

# XDT hazardous location transformers

Resin encapsulated dry-type

## Applications:

Eaton's Crouse-Hinds hazardous location dry-type 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, 4X
- UL1604

## Electrical ratings:

- Single phase: 0.5 to 37.5 kVA
- Three phase: 3 to 150 kVA
- 180°C insulation
- 80°C or 115°C winding temperature rise
- Frequency: 60 Hz
- Impedance: 2 to 5%

## 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 80°C or 115°C winding temperature rise for optimal loading capabilities
- Ratings: single phase - 0.5 kVA through 37.5 kVA; three phase - 3 kVA through 150 kVA
- Custom configurations available to meet customer specifications

## Standard materials:

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



Hazardous location dry-type transformers from Eaton's Crouse-Hinds Division 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



**Ordering information:**

Single-phase		
Primary	480V	
Secondary	120/240V	
NEMA	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



Three-phase												
Primary	480V								600V			
	208Y/120V		240V		400Y/231V		400Y/231V (50°C ambient)*		208Y/120V		480Y/277V	
Secondary												
NEMA	3R	4X	3R	4X	3R	4X	3R	4X	3R	4X	3R	4X
3 kVA	XDT3B3	XDT3B3X	XDT3C3	XDT3C3X	XDT3F3	XDT3F3X	XDT3F3-50C	XDT3F3X-50C	XDT3D3	XDT3D3X	XDT3E3	XDT3E3X
6 kVA	XDT3B6	XDT3B6X	XDT3C6	XDT3C6X	XDT3F6	XDT3F6X	XDT3F6-50C	XDT3F6X-50C	XDT3D6	XDT3D6X	XDT3E6	XDT3E6X
9 kVA	XDT3B9	XDT3B9X	XDT3C9	XDT3C9X	XDT3F9	XDT3F9X	XDT3F9-50C	XDT3F9X-50C	XDT3D9	XDT3D9X	XDT3E9	XDT3E9X
15 kVA	XDT3B15	XDT3B15X	XDT3C15	XDT3C15X	XDT3F15	XDT3F15X	XDT3F15-50C	XDT3F15X-50C	XDT3D15	XDT3D15X	XDT3E15	XDT3E15X
30 kVA	XDT3B30	XDT3B30X	XDT3C30	XDT3C30X	XDT3F30	XDT3F30X	XDT3F30-50C	XDT3F30X-50C	XDT3D30	XDT3D30X	XDT3E30	XDT3E30X
45 kVA	XDT3B45	XDT3B45X	XDT3C45	XDT3C45X	XDT3F45	XDT3F45X	XDT3F45-50C	XDT3F45X-50C	XDT3D45	XDT3D45X	XDT3E45	XDT3E45X
75 kVA	XDT3B75	XDT3B75X	XDT3C75	XDT3C75X	XDT3F75	XDT3F75X	XDT3F75-50C	XDT3F75X-50C	XDT3D75	XDT3D75X	XDT3E75	XDT3E75X
112.5 kVA	XDT3B112	XDT3B112X	XDT3C112	XDT3C112X	XDT3F112	XDT3F112X	XDT3F112-50C	XDT3F112X-50C	XDT3D112	XDT3D112X	XDT3E112	XDT3E112X
150 kVA	XDT3B150	XDT3B150X	XDT3C150	XDT3C150X	XDT3F150	XDT3F150X	XDT3F150-50C	XDT3F150X-50C	XDT3D150	XDT3D150X	XDT3E150	XDT3E150X

\*80°C temperature rise with 50°C ambient temperature.

**Options:**

**Suffix**

- Aluminum windings ..... **AL**
- 80°C temperature rise..... **T8**
- NEMA 4X ..... **X**