W/C	SCD 19
30	SK3A0030PB3K	DH2	25.75	23.75	28.75	370	F or W/C	SCD 19
45	SK3A0045PB3K	DH2	25.75	23.75	28.75	430	F or W/C	SCD 19
75	SK3A0075PB3K	DH3	28.25	27	36	620	F (Opt W/C)	SCD 19
112.5	SK3A0112PB3K	DH3	28.25	27	36	840	F (Opt W/C)	SCD 19
150	SK3A0150PB3K	DH4	31.5	29.5	44.5	1100	F	SCD 19
225	SK3A0225PB3K	DH4	31.5	29.5	44.5	1620	F	SCD 19
300	SK3A0300PB3K	DH5	37.5	34	52	2060	F	SCD 19
500	SK3A0500PB3K	DH6	49.0	41.5	64.0	3400	F	SCD 20
750	SK3A0750PB3K	DH6	49.0	41.5	64.0	4500	F	SCD 20
1000	SK3A1000PB3K	DH7	54.0	46.5	72.0	5700	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SK3A0015PK3K	DH1	21.5	20.13	22	240	F or W/C	SCD 19
30	SK3A0030PK3K	DH2	25.75	23.75	28.75	370	F or W/C	SCD 19
45	SK3A0045PK3K	DH2	25.75	23.75	28.75	430	F or W/C	SCD 19
75	SK3A0075PK3K	DH3	28.25	27	36	620	F (Opt W/C)	SCD 19
112.5	SK3A0112PK3K	DH3	28.25	27	36	840	F (Opt W/C)	SCD 19
150	SK3A0150PK3K	DH4	31.5	29.5	44.5	1100	F	SCD 19
225	SK3A0225PK3K	DH4	31.5	29.5	44.5	1620	F	SCD 19
300	SK3A0300PK3K	DH5	37.5	34	52	2060	F	SCD 19
500	SK3A0500PK3K	DH6	49.0	41.5	64.0	3400	F	SCD 20
750	SK3A0750PK3K	DH6	49.0	41.5	64.0	4500	F	SCD 20
1000	SK3A1000PK3K	DH7	54.0	46.5	72.0	5700	F	SCD 10

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel H
Energy Efficient Harmonic Mitigation

ALUMINUM WOUND, SHIELDED, THREE PHASE 0° PHASE SHIFT

480 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz



kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SH3T0015KB3S	DH1	21.5	20.13	22.0	250	F or W/C	SCD62
30	SH3T0030KB3S	DH2	25.75	23.75	28.75	380	F or W/C	SCD62
45	SH3T0045KB3S	DH2	25.75	23.75	28.75	450	F or W/C	SCD62
75	SH3T0075KB3S	DH3	28.25	27.0	36.0	650	F (Opt W/C)	SCD62
112.5	SH3T0112KB3S	DH3	28.25	27.0	36.0	880	F (Opt W/C)	SCD62
150	SH3T0150KB3S	DH4	31.5	29.5	44.5	1160	F	SCD62
225	SH3T0225KB3S	DH5	37.5	34.0	52.0	1720	F	SCD62
300	SH3T0300KB3S	DH5	37.5	34.0	52.0	2150	F	SCD63
500	SH3T0500KB3S	DH6	49.0	41.5	64.0	3600	F	SCD63
750	SH3T0750KB3S	DH7	54.0	46.5	72.0	4800	F	SCD66
1000	SH3T1000KB3S	DH8	60.0	49.5	82.0	6000	F	SCD66

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SH3T0015PB3S	DH1	21.5	20.13	22.0	250	F or W/C	SCD62
30	SH3T0030PB3S	DH2	25.75	23.75	28.75	380	F or W/C	SCD62
45	SH3T0045PB3S	DH2	25.75	23.75	28.75	450	F or W/C	SCD62
75	SH3T0075PB3S	DH3	28.25	27.0	36.0	650	F (Opt W/C)	SCD62
112.5	SH3T0112PB3S	DH3	28.25	27.0	36.0	880	F (Opt W/C)	SCD62
150	SH3T0150PB3S	DH4	31.5	29.5	44.5	1160	F	SCD62
225	SH3T0225PB3S	DH5	37.5	34.0	52.0	1720	F	SCD62
300	SH3T0300PB3S	DH5	37.5	34.0	52.0	2150	F	SCD63
500	SH3T0500PB3S	DH6	49.0	41.5	64.0	3600	F	SCD63
750	SH3T0750PB3S	DH7	54.0	46.5	72.0	4800	F	SCD66
1000	SH3T1000PB3S	DH8	60.0	49.5	82.0	6000	F	SCD66

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

COPPER WOUND, SHIELDED, THREE PHASE 0° PHASE SHIFT

480 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz



kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SH3T0015KB3K	DH1	21.5	20.13	22.0	270	F or W/C	SCD62
30	SH3T0030KB3K	DH2	25.75	23.75	28.75	410	F or W/C	SCD62
45	SH3T0045KB3K	DH2	25.75	23.75	28.75	480	F or W/C	SCD62
75	SH3T0075KB3K	DH3	28.25	27.0	36.0	700	F (Opt W/C)	SCD62
112.5	SH3T0112KB3K	DH3	28.25	27.0	36.0	940	F (Opt W/C)	SCD62
150	SH3T0150KB3K	DH4	31.5	29.5	44.5	1250	F	SCD62
225	SH3T0225KB3K	DH4	31.5	29.5	44.5	1850	F	SCD62
300	SH3T0300KB3K	DH5	37.5	34.0	52.0	2300	F	SCD63
500	SH3T0500KB3K	DH6	49.0	41.5	64.0	3800	F	SCD63
750	SH3T0750KB3K	DH6	49.0	41.5	64.0	5100	F	SCD66
1000	SH3T1000KB3K	DH7	54.0	46.5	72.0	6400	F	SCD66

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SH3T0015PB3K	DH1	21.5	20.13	22.0	270	F or W/C	SCD62
30	SH3T0030PB3K	DH2	25.75	23.75	28.75	410	F or W/C	SCD62
45	SH3T0045PB3K	DH2	25.75	23.75	28.75	480	F or W/C	SCD62
75	SH3T0075PB3K	DH3	28.25	27.0	36.0	700	F (Opt W/C)	SCD62
112.5	SH3T0112PB3K	DH3	28.25	27.0	36.0	940	F (Opt W/C)	SCD62
150	SH3T0150PB3K	DH4	31.5	29.5	44.5	1250	F	SCD62
225	SH3T0225PB3K	DH4	31.5	29.5	44.5	1850	F	SCD62
300	SH3T0300PB3K	DH5	37.5	34.0	52.0	2300	F	SCD63
500	SH3T0500PB3K	DH6	49.0	41.5	64.0	3800	F	SCD63
750	SH3T0750PB3K	DH6	49.0	41.5	64.0	5100	F	SCD66
1000	SH3T1000PB3K	DH7	54.0	46.5	72.0	6400	F	SCD66

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Selection Tables

HPS Sentinel H
Energy Efficient Harmonic Mitigation



ALUMINUM WOUND, SHIELDED, THREE PHASE -30° PHASE SHIFT



480Y Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SH3U0015KB3S	DH1	21.5	20.13	22.0	260	F or W/C	SCD62
30	SH3U0030KB3S	DH2	25.75	23.75	28.75	400	F or W/C	SCD62
45	SH3U0045KB3S	DH2	25.75	23.75	28.75	480	F or W/C	SCD62
75	SH3U0075KB3S	DH3	28.25	27.0	36.0	690	F (Opt W/C)	SCD62
112.5	SH3U0112KB3S	DH3	28.25	27.0	36.0	930	F (Opt W/C)	SCD62
150	SH3U0150KB3S	DH4	31.5	29.5	44.5	1220	F	SCD62
225	SH3U0225KB3S	DH5	37.5	34.0	52.0	1800	F	SCD67
300	SH3U0300KB3S	DH5	37.5	34.0	52.0	2250	F	SCD64
500	SH3U0500KB3S	DH6	49.0	41.5	64.0	3800	F	SCD64
750	SH3U0750KB3S	DH7	54.0	46.5	72.0	5100	F	SCD65
1000	SH3U1000KB3S	DH8	60.0	49.5	82.0	6300	F	SCD65

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600Y Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SH3U0015PB3S	DH1	21.5	20.13	22.0	260	F or W/C	SCD62
30	SH3U0030PB3S	DH2	25.75	23.75	28.75	400	F or W/C	SCD62
45	SH3U0045PB3S	DH2	25.75	23.75	28.75	480	F or W/C	SCD62
75	SH3U0075PB3S	DH3	28.25	27.0	36.0	690	F (Opt W/C)	SCD62
112.5	SH3U0112PB3S	DH3	28.25	27.0	36.0	930	F (Opt W/C)	SCD62
150	SH3U0150PB3S	DH4	31.5	29.5	44.5	1220	F	SCD62
225	SH3U0225PB3S	DH5	37.5	34.0	52.0	1800	F	SCD67
300	SH3U0300PB3S	DH5	37.5	34.0	52.0	2250	F	SCD64
500	SH3U0500PB3S	DH6	49.0	41.5	64.0	3800	F	SCD64
750	SH3U0750PB3S	DH7	54.0	46.5	72.0	5100	F	SCD65
1000	SH3U1000PB3S	DH8	60.0	49.5	82.0	6300	F	SCD65

