

# 4A XDT Hazardous Location Dry-Type Transformers

Cl. I, Div. 2, Groups A, B, C, D NEMA 3R, 4X

## Resin Encapsulated Dry-Type Series

Eaton's Crouse-Hinds Hazardous Location Dry-Type Transformers provide safe and efficient electric power distribution in the most extreme harsh and hazardous locations.

### 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

### Features:

- 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 winding temperature rise creates 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

### Certifications and Compliances:

- Class I, Division 2, Groups A, B, C, D
- NEMA 3R, 4X
- UL Standard 1604
- cUL to C22.2 No. 66 and C22.2 No. 213-M1987

### Standard Materials:

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



### Electrical Ratings:

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

### Options:

Description	Suffix
NEMA 4X.....	<b>X</b>
Aluminum windings (three phase only) .....	<b>AL</b>

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### Ordering Information - Single Phase:

Primary Voltage		480V	
Secondary Voltage		120 / 240V	
NEMA		3R	4X
kVA	0.5	XDT1A0A	XDT1A0AX
	0.75	XDT1A0B	XDT1A0BX
	1	XDT1A1	XDT1A1X
	1.5	XDT1A1A	XDT1A1AX
	2	XDT1A2	XDT1A2X
	3	XDT1A3	XDT1A3X
	5	XDT1A5	XDT1A5X
	7.5	XDT1A7	XDT1A7X
	10	XDT1A10	XDT1A10X
	15	XDT1A15	XDT1A15X
	25	XDT1A25	XDT1A25X
	37.5	XDT1A37	XDT1A37X

### Ordering Information - Three Phase:

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

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### Single Phase - NEMA 3R Painted Steel - Copper Windings:

kVA	Cat. #	Height (In.)	Width (In.)	Depth (In.)	Weight (Lbs.)	Frame	Taps
1	XDT1A1	11.3	5.9	5.7	35	59H	None
1.5	XDT1A1A	13.4	6.3	6.4	44	67H	None
2	XDT1A2	13.4	6.3	6.4	51	68H	None
3	XDT1A3	14.3	7.5	8.0	79	176H	None
5	XDT1A5	16.2	10.0	9.9	140	177H	None
7.5	XDT1A7	16.2	10.0	9.9	146	178H	None
10	XDT1A10	19.0	12.9	10.6	240	179H	None
15	XDT1A15	19.0	12.9	10.6	260	180H	None
25	XDT1A25	23.3	15.8	13.3	409	182H	(2) at -5%

### Single Phase - NEMA 4X Stainless Steel - Copper Windings:

kVA	Cat. #	Height (In.)	Width (In.)	Depth (In.)	Weight (Lbs.)	Frame	Taps
1	XDT1A1X	10.3	9.9	7.8	30	67P4X	None
1.5	XDT1A1AX	10.3	9.9	7.8	36	67P4X	None
2	XDT1A2X	11.1	10.4	7.8	50	68P4X	None
3	XDT1A3X	11.3	11.7	9.5	80	1764X	None
5	XDT1A5X	14.8	13.9	9.5	130	1774X	None
7.5	XDT1A7X	14.6	13.9	11.2	160	1784X	None
10	XDT1A10X	17.6	16.9	11.9	230	1794X	None
15	XDT1A15X	17.7	16.7	11.9	320	1804X	None
25	XDT1A25X	28.5	22.5	14.7	900	3004X	(2) at -5%

### Three Phase - NEMA 3R Painted Steel - Copper Windings:

kVA	Cat. #	Height (In.)	Width (In.)	Depth (In.)	Weight (Lbs.)	Frame	Taps
3	XDT3B3 XDT3C3 XDT3D3 XDT3E3 XDT3F3	13.4	16.0	8.3	152	201H	(2) -5% FCBN
6	XDT3B6 XDT3C6 XDT3D6 XDT3E6 XDT3F6	15.9	16.5	10.0	215	200H	(2) -5% FCBN
9	XDT3B9 XDT3C9 XDT3D9 XDT3E9 XDT3F9	15.9	16.0	10.0	230	103H	(2) -5% FCBN
15	XDT3B15 XDT3C15 XDT3D15 XDT3E15 XDT3F15	17.4	20.0	10.6	305	95H	(2) -5% FCBN
30	XDT3B30 XDT3C30 XDT3D30 XDT3E30 XDT3F30	26.6	25.2	12.8	632	243H	(2) -5% FCBN
45	XDT3B45 XDT3C45 XDT3D45 XDT3E45 XDT3F45	26.5	28.5	14.6	904	244H	(2) -5% FCBN
75	XDT3B75 XDT3C75 XDT3D75 XDT3E75 XDT3F75	26.5	28.2	14.7	1470	245H	(2) -5% FCBN

### Three Phase - NEMA 4X Stainless Steel - Copper Windings:

kVA	Cat. #	Height (In.)	Width (In.)	Depth (In.)	Weight (Lbs.)	Frame	Taps
3	XDT3B3X XDT3C3X XDT3D3X XDT3E3X XDT3F3X	13.8	20.4	11.3	152	2014X	(2) -5% FCBN
6	XDT3B6X XDT3C6X XDT3D6X XDT3E6X XDT3F6X	13.8	20.4	11.3	221	2004X	(2) -5% FCBN
9	XDT3B9X XDT3C9X XDT3D9X XDT3E9X XDT3F9X	13.9	20.4	11.3	235	1034X	(2) -5% FCBN
15	XDT3B15X XDT3C15X XDT3D15X XDT3E15X XDT3F15X	15.6	23.5	11.9	319	954X	(2) -5% FCBN
30	XDT3B30X XDT3C30X XDT3D30X XDT3E30X XDT3F30X	27.3	25.2	13.1	828	2434X	(2) -5% FCBN
45	XDT3B45X XDT3C45X XDT3D45X XDT3E45X XDT3F45X	27.3	28.2	15.3	811	2444X	(2) -5% FCBN
75	XDT3B75X XDT3C75X XDT3D75X XDT3E75X XDT3F75X	32.3	30.4	17.1	1651	2454X	(2) -5% FCBN

Dimensions are for reference only and do not indicate the exact construction details.

### Additional Information and Configurations:

- Contact Customer Service for technical specifications (dimensions, weights, taps, etc.) on all other sizes.
- Special configurations are available on request. Please contact Customer Service for additional details.