DELTA
TRANSFORMATEURS
TRANSFORMERS

General Purpose Transformers

Standard and Flex Series

Technical expertise
with a human touch

Proven Reliability, Flexible Solutions

Delta General Purpose transformers deliver energy efficient solutions to meet the demands of commercial, institutional, and industrial applications. Our portfolio offers two General Purpose solutions each engineered for performance durability and installation flexibility:

Low Voltage General Purpose: Standard solution for broad applications such as commercial facilities.

Low Voltage Distribution Flex Series: Utlizes an EVI insulation process, providing enhanced impregnation properties and added features.

Features

Built for Reliability and Performance

Warranty: We stand behind our general purpose products with a **10 year warranty**, providing you with peace of mind.

Durable: Standard Type 3R enclosure, suitable for indoor and outdoor installation.

Compliance: Low Voltage General purpose are UL/CSA compliant. Flex Series meet CSA standards.

Simplified Installation

Time and Money Savings: No longer spend extra money on labour and materials to install optional transformer features - these come pre-installed and part of our regular offering.

Environmental & Local Manufacturing

Energy Savings: Designed and manufactured to comply with the latest NRCan 2019 and DOE 2016 energy efficiency requirements providing significant energy savings and positive environmental/societal impact.

Local Manufacturing: All Delta General Purpose transformers are made in North America with the Flex Series proudly built in Canada.

Designed for Easier Installation & Superior Performance

Features	Standard Series	Flex Series
Separate High Voltage & Low Voltage Terminal Boards for Safe & Easy Cabling	X	X
Factory Pre-Installed Lugs*	X	X
Factory Installed Grounding Lugs	X	X
Installer Friendly Outward Facing Offset Enclosure Mounting Holes	X	X
Expanded Neutral Bar For Easier Multiple Neutral Connections*	X	X
Standard Knock-Outs for Fast Conduit Connections	X	X
Integrated Wall Mounting brackets (on select kVA's)	X	X
EVI impregnation Process for maximum Insulation	-	X
Lower Temperature Rise Providing Improved Efficiency and Life Expectancy	-	X
Customized Options such as Impedance, Enclosure, Colour	-	X
K-Factor Options	-	X
Made in Canada	-	X

** on selected units, see drawings*

Specifications

	Standard Series	Flex Series
Warranty	10 Years	10 Years
kVA	1 phase 15 to 250 - 3 phase 15 to 450	1 phase 3 to 333 - 3 phase 6 to 1000
Frequency	60 Hz	60 Hz, optional 50/60Hz
Phase	1 and 3	1 and 3
Winding Material	Copper and Aluminum	Copper and Aluminum
Efficiency	Meets NRCan 2019 & DOE 2016	Meets NRCan 2019 & DOE 2016
Enclosure Type	Heavy duty ventilated Type 3R - Grey finish ANSI-61	Heavy duty ventilated Type 3R - Grey finish ANSI-61. Optional: Stainless Steel, Type 4, Custom Colours
Impregnation Process	Poly vacuum	**EVI** Epoxy Vacuum Impregnation
Temperature rise	150°C	150°C, Optional 130°C, 115°C & 80°C
K-Factor	-	Optional
Knock-outs	Included*	Included*
Certification	UL Listed, CSA certified, Seismically qualified according to the International Building Code (IBC) 2018, and the American Society of Civil Engineers ASCE 7-16 specifications	CSA certified
10kV BIL	Yes	Yes
Sound Level	Meets NEMA ST-20 Standards	Meets NEMA ST-20 Standards (optional low noise units available)
Insulation System	220°C	220°C
Options	None	Voltage, Impedance, IR Windows, Colours, Custom Requests, etc. See full list below.

** on selected units, see drawings*

FLEX SERIES

Our Low Voltage Distribution Flex Series delivers the proven performance, flexibility, and features your projects demand.

Designed for customers who need more than standard solutions, it offers a wide range of customizable options, including K-factor, optimized heat dissipation, noise reduction, custom colors, and more.

Built locally by our expert teams, our Flex Series adapts seamlessly to your specific application, helping you achieve optimal performance, faster project execution, and a solution perfectly tailored to your needs.

Optional Accessories:

- Thermal sensing & indication
- Thermocouples
- Thermometers (analog/digital)
- Thermostat alarm / trip (N.O. /N.C. contacts)
- Electrostatic shield
- Rated to handle current harmonics [K4] [K9] [K13]
- Strip heater (space heater to prevent condensation)
- Surge protection devices
- Rodent Kit
- Type 3R or 4X available in stainless steel
- Optional infrared windows
- Grounding Kit
- Type 3R enhanced with internal filters to prevent ingress of rain and snow

**data subject to change without notice*

Catalogue Structure - Standard Series

Family Type	Winding	Phase	kVA				Primary Voltage	Secondary Voltage	Multiple
G	A	2	0	0	1	5	V	K	M

Family Type

G = General Purpose Distribution

Winding Material

A = Aluminum
C = Copper

Phase

2 = Single Phase
6 = Three Phase

kVA

kVA Rating

Primary Voltage

1PH:	3PH:
R = 480	480D
V = 600	600D

Secondary Voltage

1PH:	3PH:
K = 120/240	H = 208Y/120

Multiple Primary

M = Multiple voltage (240×480)*

** on some specific single phase kVA only*

Catalogue Structure - Flex Series

Family Type	Phase	Winding	kVA				Primary Second. Voltage	Temp. Rise	Frequency	K-Factor	Electrostatic shield	Winding config.	Enclosure
CD	6	A	0	0	1	5	VH	A	6	X	X	B	D

Family Type

CD = General Purpose Distribution

Phase

S = Single non C802
T = Three non C802
2 = Single NRCan 2019 (>=15 kVA)
6 = Three NRCan 2019 (>=15 kVA)

Winding Material

A = Aluminum
C = Copper

kVA

kVA Rating

Primary and Secondary Voltages

A = 12	L = 277
B = 16	M = 347
C = 24	N = 380
D = 32	O = 416
E = 110	P = 440
F = 115	Q = 460
G = 120	R = 480
H = 208	S = Special
I = 220	T = 550
J = 230	U = 575
K = 240	V = 600

Temperature Rise at standard 220°C Insulation Class

A = 150°C	C = 80°C
B = 115°C	H = 130°C

Frequency

5 = 50/60 Hz
6 = 60 Hz

K-Factor

A = K4
B = K9
C = K13
D = K20 (max. 300 kVA)
X = Not rated

Electrostatic shield

1 = Qty of ESS
X = Not provided

Winding configuration

A = 3PH Delta-Delta
B = 3PH Delta-Star
C = 3PH Star-Star
D = 3PH Star-Delta
J = 1PH Primary (Single)-Secondary (Single)
K = 1PH Primary (Double)-Secondary (Single)
L = 1PH Primary (Single)-Secondary (Double)
M = 1PH Primary (Double)-Secondary (Double)

Enclosure

D = 3R	H = 4X (Stainless Steel, not painted)*
E = 4*	J = 12*
G = Open - without enclosure	

** non C802*

**data subject to change without notice*

COMM-SPBFD2-07-26

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