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

COPPER WOUND, SHIELDED, THREE PHASE -30° PHASE SHIFT



480Y Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SH3U0015KB3K	DH1	21.5	20.13	22.0	270	F or W/C	SCD62
30	SH3U0030KB3K	DH2	25.75	23.75	28.75	410	F or W/C	SCD62
45	SH3U0045KB3K	DH2	25.75	23.75	28.75	480	F or W/C	SCD62
75	SH3U0075KB3K	DH3	28.25	27.0	36.0	700	F (Opt W/C)	SCD62
112.5	SH3U0112KB3K	DH3	28.25	27.0	36.0	940	F (Opt W/C)	SCD62
150	SH3U0150KB3K	DH4	31.5	29.5	44.5	1250	F	SCD62
225	SH3U0225KB3K	DH4	31.5	29.5	44.5	1850	F	SCD67
300	SH3U0300KB3K	DH5	37.5	34.0	52.0	2300	F	SCD64
500	SH3U0500KB3K	DH6	49.0	41.5	64.0	3800	F	SCD64
750	SH3U0750KB3K	DH6	49.0	41.5	64.0	5100	F	SCD65
1000	SH3U1000KB3K	DH7	54.0	46.5	72.0	6400	F	SCD65

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

600Y Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram
			Width	Depth	Height			
15	SH3U0015PB3K	DH1	21.5	20.13	22.0	270	F or W/C	SCD62
30	SH3U0030PB3K	DH2	25.75	23.75	28.75	410	F or W/C	SCD62
45	SH3U0045PB3K	DH2	25.75	23.75	28.75	480	F or W/C	SCD62
75	SH3U0075PB3K	DH3	28.25	27.0	36.0	700	F (Opt W/C)	SCD62
112.5	SH3U0112PB3K	DH3	28.25	27.0	36.0	940	F (Opt W/C)	SCD62
150	SH3U0150PB3K	DH4	31.5	29.5	44.5	1250	F	SCD62
225	SH3U0225PB3K	DH4	31.5	29.5	44.5	1850	F	SCD67
300	SH3U0300PB3K	DH5	37.5	34.0	52.0	2300	F	SCD64
500	SH3U0500PB3K	DH6	49.0	41.5	64.0	3800	F	SCD64
750	SH3U0750PB3K	DH6	49.0	41.5	64.0	5100	F	SCD65
1000	SH3U1000PB3K	DH7	54.0	46.5	72.0	6400	F	SCD65

W/C: Built-in Wall Ceiling Mounting Opt W/C: Wall Ceiling Mounting Kit "DW3" Available OSHPD Certified for Floor Mounting Only

Sentinel H type Harmonic Mitigating transformers have a standard K13 load profile.
Other K load profiles are available by contacting our sales offices.

Data subject to change without notice.

Termination Details

TERMINATION DETAILS - TYPE 3R

For standard 150°C temperature rise units.

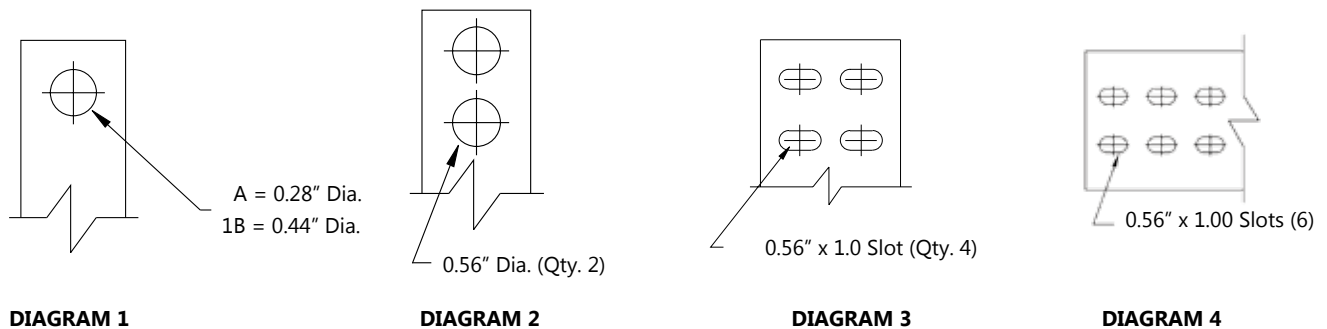
SINGLE PHASE, ALUMINUM AND COPPER TERMINATION - LUGS OR PADS

kVA	VOLTAGE									
	120	120/240	208	240	277	347	380	416	480	600
15	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs
25	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs
37.5	Dia. 2	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs
50	Dia. 2	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs
75	Dia. 3	Dia. 2	Dia. 2	Dia. 2	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs
100	Dia. 3	Dia. 2	Dia. 2	Dia. 2	Dia. 2	Dia. 2	Lugs	Lugs	Lugs	Lugs
150	Dia. 3	Dia. 3	Dia. 3	Dia. 3	Dia. 2	Dia. 2	Dia. 2	Dia. 2	Dia. 2	Lugs
167	Dia. 3	Dia. 3	Dia. 3	Dia. 3	Dia. 3	Dia. 2	Dia. 3	Dia. 3	Dia. 3	Dia. 2

THREE PHASE, ALUMINUM AND COPPER TERMINATION - LUGS OR PADS

kVA	VOLTAGE								
	208	230	240	277	380	416	480	600	
15	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	
30	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	
45	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	
75	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	
112.5	Lugs**	Dia. 1B	Lugs	Lugs	Lugs	Lugs	Lugs	Lugs	
150	Dia. 1B	Dia. 1B	Dia. 1B	Dia. 1B	Lugs	Lugs	Lugs	Lugs	
225	Dia. 2	Dia. 1B	Dia. 1B	Dia. 1B	Dia. 1B	Dia. 1B	Lugs	Lugs	
300	Dia. 2	Dia. 2	Dia. 2	Dia. 2	Dia. 1B	Dia. 1B	Dia. 1B	Dia. 1B	
500	Dia. 3	Dia. 3	Dia. 3	Dia. 3	Dia. 3	Dia. 2	Dia. 2	Dia. 1B	
750	Dia. 3	Dia. 3	Dia. 3	Dia. 3	Dia. 3	Dia. 3	Dia. 3	Dia. 2	
1000	Dia.4	Dia.4	Dia.4	Dia.4	Dia.3	Dia.3	Dia.3	Dia.3	

** Lugs only supplied standard on 600V primary to 208Y/120V secondary units. (excluding K-Factor transformers)
All other voltages supplied standard with Diagram 1B pads.

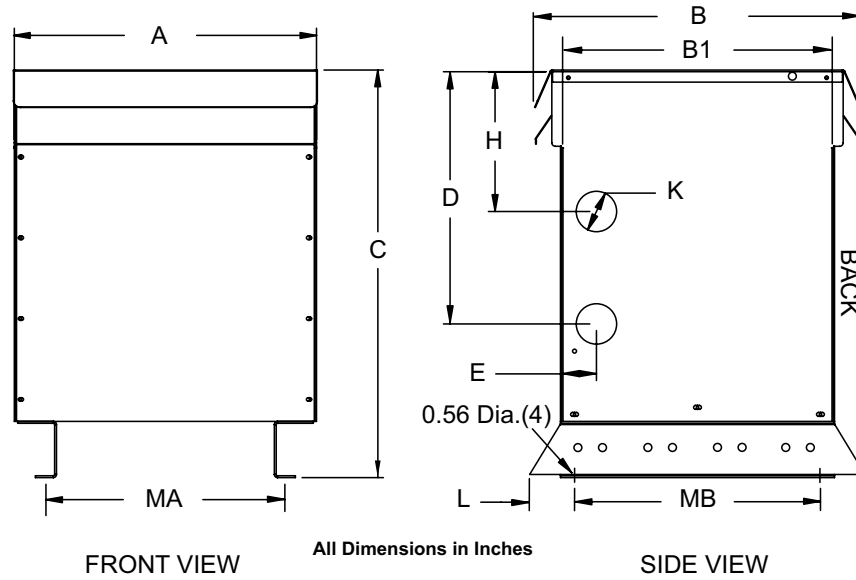


Enclosure Drawings

NH Series



Hammond
Power Solutions

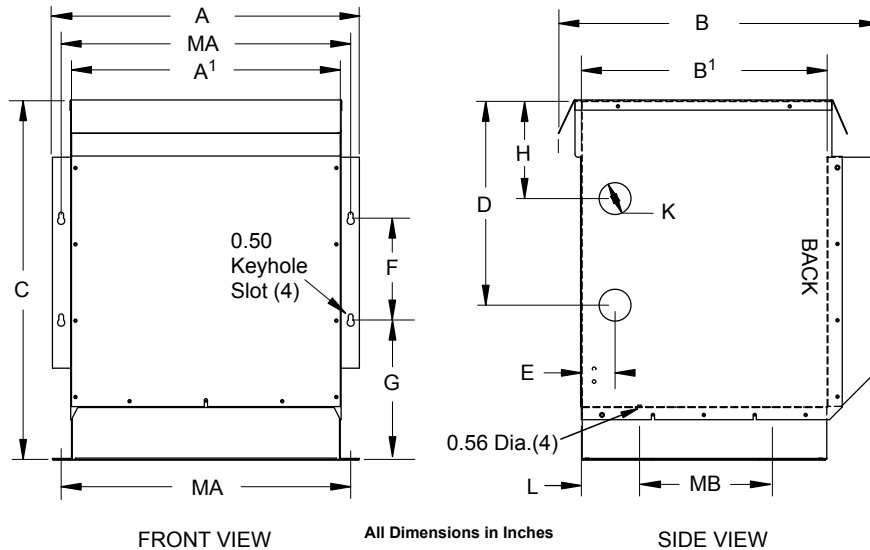


All Dimensions in Inches

Case Style	Dimensions in Inches										
	A	B	B1	C	D	E	H	K ¹	L	MA	MB
NH3	26.00	25.00	24.00	38.00	24.00	2.50	14.00	2.00 X 3.00	2.50	21.50	19.00
NH4	32.00	29.50	28.50	41.00	24.00	2.50	12.00	2.00 X 3.00	2.50	23.50	23.50

Note: Mounting hole dimension is 0.56" diameter.

