



## Transforming Electrical Systems for Multi-Unit Apartment Buildings

Delta HexaVolt is designed to simplify and improve electrical systems in multi-unit apartment buildings. By combining three single-phase transformers into one efficient unit, this innovative solution cuts down on installation time, saves space, and enhances energy efficiency.

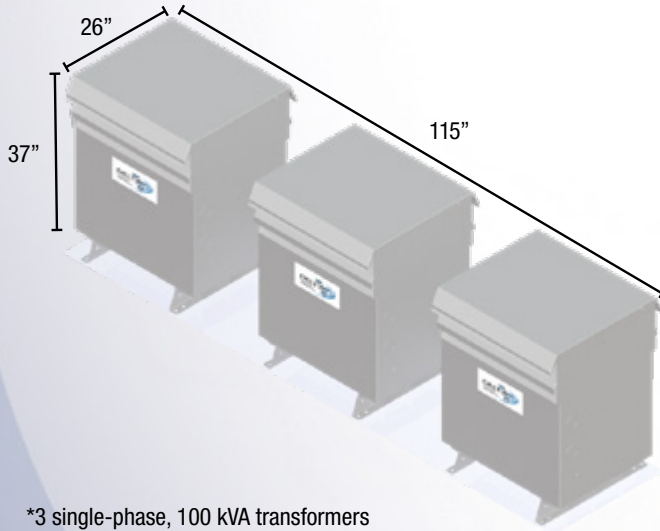


## Traditional Setup vs. Delta HexaVolt Solution

Single-phase transformers are commonly used to power multi-unit residential buildings. Typically, this set-up involves three transformers, multiple anchors, three switches, and numerous bulky cables, cluttering often cramped electrical rooms.

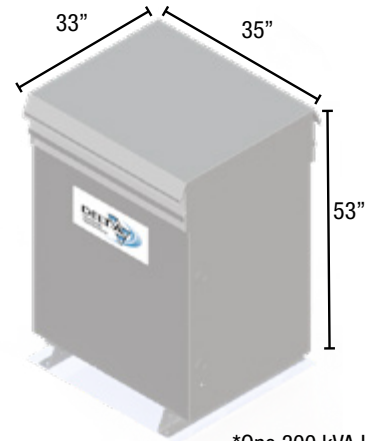
The HexaVolt transformer simplifies this set-up with a compact, all-in-one solution that includes one three-phase transformer, three single-phase outputs and requires only four anchors, and one switch.

### Traditional installation\*



\*3 single-phase, 100 kVA transformers with 12 inch spacing in between

### Simplified solution\*



\*One 300 kVA HexaVolt transformer

## Key Benefits



# 38 %

LESS SURFACE AREA\*

The compact design minimizes space and reduces heat rejection, making it easier to fit within electrical room constraints.



# 20 %

ENERGY SAVINGS\*

Operating on a three-phase system, this transformer is more efficient than 3 single-phase systems used at full load, leading to lower energy consumption and cost savings over time.



