

XDT and XTT transformers

Resin encapsulated dry-type transformers for hazardous areas

Eaton's Crouse-Hinds XDT and XTT dry-type transformers provide safe and efficient electric power distribution in the most extreme harsh and hazardous locations.

Applications:

XDT and XTT transformers are designed to operate where volatile flammable liquids or gases are handled, processed or used, and where ignitable concentrations of gases or vapors are normally prevented by positive mechanical ventilation, such as:

- Refineries
- Chemical and petrochemical plants
- Mining
- Corrosive process facilities
- Indoor and outdoor industrial applications

Certifications and compliances:

- Class I, Division 2, Groups A, B, C, D
- cUL to C22.2 No. 66 and C22.2 No. 213-M1987
- NEMA 3R, 4,4X
- UL Standards: UL1604, UL5085-1, UL5085-2

Standard materials:

- Enclosure – painted steel (NEMA 3R) or 316 stainless steel (NEMA 4X)
- Windings – aluminum or copper

Features and benefits:

- Resin encapsulated core coil assembly for reliable performance in extreme environments
- NEMA 3R and 4X enclosures provide essential ingress protection
- 180°C insulation system with 115°C or 95°C winding temperature rise creates optimal loading capabilities
- Removable hinged door for front access to wiring compartment (XTT only)
- Custom configurations available to meet customer specifications

Electrical ratings:

XDT:

- Single-phase – 0.5 to 37.5 kVA
- Three-phase – 3 to 75 kVA
- 180°C insulation
- 115°C winding temperature rise
- Frequency – 60 Hz
- Impedance – 2 to 5%

XTT:

- Three-phase – 112.5 to 150 kVA
- Three-phase 50°C ambient – 3 to 150 kVA at 400Y/231V
- 180°C insulation
- 95°C winding temperature rise
- Frequency – 60 Hz
- Impedance – 1.8 to 6.5%



Hazardous location dry-type transformers from Eaton's Crouse-Hinds provide safe and efficient electric power distribution in the most extreme harsh and hazardous locations.

Oil, gas and chemical



Harsh industrial



Corrosive environments



Offshore platforms



EATON

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Ordering information

Single-phase

Primary voltage	480V	
Secondary voltage	208Y/120V	
NEMA rating	3R	4X
0.5 kVA	XDT1A0A	XDT1A0AX
0.75 kVA	XDT1A0B	XDT1A0BX
1 kVA	XDT1A1	XDT1A1X
1.5 kVA	XDT1A1A	XDT1A1AX
2 kVA	XDT1A2	XDT1A2X
3 kVA	XDT1A3	XDT1A3X
5 kVA	XDT1A5	XDT1A5X
7.5 kVA	XDT1A7	XDT1A7X
10 kVA	XDT1A10	XDT1A10X
15 kVA	XDT1A15	XDT1A15X
25 kVA	XDT1A25	XDT1A25X
37.5 kVA	XDT1A37	XDT1A37X



XDT



XTT



XTT

Three-phase

Primary voltage	480V						600V			
Secondary voltage	208Y/120V		240V		400Y/231V (50°C ambient)		208Y/120V		480Y/277V	
NEMA rating	3R	4X	3R	4X	4	4X	3R	4X	3R	4X
3 kVA	XDT3B3	XDT3B3X	XDT3C3	XDT3C3X	XTT3F3-50C	XTT3F3X-50C	XDT3D3	XDT3D3X	XDT3E3	XDT3E3X
6 kVA	XDT3B6	XDT3B6X	XDT3C6	XDT3C6X	XTT3F6-50C	XTT3F6X-50C	XDT3D6	XDT3D6X	XDT3E6	XDT3E6X
9 kVA	XDT3B9	XDT3B9X	XDT3C9	XDT3C9X	XTT3F9-50C	XTT3F9X-50C	XDT3D9	XDT3D9X	XDT3E9	XDT3E9X
15 kVA	XDT3B15	XDT3B15X	XDT3C15	XDT3C15X	XTT3F15-50C	XTT3F15X-50C	XDT3D15	XDT3D15X	XDT3E15	XDT3E15X
30 kVA	XDT3B30	XDT3B30X	XDT3C30	XDT3C30X	XTT3F30-50C	XTT3F30X-50C	XDT3D30	XDT3D30X	XDT3E30	XDT3E30X
45 kVA	XDT3B45	XDT3B45X	XDT3C45	XDT3C45X	XTT3F45-50C	XTT3F45X-50C	XDT3D45	XDT3D45X	XDT3E45	XDT3E45X
75 kVA	XDT3B75	XDT3B75X	XDT3C75	XDT3C75X	XTT3F75-50C	XTT3F75X-50C	XDT3D75	XDT3D75X	XDT3E75	XDT3E75X
112.5 kVA	XTT3B112	XTT3B112X	XTT3C112	XTT3C112X	XTT3F112-50C	XTT3F112X-50C	XTT3D112	XTT3D112X	XTT3E112	XTT3E112X
150 kVA	XTT3B150	XTT3B150X	XTT3C150	XTT3C150X	XTT3F150-50C	XTT3F150X-50C	XTT3D150	XTT3D150X	XTT3E150	XTT3E150X

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