¹ Knockout (K) sizes are actual diameters of knockout, not conduit sizes.



All Dimensions in Inches

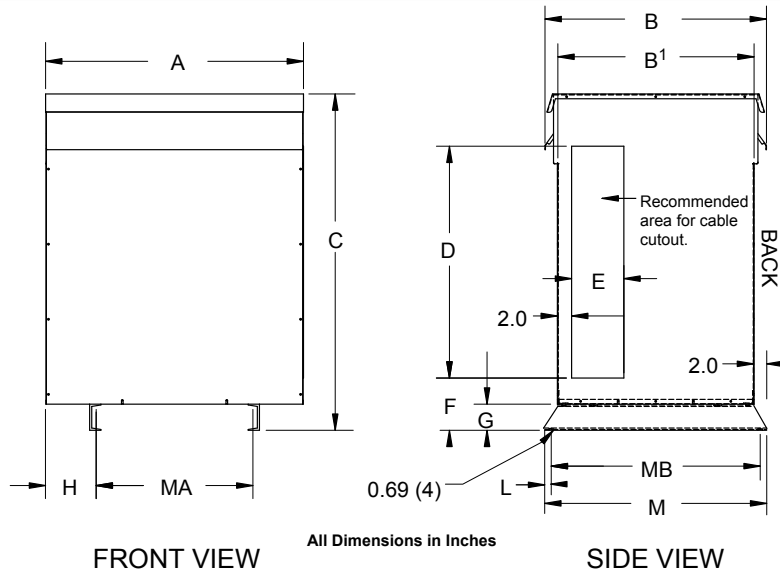
Case Style	Dimensions in Inches													
	A	A ¹	B	B ¹	C	D	E	F	G	H	K ¹	L	MA	MB
NH5	19.40	16.75	20.20	15.00	21.50	12.00	2.00	7.00	7.81	6.00	1.38 X 1.75	2.80	18.00	9.00
NH6	23.90	21.50	25.00	19.50	28.75	17.00	2.00	8.00	10.29	8.50	1.38 X 2.50	5.20	22.75	9.00

Note: Mounting hole dimension is 0.56" diameter.

¹ Knockout (K) sizes are actual diameters of knockout, not conduit sizes.

Enclosure Drawings

NJ Series

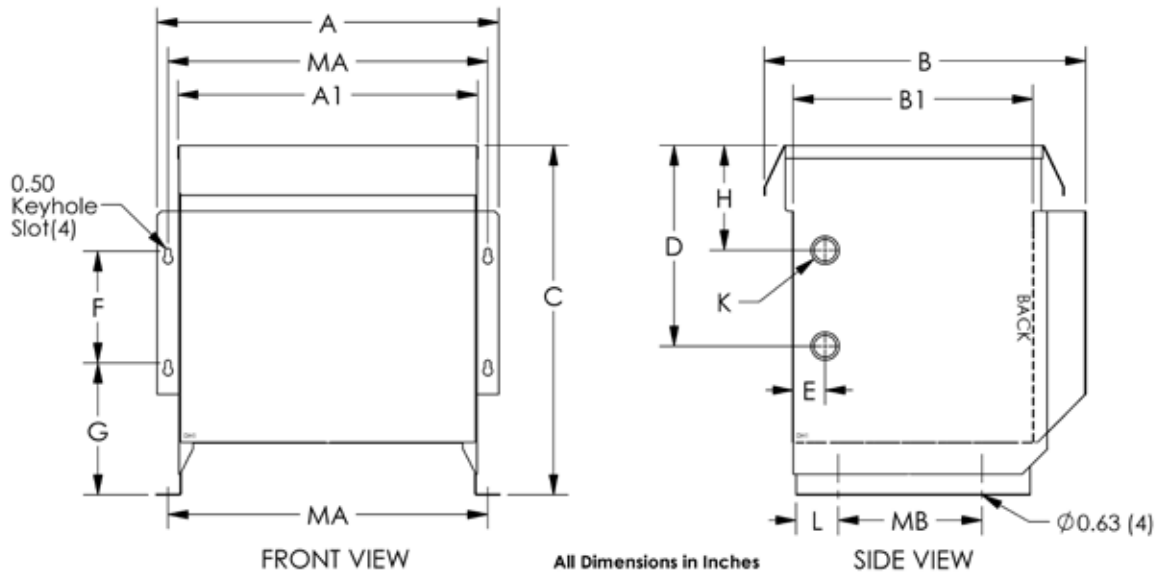


Case Style	Dimensions in Inches												
	A	B	B ¹	C	D	E	F	G	H	L	M	MA	MB
NJ4	32.00	32.50	28.50	50.00	34.00	8.00	8.00	4.00	5.00	1.00	32.50	22.00	30.50

Note: Mounting hole dimension is 0.69" diameter.

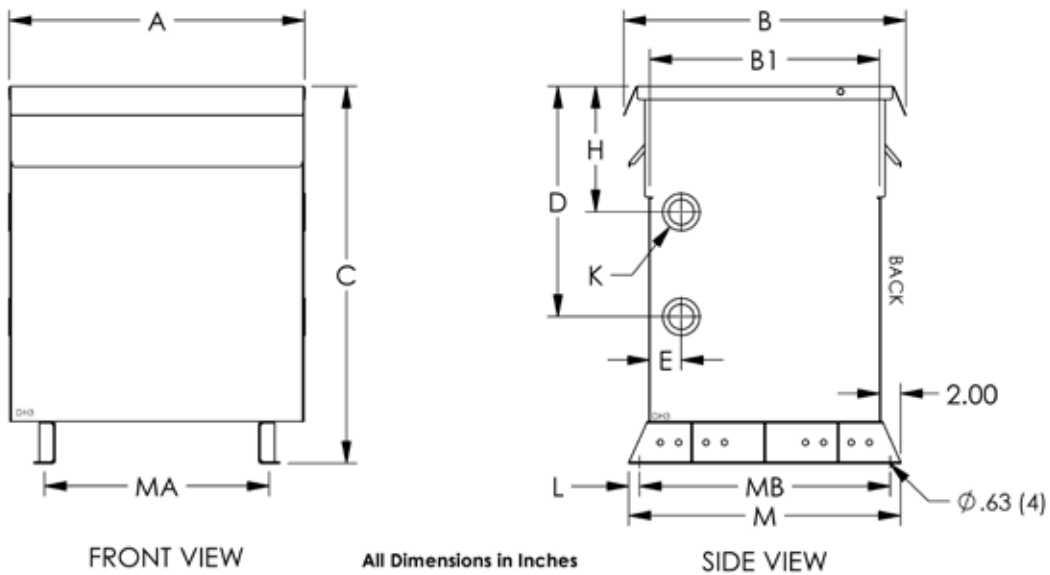
Enclosure Drawings

DH Series



Case Style	Dimensions in Inches														
	A	A1	B	B1	C	D	E	F	G	H	K	L	MA	MB	
DH1	21.5	18.8	20.1	15	22	12.6	2	7	8.3	6.6	1.38 X 1.75 K.O.	2.6	20	9	
DH2	25.8	23.3	23.8	18	28.8	17	2	8	10.3	8.6	1.75 X 2.50 K.O.	3.8	24.6	9	

¹ Knockout (K) sizes are actual diameters of knockout, not conduit sizes.