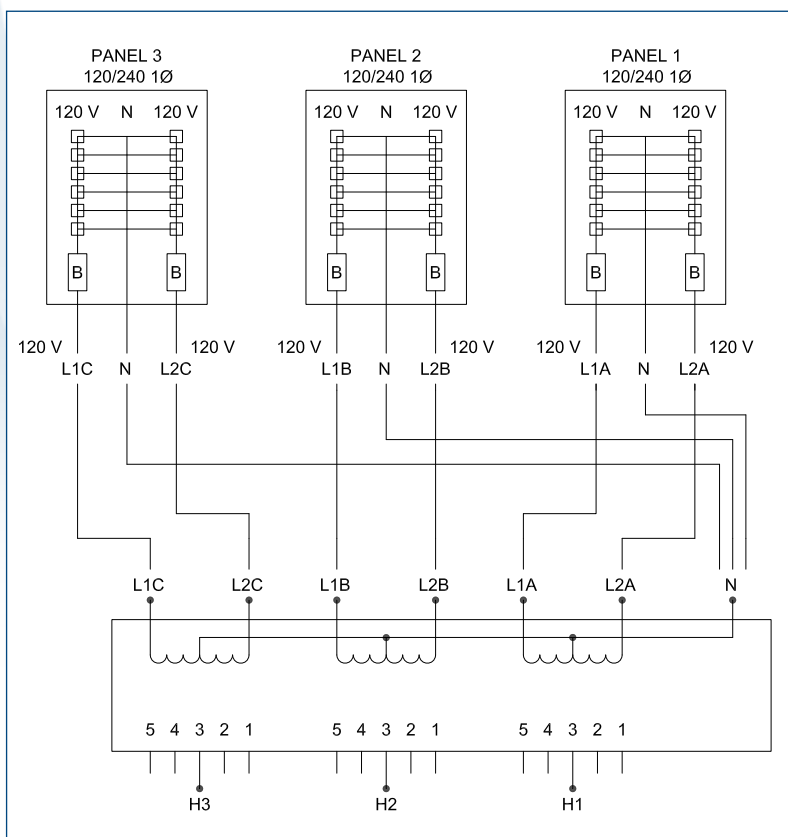
# 66 %

LESS INSTALLATION TIME\*

With just one transformer to install, the process requires less time and fewer materials, reducing overall installation costs.

\*When compared to three single-phase transformers.

## Wiring Diagram



Catalog number	kVA	Primary Voltage	Secondary Voltage	Dimensions inches	Weight
CD6A0150 S028414	150	144A	208A x 6 @ 120V, 208A x 3 @ 240	46"H x 31,26"W x 29,22"L	955 lb
CD6A0225 S028415	225	217A	312A x 6 @ 120V, 312A x 3 @ 240	53"H x 36,76"W x 33,47"L	1530 lb
CD6A0300 S028416	300	289A	416A x 6 @ 120V, 416A x 3 @ 240	53"H x 36,76"W x 33,47"L	1995 lb
CD6A0450 S028417	450	433A	625A x 6 @ 120V, 625A x 3 @ 240	64"H x 49,03"W x 41,53"L	2760 lb
CD6A0600 S028418	600	577A	833A x 6 @ 120V, 833A x 3 @ 240	64"H x 49,03"W x 41,53"L	3995 lb

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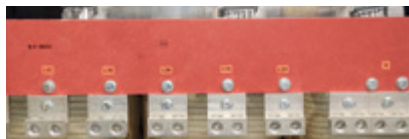


# Delta HexaVolt

## Pre-installed features make installation easy



Offset outward facing floor installation holes for easy power tool access



Pre-installed secondary lugs with tripled neutral



Conduit Knock-Outs



Bottom cable entry



Standard Type 3R enclosure with integrated drip shield



Internal vibration isolation pads

## Standard specifications

kVA	150, 225, 300, 450, 600
Frequency	60 Hz
Phase	Delta connected primary. Secondary winding shall be wye connected with neutral conductor center-tapped on each phase providing 120V line-neutral and 240V and 208V phase to phase. Two full capacity 2.5% adjustment taps, 2 below (FCBN) and 2 above (FCAN).
Winding Material	Aluminium
Insulation System	220°C Insulation Class. 150°C Temperature rise
BIL Rating	10 kV BIL
Enclosure Type	Ventilated, Type 3R sprinkler-proof enclosure
Impregnation Process	The impregnation process for the core-and-coil assembly shall include a period under vacuum, followed by pressure impregnation using epoxy resin (EVI process)
Enclosure Finish	Grey finish ANSI-61
Neutral	3 or 6 lugs (varies by kVA)
Conduit Entry	2 knock-outs on each side
Impedance	Standard Impedance
Mounting	Floor mount only
Sound Level	Max. 50dB up to 150 kVA, 55 dB from 225 kVA to 300 kVA and 60 dB at 450 kVA and 62dB at 600 kVA Anti-vibration pads used between the core and the enclosure
Efficiency	Complies with Canadian standards - SOR/2018-201 (NRCAN 2019), Ontario Regulation 404/12 and Quebec: O.C./DECRET/1394-2018
Certification	CSA certified
Warranty	10 year warranty with standard limited liability clause