

HPS Express™

Energy Efficient Commercial Distribution Transformer



The new HPS Express™ G series of energy efficient low voltage distribution transformers offer an ideal combination of features, quality, reliability and performance to provide the most cost effective solution for your commercial applications.

Typical Applications

The new HPS Express G is best suited to satisfy the needs of typical electrical power distribution applications including:



Lighting



Small Power Distribution



HVAC



Shopping Plazas



Office Towers



Residential High-Rise



Commercial Buildings



Big Box Stores

Energy Efficiency

This product line meets or exceeds the latest energy efficiency requirements prescribed by the Natural Resources Canada (NRCan), and the Ontario Green Energy Act.

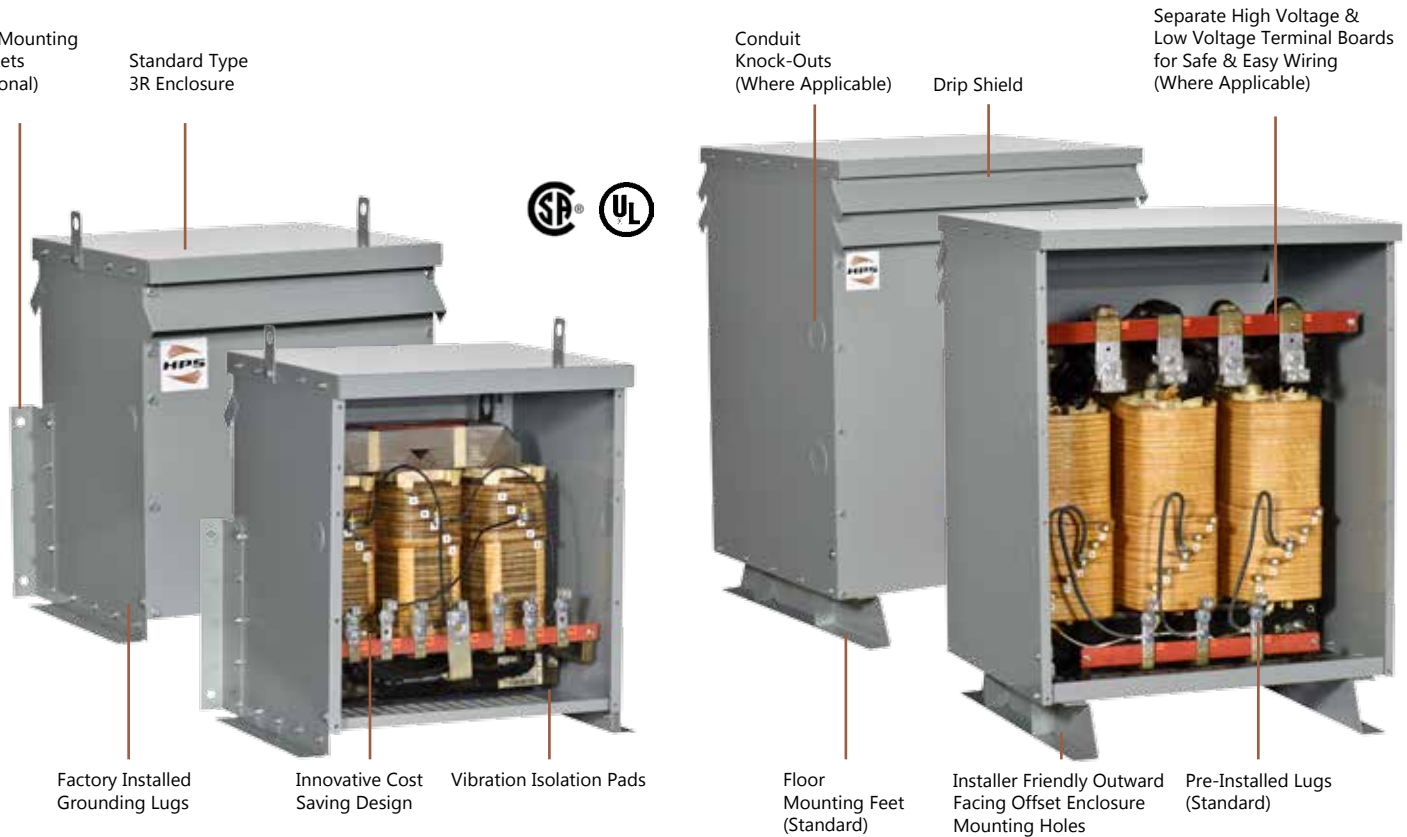
Single Phase		Three Phase	
kVA	Efficiency (%)	kVA	Efficiency (%)
15	97.70	15	97.89
25	98.00	30	98.23
37.5	98.20	45	98.40
50	98.30	75	98.60
75	98.50	112.5	98.74
100	98.60	150	98.83
167	98.70	225	98.94
250	98.80	300	99.02
333	98.90	500	99.14
		750	99.23
		1000	99.28

Note: All efficiency values are at 35% of nominal load.