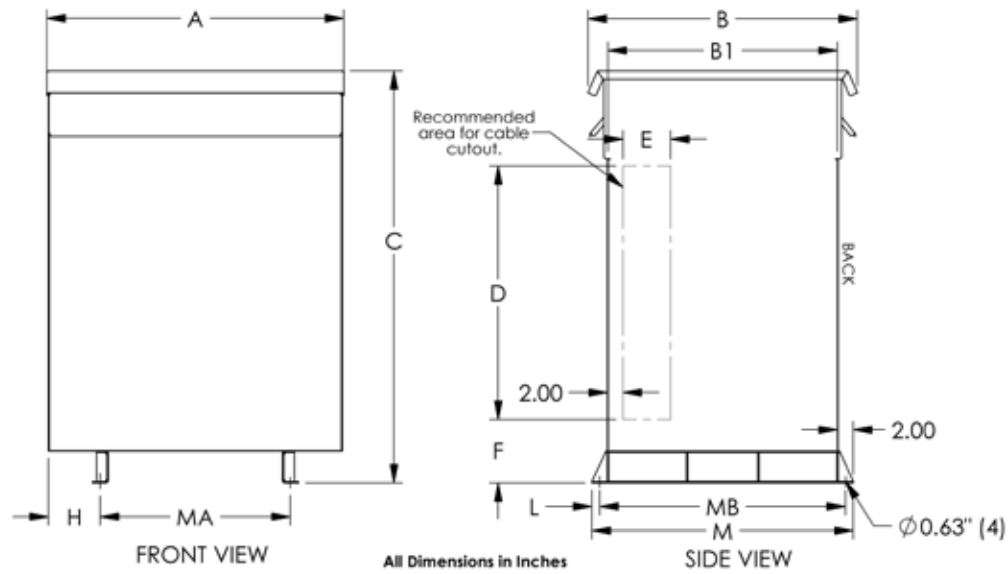


Case Style	Dimensions in Inches												
	A	B	B1	C	D	E	H	K	L	M	MA	MB	
DH3	28.3	27	22	36	22	3	12	2.00 X 3.00 K.O.	1	26	21.5	24	
DH4	31.5	29.5	24.5	44.5	27.5	3	14.5	2.00 X 3.00 K.O.	1	28.5	23.5	26.5	

¹ Knockout (K) sizes are actual diameters of knockout, not conduit sizes.

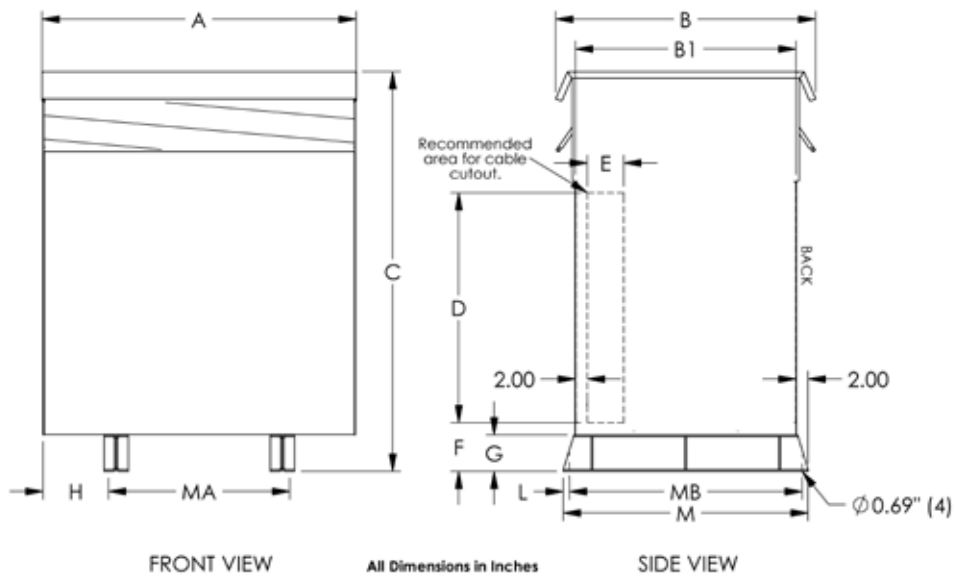
Enclosure Drawings

DH Series



Case Style	Dimensions in Inches											
	A	B	B1	C	D	E	F	H	L	M	MA	MB
DH5	37.5	34	29	52	32	6	8	6.6	1	33	24	31

¹ Knockout (K) sizes are actual diameters of knockout, not conduit sizes.



Case Style	Dimensions in Inches												
	A	B	B1	C	D	E	F	G	H	L	M	MA	MB
DH6	49	41.5	35	64	32	6	10	6	9.3	1	39	30	37
DH7	54	46.5	40	72	40	8	10	6	8.8	1	44	36	42
DH8	60	49.5	43	82	50	10	10	6	9.8	1	47	40	45
DH9	68	49.5	43	72	40	10	10	6	11.8	1	47	44	45
DH10	78	54.5	48	78	46	10	10	6	14.8	1	52	48	50

¹ Knockout (K) sizes are actual diameters of knockout, not conduit sizes.

ENCLOSURE MOUNTING KITS

If wall and/or ceiling mounting is desired for a transformer, optional mounting kits can be ordered separately. These mounting kits are NOT available for all enclosure case styles. Therefore, it is important that you confirm your enclosure case style, then use the selection table to the right to determine if A) a mounting kit is available and B) determine the correct HPS "Mounting Kit" part number that you must order. One kit is required for each transformer. NOTE: Seismic qualification available for floor mounting only.

Note: Some of the mounting kits can be used for both wall and ceiling mount, while others are for wall mounting only. The table indicates which mounting methods are available for each kit. The DW3, NW2 wall/ceiling mounting kit also includes a drip plate.

The DW3 and NW2 wall/ceiling mounting kit is only designed for units up to 1000 pounds (453 kg) maximum.

If it is intended to wall and/or ceiling mount an enclosure that does not have a wall/ceiling mount kit available, considerations must be made to mechanically support the transformer safely and to install per the local building code. A drip plate must be provided beneath the enclosure per UL 1561 and CSA C22.2 No. 47.

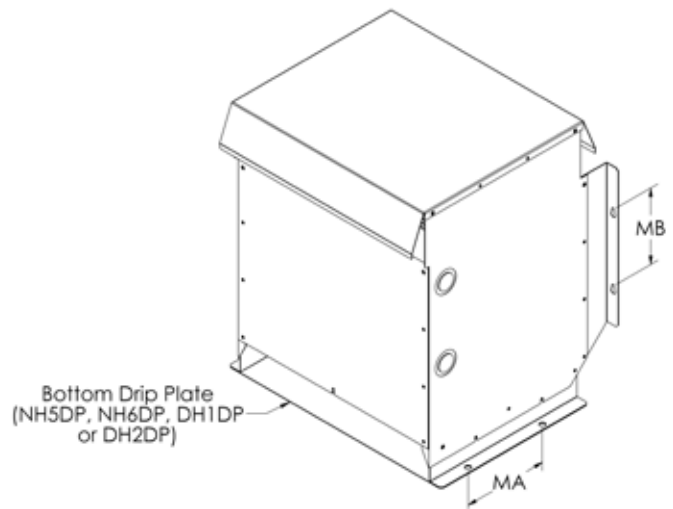
Enclosure Case Style	Wall Mount Available	Ceiling Mount Available	HPS Mounting Kit P/N
DH1	Yes	Yes	DH1DP
DH2	Yes	Yes	DH2DP
DH3	Yes	Yes	DW3
DH4	No	No	N/A
DH5	No	No	N/A
DH6	No	No	N/A
DH7	No	No	N/A
DH8	No	No	N/A
NJ4	No	No	N/A
NH3	Yes	Yes	NW2
NH4	No	No	N/A
NH5	Yes	Yes	NH5DP
NH6	Yes	Yes	NH6DP

NH5DP, NH6DP, DH1DP, DH2DP WALL/CEILING MOUNTING KITS

The DH1, DH2, NH5 and NH6 enclosures are designed with integral wall mounting capabilities. However, when you wall mount them, you must also install the bottom drip plate as shown below. The "MB" dimensions listed in the table below indicate the location for the wall mounting hardware.

For ceiling mounting of the DH1, DH2, NH5 and NH6, refer to the "MA" dimensions listed in the table below and hang the enclosure using appropriate sized ceiling hanger rods. However, you must be sure to install the bottom drip plate to the bottom of the enclosure, then bring the hanger rod down through both the enclosure bottom mounting holes, through the drip plate mounting holes, and install mounting hardware.

Note: Do not ceiling mount either the DH1, DH2, NH5 or NH6 enclosures without installing the bottom drip plate. All mounting hardware should be rated Grade 8 or higher.



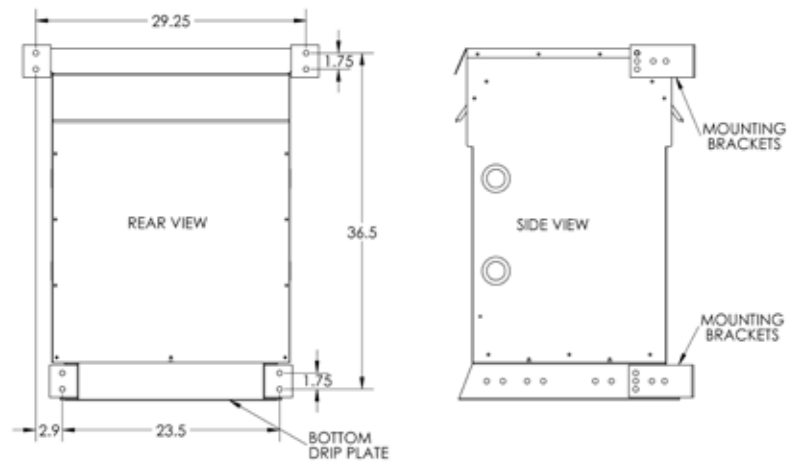
Mounting Kit P/N	Enclosure Style	MA Dimension	MB Dimension
NH5DP	NH5	9.00	7.00
NH6DP	NH6	9.00	8.00
DH1DP	DH1	9.00	7.00
DH2DP	DH2	9.00	8.00

Enclosure Wall Mounting Dimensions

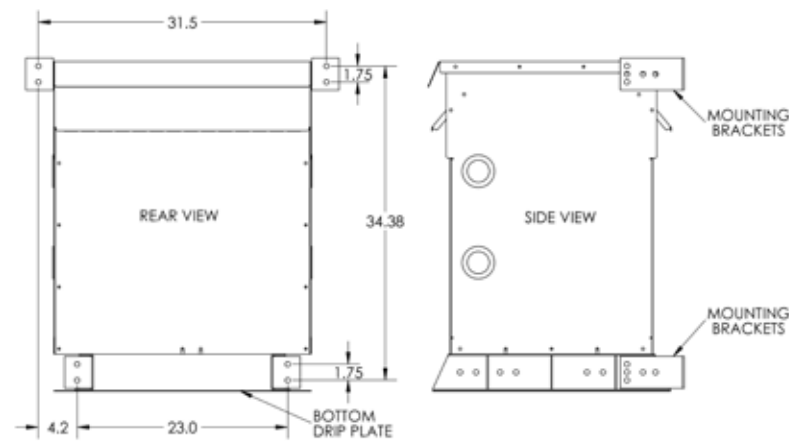
NW2, DW3 WALL MOUNTING KIT DIMENSIONS

The following drawings detail the wall mounting dimensions required and method by which the NW2 and DW3 kits are installed on their respective enclosures, NH3 and DH3. The DW3 wall mounting kit also includes a drip plate.

NW2 Wall Mount Dimensions



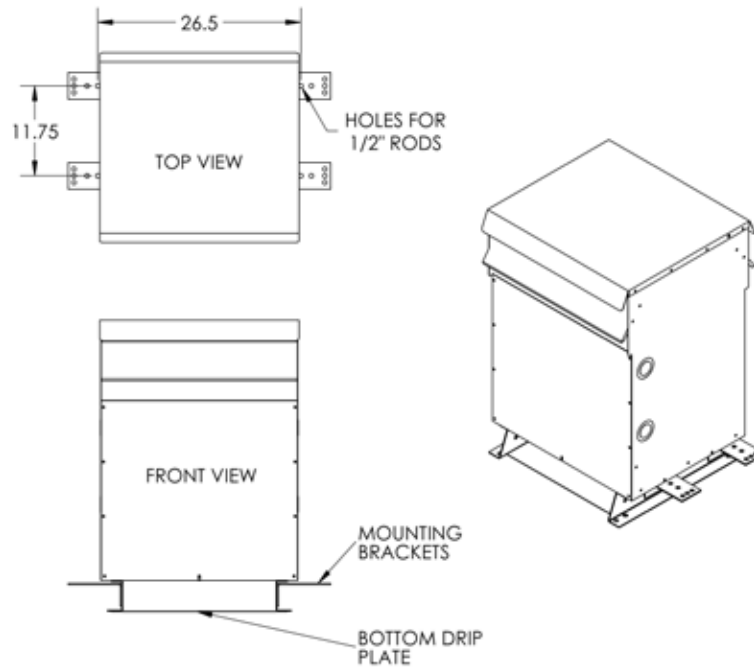
DW3 Wall Mount Dimensions



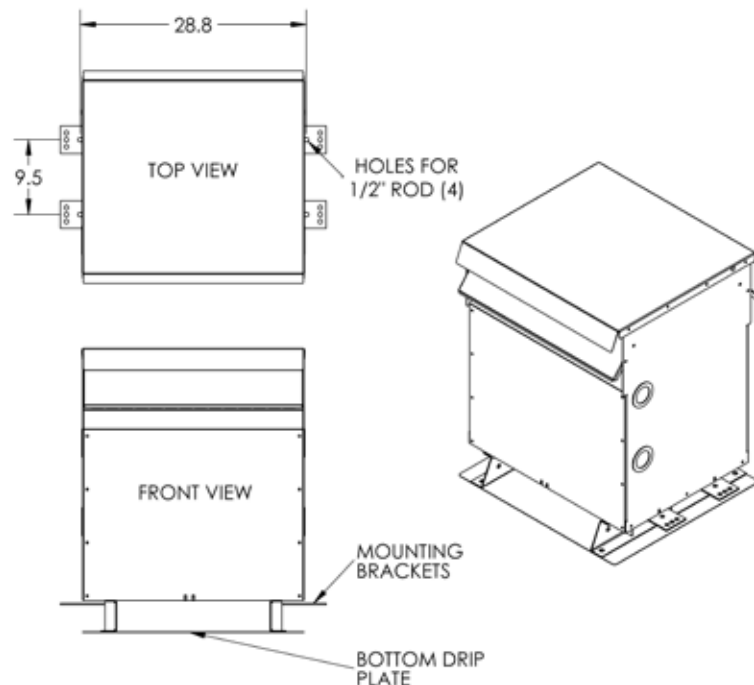
NW2, DW3 CEILING MOUNTING KIT DIMENSIONS

The following drawings detail the ceiling mounting dimensions required and method by which the NW2, DW3 kits are installed on the NH3, DH3 enclosures

NW2 Ceiling Mount - Mounting Dimensions for NH3 Enclosure



DW3 Ceiling Mount - Mounting Dimensions for DH3 Enclosures



Anti-Vibration Pad & Vibration Isolator Kits

ANTI-VIBRATION PAD AND VIBRATION ISOLATOR KITS

All standard transformers come with installed internal vibration absorbing pads to minimize noise during operation. Optional external “anti-vibration” pad and “vibration isolator” (for higher noise dampening) kits can be used to reduce operating noise even further. All are resistant to industrial contaminants like oil, acids and alkalines.

Anti-Vibration Pad Kits

Part No.	Case Style	Description
P1	NH Series	Set of four (4) rubber anti-vibration pads which replace the standard steel enclosure washers.
P2	NJ Series	
PD1	DH1-DH5	
PD2	DH6-DH8	



All anti-vibration pad kits and vibration isolator kits contain a set of four (4) pads or isolators. Therefore only one kit is required per transformer.

Vibration Isolator Kits

Part No.	Transformer Weight (Lb)	Description
NMP1	Up to 340 lbs	Set of four (4) molded neoprene and steel plate assemblies that virtually eliminate vibration noise between the transformer and the mounting surface.
NMP2	341 to 680 lbs	
NMP3	681 to 1040 lbs	
NMP4	1041 to 1740 lbs	
NMP5	1741 to 2330 lbs	
NMP6	2331 to 3450 lbs	
NMP7	3451 to 4690 lbs	



All anti-vibration pad kits and vibration isolator kits contain a set of four (4) pads or isolators. Therefore only one kit is required per transformer.



HPS Part No.	Part Description	Qty per Package
NH3001	NH3 Enclosure Top Panel	1
NH3002	NH3 Enclosure Left Side Panel	1
NH3003	NH3 Enclosure Right Side Panel	1
NH3004	NH3 Enclosure Back Panel	1
NH3006	NH3 Enclosure Drip-Shield	1
NH4001	NH4 Enclosure Top Panel	1
NH4002	NH4 Enclosure Left Side Panel	1
NH4003	NH4 Enclosure Right Side Panel	1
NH4004	NH4 Enclosure Back Panel	1
NH4006	NH4 Enclosure Drip-Shield	1
NH5001	NH5 Enclosure Top Panel	1
NH5002	NH5 Enclosure Left Side Panel	1
NH5003	NH5 Enclosure Right Side Panel	1
NH5005	NH5 Enclosure Back Panel	1
NH6001	NH6 Enclosure Top Panel	1
NH6002	NH6 Enclosure Left Side Panel	1
NH6003	NH6 Enclosure Right Side Panel	1
NH6005	NH6 Enclosure Back Panel	1

Minimum Order Size applies to enclosure spare parts.

*Due to technical and certification compliance reasons only selected enclosure parts are offered as spare parts (as per table). For front panel replacements please contact your HPS sales office.

Enclosure Spare Parts

HPS Part No.	Part Description	Qty per Package
DH1001	DH1 Enclosure Top Panel	1
DH1002	DH1 Enclosure Left Side Panel	1
DH1003	DH1 Enclosure Right Side Panel	1
DH2001	DH2 Enclosure Top Panel	1
DH2002	DH2 Enclosure Left Side Panel	1
DH2003	DH2 Enclosure Right Side Panel	1
DH3001	DH3 Enclosure Top Cover	1
DH3002	DH3 Enclosure Left Side Panel	1
DH3003	DH3 Enclosure Right Side Panel	1
DH3005	DH3 Enclosure Back Panel	1
DH3007	DH3 Enclosure Drip-Shield	1
DH4001	DH3 Enclosure Top Cover	1
DH4002	DH4 Enclosure Left Side Panel	1
DH4003	DH4 Enclosure Right Side Panel	1
DH4005	DH3 Enclosure Back Panel	1
DH4007	DH4 Enclosure Drip-Shield	1
DH5001	DH5 Enclosure Top Cover	1
DH5002	DH5 Enclosure Left Side Panel	1
DH5003	DH5 Enclosure Right Side Panel	1
DH5005	DH5 Enclosure Back Panel	1
DH5007	DH5 Drip-Shield	1
DH5008	DH5 Enclosure Jacking Angle - Front	1
DH5009	DH5 Enclosure Jacking Angle - Back	1

Touch-Up Paint

Please verify part number with HPS Customer Service to determine which shade of paint to use.