Benefits

- Significant energy savings combined with positive environmental impact
- Higher efficiency = \$ savings:
 - Increased profitability due to low operating costs
 - Decreased cost of ownership over the lifetime of the transformer
 - Less air conditioning cost due to lower heat emissions
- Product available from stock in standard voltage and kVA sizes including 250kVA in single phase and 450kVA in three phase
- Standard type 3R enclosures
- Dual CSA and UL certification
- Industry leading design and technology solutions
- Unmatched HPS quality and reliability

Installation made fast and easy!



Specifications - Copper or Aluminum

kVA:	15-250kVA single phase; 15-450kVA three phase
UL Listed:	File: E112313
CSA Certified:	File: LR3902
Frequency:	60 Hz
Insulation System:	220°C (150°C rise)
Enclosure Type:	Heavy duty ventilated Type 3R standard
Enclosure Finish:	ANSI 61 Grey, UL50
Neutral:	Neutral terminal for field connection (on applicable units)
Standard Primary Taps:	Refer to wiring diagrams for details

Termination:	Front accessible high and low voltage terminals; lugs provided standard; connectors suitable for aluminum and copper are provided for easy cable installation.
Conduit Entry:	Side knock-outs provided where applicable
Impedance:	Typically 3% to 6.5%
Mounting:	Floor mounting standard/wall mounting optional. Refer to selection tables for details.
Sound Level:	Meets NEMA ST-20 standards
Warranty:	1 year

Selection Tables

HPS Express G
Three Phase



ALUMINUM WOUND, THREE PHASE



480D 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	EG3A0015KB	CN1	20.10	17.50	17.60	165	F or W*	SCD 3E
30	EG3A0030KB	CN2	22.10	18.20	23.60	285	F or W*	SCD 3E
45	EG3A0045KB	CN3	24.90	19.40	25.60	345	F or W*	SCD 3E
75	EG3A0075KB	CN4	26.30	23.30	31.10	540	F	SCD 3E
112.5	EG3A0112KB	CN5	29.00	26.50	39.10	750	F	SCD 3E
150	EG3A0150KB	CN5	29.00	26.50	39.10	885	F	SCD 3E
225	EG3A0225KB	CN6	37.80	30.00	48.40	1500	F	SCD 3E
300	EG3A0300KB	CN6	37.80	30.00	48.40	1750	F	SCD 3E

600D 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	EG3A0015PB	CN1	20.10	17.50	17.60	165	F or W*	SCD 3E
30	EG3A0030PB	CN2	22.10	18.20	23.60	285	F or W*	SCD 3E
45	EG3A0045PB	CN3	24.90	19.40	25.60	345	F or W*	SCD 3E
75	EG3A0075PB	CN4	26.30	23.30	31.10	540	F	SCD 3E
112.5	EG3A0112PB	CN5	29.00	26.50	39.10	750	F	SCD 3E
150	EG3A0150PB	CN5	29.00	26.50	39.10	885	F	SCD 3E
225	EG3A0225PB	CN6	37.80	30.00	48.40	1500	F	SCD 3E
300	EG3A0300PB	CN6	37.80	30.00	48.40	1750	F	SCD 3E
450	EG3A0450PB	CN7	41.80	36.00	56.10	2400	F	SCD 4E

COPPER WOUND, THREE PHASE



480D 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	EG3A0015KBC	CN1	20.10	17.50	17.60	185	F or W*	SCD 3E
30	EG3A0030KBC	CN2	22.10	18.20	23.60	300	F or W*	SCD 3E
45	EG3A0045KBC	CN3	24.90	19.40	25.60	390	F or W*	SCD 3E
75	EG3A0075KBC	CN4	26.30	23.30	31.10	635	F	SCD 3E
112.5	EG3A0112KBC	CN5	29.00	26.50	39.10	815	F	SCD 3E
150	EG3A0150KBC	CN5	29.00	26.50	39.10	980	F	SCD 3E
225	EG3A0225KBC	CN6	37.80	30.00	48.40	1600	F	SCD 3E
300	EG3A0300KBC	CN6	37.80	30.00	48.40	1850	F	SCD 3E

600D 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	EG3A0015PBC	CN1	20.10	17.50	17.60	185	F or W*	SCD 3E
30	EG3A0030PBC	CN2	22.10	18.20	23.60	300	F or W*	SCD 3E
45	EG3A0045PBC	CN3	24.90	19.40	25.60	390	F or W*	SCD 3E
75	EG3A0075PBC	CN4	26.30	23.30	31.10	635	F	SCD 3E
112.5	EG3A0112PBC	CN5	29.00	26.50	39.10	815	F	SCD 3E
150	EG3A0150PBC	CN5	29.00	26.50	39.10	980	F	SCD 3E
225	EG3A0225PBC	CN6	37.80	30.00	48.40	1600	F	SCD 3E
300	EG3A0300PBC	CN6	37.80	30.00	48.40	1850	F	SCD 3E
450	EG3A0450PBC	CN7	41.80	36.00	56.10	3000	F	SCD 4E