Monterrey Built Products: **PNTB10098**
 Canadian/Compton Built Products: **PNTB10099**

Minimum Order Size applies to enclosure spare parts.

*Due to technical and certification compliance reasons only selected enclosure parts are offered as spare parts (as per table). For front panel replacements please contact your HPS sales office.

Electrical Schematics & Connection Drawings

SCD 2

SCHEMATIC	CONNECTIONS				
	Primary Volts	Connect lines to	Inter-connect		
	504	440	218	H1, H2	1-2
	492	416	213	H1, H2	2-3
	480	400	208	H1, H2	3-4
	468	380	203	H1, H2	4-5
	456	220	198	H1, H2	5-6
	444	208	192	H1, H2	6-7
	432	200	187	H1, H2	7-8
	240	190		H1, H2	H1-2, H2-1
	228			H1, H2	H1-4, H2-3
	216			H1, H2	H1-6, H2-5
				H1, H2	H1-8, H2-7
	Secondary Volts	Connect lines to	Inter-connect		
	240	X1, X4	X2-X3		
	120	X1, X2	X2-X4, X1-X3		
120/240	X1, X2, X4	X2-X3			

SCD 7A

SCHEMATIC	CONNECTIONS											
	% Voltage	Primary Volts			Connect lines to	Inter-connect						
	105.0%	218	242	252	437	483	504	604	630	H1, H2, H3	1	
	100.0%	208	230	240	416	460	480	575	600	H1, H2, H3	2	
	95.0%	198	219	228	395	437	456	546	570	H1, H2, H3	3	
	Secondary Volts		Connect lines to									
	208	230	240	380	416	460	480	600		X1, X2, X3		
	120	133	139	220	240	265	277	347		X1, X0	X2, X0	X3, X0

SCD 7B

SCHEMATIC	CONNECTIONS											
	% Voltage	Primary Volts			Connect lines to	Inter-connect						
	100.0%	208	480			H1, H2, H3	1					
	95.0%	198	456			H1, H2, H3	2					
	90.0%	187	432			H1, H2, H3	3					
	Secondary Volts		Connect lines to									
	208	230	240	380	416	460	480	600		X1, X2, X3		
	120	133	139	220	240	265	277	347		X1, X0	X2, X0	X3, X0

SCD 8

SCHEMATIC	CONNECTIONS													
	% Voltage	Primary Volts			Connect lines to	Inter-connect								
	105.0%	218	242	252	437	483	504	604	630	2520	4368	H1, H2, H3	1-2	
	100.0%	208	230	240	416	460	480	575	600	2400	4160	H1, H2, H3	2-3	
	95.0%	198	219	228	395	437	456	546	570	2280	3952	H1, H2, H3	3-4	
	Secondary Volts		Connect lines to											
	208	230	240	380	416	460	480	600				X1, X2, X3		
	120	133	139	220	240	265	277	347				X1, X0	X2, X0	X3, X0

Tap arrangements shown are for catalog products only. May not be applicable for other products.

Electrical Schematics & Connection Drawings

SCD 10

SCHEMATIC		CONNECTIONS											
	% Voltage	Primary Volts						Connect lines to	Inter-connect				
	105.0%	218	242	252	437	483	504	604	630	2520	4368	H1, H2, H3	1-2
	102.5%	213	236	246	426	472	492	589	615	2460	4264	H1, H2, H3	2-3
	100.0%	208	230	240	416	460	480	575	600	2400	4160	H1, H2, H3	3-4
	97.5%	203	224	234	406	449	468	561	585	2340	4056	H1, H2, H3	4-5
	95.0%	198	219	228	395	437	456	546	570	2280	3952	H1, H2, H3	5-6
Secondary Volts						Connect lines to							
208 380 416 480 600						X1, X2, X3							
120 220 240 277 347						X1, X0 X2,X0 X3,X0							

SCD 17

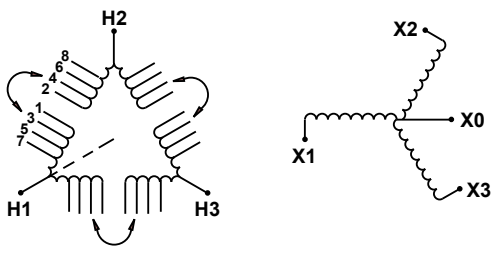
SCHEMATIC		CONNECTIONS			
	% Voltage	Primary Volts	Connect lines to	Inter-connect	
	105.0%	252	H1, H4	1-H2, 2-H3, H1-H3, H2-H4	
	100.0%	240	H1, H4	3-H2, 4-H3, H1-H3, H2-H4	
	95.0%	228	H1, H4	5-H2, 6-H3, H1-H3, H2-H4	
	90.0%	216	H1, H4	7-H2, 8-H3, H1-H3 H2-H4	
	105.0%	504	H1, H4	1-H2, 2-H3, H2-H3	
	102.5%	492	H1, H4	3-H2, 2-H3, H2-H3	
	100.0%	480	H1, H4	3-H2, 4-H3, H2-H3	
	97.5%	468	H1, H4	5-H2, 4-H3, H2-H3	
	95.0%	456	H1, H4	5-H2, 6-H3, H2-H3	
92.5%	444	H1, H4	7-H2, 6-H3, H2-H3		
90.0%	432	H1, H4	7-H2, 8-H3, H2-H3		
Secondary Volts		Connect lines to	Inter-connect		
240		X1, X4	X2-X3		
120		X1, X2	X2-X4, X1-X3		
120/240		X1, X2, X4	X2-X3		

SCD 19

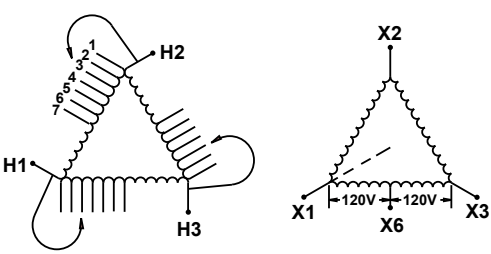
SCHEMATIC		CONNECTIONS					
	% Voltage	Primary Volts			Connect lines to	Inter-connect	
	105.0%	218	252	504	630	H1, H2, H3	1-2
	102.5%	213	246	492	615	H1, H2, H3	2-3
	100.0%	208	240	480	600	H1, H2, H3	3-4
	97.5%	203	234	468	585	H1, H2, H3	4-5
	95.0%	198	228	456	570	H1, H2, H3	5-6
	92.5%	193	222	444	556	H1, H2, H3	6-7
	90.0%	188	216	432	542	H1, H2, H3	7-8
	Secondary Volts			Connect lines to			
208 480			X1, X2, X3				
120 277			X1, X0 X2, X0 X3, X0				

Tap arrangements shown are for catalog products only. May not be applicable for other products.

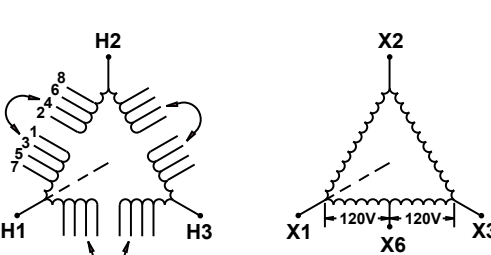
SCD 20

SCHEMATIC	CONNECTIONS					
	% Voltage	Primary Volts		Connect lines to	Inter-connect	
	105.0%	218	504	630	H1, H2, H3	1-2
	102.5%	213	492	615	H1, H2, H3	2-3
	100.0%	208	480	600	H1, H2, H3	3-4
	97.5%	203	468	585	H1, H2, H3	4-5
	95.0%	198	456	570	H1, H2, H3	5-6
	92.5%	193	444	556	H1, H2, H3	6-7
	90.0%	188	432	542	H1, H2, H3	7-8
		Secondary Volts		Connect lines to		
		208	480	X1, X2, X3		
		120	277	X1, X0	X2, X0 X3, X0	

SCD 21

SCHEMATIC	CONNECTIONS				
	% Voltage	Primary Volts		Connect lines to	Inter-connect
	105.0%	504		H1, H2, H3	1
	102.5%	492		H1, H2, H3	2
	100.0%	480		H1, H2, H3	3
	97.5%	468		H1, H2, H3	4
	95.0%	456		H1, H2, H3	5
	92.5%	444		H1, H2, H3	6
	90.0%	432		H1, H2, H3	7
		Secondary Volts		Connect lines to	
		240		X1, X2, X3	
		120		X1, X6	X3, X6

SCD 22

SCHEMATIC	CONNECTIONS				
	% Voltage	Primary Volts		Connect lines to	Inter-connect
	105.0%	504		H1, H2, H3	1-2
	102.5%	492		H1, H2, H3	2-3
	100.0%	480		H1, H2, H3	3-4
	97.5%	468		H1, H2, H3	4-5
	95.0%	456		H1, H2, H3	5-6
	92.5%	444		H1, H2, H3	6-7
	90.0%	432		H1, H2, H3	7-8
		Secondary Volts		Connect lines to	
		240		X1, X2, X3	
		120		X1, X6	X3, X6

Tap arrangements shown are for catalog products only. May not be applicable for other products.

Electrical Schematics & Connection Drawings

SCD 23A

SCHEMATIC		CONNECTIONS				
	% Voltage		Primary Volts		Connect lines to	Inter-connect
	105.0%	218	252		X1, X2, X3	1-2
	100.0%	208	240		X1, X2, X3	2-3
	95.0%	198	228		X1, X2, X3	3-4
	Secondary Volts		Connect lines to			
480		H1, H2, H3				
277		H1, H0 H2, H0 H3, H0				

SCD 23B

SCHEMATIC		CONNECTIONS				
	% Voltage		Primary Volts		Connect lines to	Inter-connect
	100.0%	208	240		X1, X2, X3	1-2
	95.0%	198	228		X1, X2, X3	2-3
	90.0%	188	216		X1, X2, X3	3-4
	Secondary Volts		Connect lines to			
230 260 460 480		H1, H2, H3				
133 139 265 277		H1, H0 H2, H0 H3, H0				

SCD 29

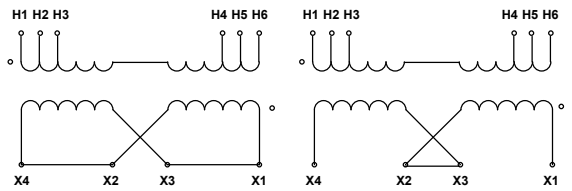
SCHEMATIC		CONNECTIONS				
	% Voltage		Primary Volts		Connect lines to	Inter-connect
	105.0%	630	504		H1, H2, H3	1-2
	102.5%	615	492		H1, H2, H3	2-3
	100.0%	600	480		H1, H2, H3	3-4
	97.5%	585	468		H1, H2, H3	4-5
	95.0%	570	456		H1, H2, H3	5-6
Secondary Volts		Connect lines to				
240		X1, X2, X3				

SCD 30

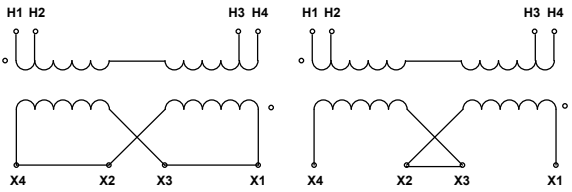
SCHEMATIC		CONNECTIONS			
	Primary Volts		Connect lines to		Inter-connect
	440		H1, H4		1-H2, 2-H3, H2-H3
	416		H1, H4		3-H2, 4-H3, H2-H3
	400		H1, H4		5-H2, 6-H3, H2-H3
	380		H1, H4		7-H2, 8-H3, H2-H3
	220		H1, H4		1-H2, 2-H3, H1-H3, H2-H4
	208		H1, H4		3-H2, 4-H3, H1-H3, H2-H4
	200		H1, H4		5-H2, 6-H3, H1-H3, H2-H4
	190		H1, H4		7-H2, 8-H3, H1-H3, H2-H4
	Secondary Volts		Connect lines to		Inter-connect
240		X1, X4		X2-X3	
120		X1, X2		X2-X4, X1-X3	
120/240		X1, X2, X4		X2-X3	

Tap arrangements shown are for catalog products only. May not be applicable for other products.

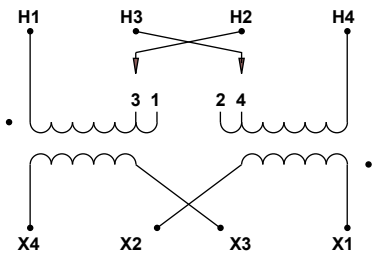
SCD 31

SCHEMATIC	CONNECTIONS					
	% Voltage	Primary Volts		Connect lines to	Inter-connect	
	105.0%	218	291	437 504 630	H1, H6	-
	102.5%	213	284	423 492 615	H1, H5	-
	100.0%	208	277	416 480 600	H2, H5	-
	97.5%	203	270	406 468 585	H2, H4	-
	95.0%	198	263	395 456 570	H3, H4	-
	Secondary Volts		Connect lines to	Inter-connect		
	240		X1, X4	X2-X3		
	120/240		X1, X2, X4	X2-X3		
	120		X1, X2	X2-X4, X1-X3		

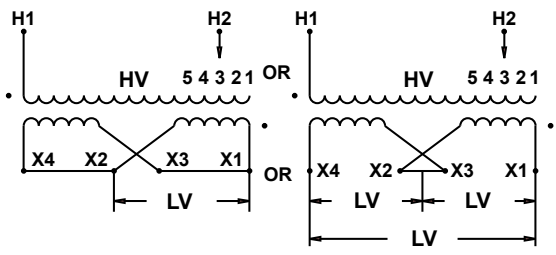
SCD 32

SCHEMATIC	CONNECTIONS					
	% Voltage	Primary Volts		Connect lines to	Inter-connect	
	100.0%	208	277	416 480 600	H1, H4	-
	95.0%	198	263	395 456 570	H1, H3	-
	90.0%	188	249	374 432 540	H2, H3	-
		Secondary Volts		Connect lines to	Inter-connect	
		240		X1, X4	X2-X3	
	120/240		X1, X2, X4	X2-X3		
	120		X1, X2	X2-X4, X1-X3		

SCD 34

SCHEMATIC	CONNECTIONS					
	% Voltage	Primary Volts		Connect lines to	Inter-connect	
	100.0%	240		H1, H4	1-H2, 2-H3, H1-H3, H2-H4	
	90.0%	216		H1, H4	3-H2, 4-H3, H1-H3, H2-H4	
	100.0%	480		H1, H4	1-H2, 2-H3, H2-H3	
	95.0%	456		H1, H4	2-H3, 3-H2, H2-H3	
	90.0%	432		H1, H4	3-H2, 4-H3, H2-H3	
		Secondary Volts		Connect lines to	Inter-connect	
		240		X1, X4	X2-X3	
	120/240		X1, X2, X4	X2-X3		
	120		X1, X2	X2-X4, X1-X3		

SCD 39

SCHEMATIC	CONNECTIONS					
	% Voltage	Primary Volts		Connect lines to	Inter-connect	
	105.0%	218	291	437 504 630	H1, H2	1
	102.5%	213	284	426 492 615	H1, H2	2
	100.0%	208	277	416 480 600	H1, H2	3
	97.5%	203	270	406 468 585	H1, H2	4
	95.0%	198	263	395 456 570	H1, H2	5
		Secondary Volts		Connect lines to	Inter-connect	
	240		X1, X4	X2-X3		
	120/240		X1, X2, X4	X2-X3		
	120		X1, X2	X2-X4, X1-X3		

Tap arrangements shown are for catalog products only. May not be applicable for other products.

Electrical Schematics & Connection Drawings

SCD 52

SCHEMATIC	CONNECTIONS			
	% Voltage	Primary Volts	Connect lines to	Inter-connect
	105.0%	504	H1, H2, H3	1
	102.5%	492	H1, H2, H3	2
	100.0%	480	H1, H2, H3	3
	97.5%	468	H1, H2, H3	4
	95.0%	456	H1, H2, H3	5
	92.5%	444	H1, H2, H3	6
	90.0%	432	H1, H2, H3	7
	Secondary Volts		Connect lines to	Inter-connect
	107.5%	430	A	X1, X2, X3
	104.0%	416	B	X1, X2, X3
	100.0%	400	C	X1, X2, X3
	95.0%	380	D	X1, X2, X3
		248	A	X1,X0 X2,X0 X3,X0
		240	B	X1,X0 X2,X0 X3,X0
		231	C	X1,X0 X2,X0 X3,X0
	219	D	X1,X0 X2,X0 X3,X0	

SCD 53

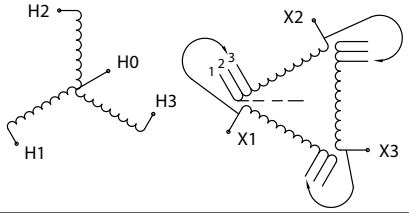
SCHEMATIC	CONNECTIONS			
	% Voltage	Primary Volts	Connect lines to	Inter-connect
	105.0%	218 252	X1, X2, X3	1
	102.5%	213 246	X1, X2, X3	2
	100.0%	208 240	X1, X2, X3	3
	97.5%	203 234	X1, X2, X3	4
	95.0%	198 228	X1, X2, X3	5
	92.5%	192 222	X1, X2, X3	6
	90.0%	187 216	X1, X2, X3	7
	Secondary Volts		Connect lines to	
		480	H1, H2, H3	
		277	H1,H0 H2,H0 H3,H0	

SCD 54

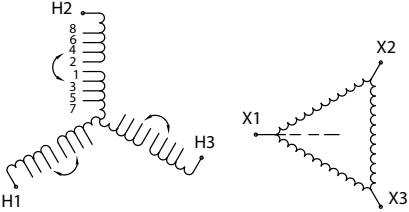
SCHEMATIC	CONNECTIONS			
	% Voltage	Primary Volts	Connect lines to	Inter-connect
	105.0%	630	H1, H2, H3	1
	102.5%	615	H1, H2, H3	2
	100.0%	600	H1, H2, H3	3
	97.5%	585	H1, H2, H3	4
	95.0%	570	H1, H2, H3	5
	92.5%	555	H1, H2, H3	6
	90.0%	540	H1, H2, H3	7
	Secondary Volts		Connect lines to	
	240	X1, X2, X3		

Tap arrangements shown are for catalog products only. May not be applicable for other products.

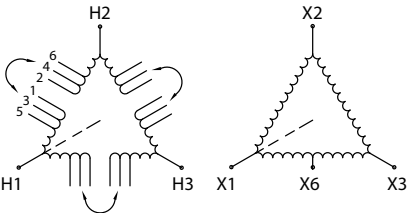
SCD 56

SCHEMATIC	CONNECTIONS				
	% Voltage	Primary Volts		Connect lines to	Inter-connect
	105.0%	218	252	X1, X2, X3	1
	100.0%	208	240	X1, X2, X3	2
	95.0%	198	228	X1, X2, X3	3
	Secondary Volts		Connect lines to		
	480	H1, H2, H3			
	277	H1,H0 H2,H0 H3,H0			

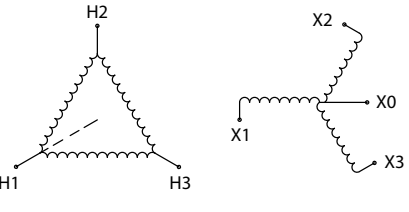
SCD 58

SCHEMATIC	CONNECTIONS				
	% Voltage	Primary Volts		Connect lines to	Inter-connect
	105.0%	630		H1, H2, H3	1-2
	102.5%	615		H1, H2, H3	2-3
	100.0%	600		H1, H2, H3	3-4
	97.5%	585		H1, H2, H3	4-5
	95.0%	570		H1, H2, H3	5-6
	92.5%	555		H1, H2, H3	6-7
	90.0%	540		H1, H2, H3	7-8
Secondary Volts		Connect lines to			
	240	X1, X2, X3			

SCD 59

SCHEMATIC	CONNECTIONS				
	% Voltage	Primary Volts		Connect lines to	Inter-connect
	105.0%	504		H1, H2, H3	1-2
	102.5%	492		H1, H2, H3	2-3
	100.0%	480		H1, H2, H3	3-4
	97.5%	468		H1, H2, H3	4-5
	95.0%	456		H1, H2, H3	5-6
Secondary Volts		Connect lines to			
	240	X1, X2, X3			
	120	X1,X6 X3,X6			

SCD 60

SCHEMATIC	CONNECTIONS					
	% Voltage	Primary Volts		Connect lines to	Inter-connect	
	100.0%	208	240	H1, H2, H3		
	Secondary Volts		Connect lines to			
		208	X1, X2, X3			
	120	X1,X0 X2,X0 X3,X0				

Tap arrangements shown are for catalog products only. May not be applicable for other products.

Electrical Schematics & Connection Drawings

SCD 61

SCHEMATIC	CONNECTIONS				
	% Voltage	Primary Volts		Connect lines to	Inter-connect
	100.0%	208	240	X1, X2, X3	
	Secondary Volts		Connect lines to		
	208	H1, H2, H3			
	277	H1,H0 H2,H0 H3,H0			

SCD 62

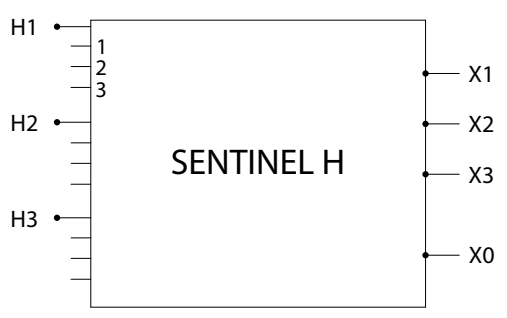
SCHEMATIC	CONNECTIONS				
	% Voltage	Primary Volts		Connect lines to	Inter-connect
	105.0%	630	504	H1, H2, H3	1
	102.5%	615	492	H1, H2, H3	2
	100.0%	600	480	H1, H2, H3	3
	97.5%	585	468	H1, H2, H3	4
	95.0%	570	456	H1, H2, H3	5
	92.5%	555	444	H1, H2, H3	6
	90.0%	540	432	H1, H2, H3	7
Secondary Volts		Connect lines to			
600	480	208	X1, X2, X3		
346	277	120	X0-X1, X0-X2, X0-X3		

SCD 63

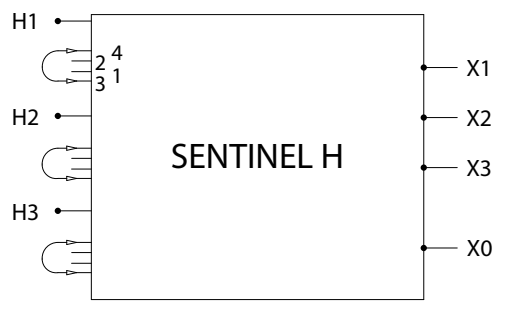
SCHEMATIC	CONNECTIONS				
	% Voltage	Primary Volts		Connect lines to	Inter-connect
	105.0%	630	504	H1, H2, H3	1-2
	102.5%	615	492	H1, H2, H3	2-3
	100.0%	600	480	H1, H2, H3	3-4
	97.5%	585	468	H1, H2, H3	4-5
	95.0%	570	456	H1, H2, H3	5-6
	92.5%	555	444	H1, H2, H3	6-7
	90.0%	540	432	H1, H2, H3	7-8
Secondary Volts		Connect lines to			
600	480	208	X1, X2, X3		
346	277	120	X0-X1, X0-X2, X0-X3		

Tap arrangements shown are for catalog products only. May not be applicable for other products.

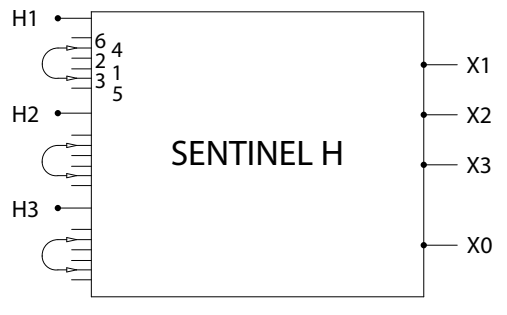
SCD 64

SCHEMATIC		CONNECTIONS			
	% Voltage	Primary Volts		Connect lines to	Inter-connect
	104.2%	625	500	1	H1, H2, H3
	100.0%	600	480	2	H1, H2, H3
	95.8%	575	468	3	H1, H2, H3
		Secondary Volts		Connect lines to	
		600	480	208	X1, X2, X3
		346	277	120	X0-X1, X0-X2, X0-X3

SCD 65

SCHEMATIC		CONNECTIONS			
	% Voltage	Primary Volts		Connect lines to	Inter-connect
	106.2%	637	510	1-2	H1, H2, H3
	100.0%	600	480	2-3	H1, H2, H3
	93.8%	563	450	3-4	H1, H2, H3
		Secondary Volts		Connect lines to	
		600	480	208	X1, X2, X3
		346	277	120	X0-X1, X0-X2, X0-X3

SCD 66

SCHEMATIC		CONNECTIONS			
	% Voltage	Primary Volts		Connect lines to	Inter-connect
	107.0%	642	514	1-2	H1, H2, H3
	103.5%	621	497	2-3	H1, H2, H3
	100.0%	600	480	3-4	H1, H2, H3
	96.5%	579	463	4-5	H1, H2, H3
93.0%	558	446	5-6	H1, H2, H3	
		Secondary Volts		Connect lines to	
		600	480	208	X1, X2, X3
		346	277	120	X0-X1, X0-X2, X0-X3

Electrical Schematics & Connection Drawings

SCD 67

SCHEMATIC		CONNECTIONS			
<p>The schematic shows a transformer labeled 'SENTINEL H' with five taps on the left side, numbered 1 to 5. Tap 1 is connected to H1, tap 2 to H2, and tap 3 to H3. On the right side, there are four connection points labeled X1, X2, X3, and X0.</p>	% Voltage	Primary Volts		Connect lines to	Inter-connect
	107.0%	630	504	1	H1, H2, H3
	103.5%	615	492	2	H1, H2, H3
	100.0%	600	480	3	H1, H2, H3
	96.5%	585	468	4	H1, H2, H3
93.0%	570	456	5	H1, H2, H3	
		Secondary Volts		Connect lines to	
		600	480	208	X1, X2, X3
		346	277	120	X0-X1, X0-X2, X0-X3

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