

# Warehouse Stock Transformers

SELECTION

## Type ST [Modified Units]

TRANSFORMERS

KVA	Catalog Number	List Price \$	Taps <sup>①</sup>	Temperature Rise	Insulation	Mounting Type <sup>②</sup>	Drip Shield Required <sup>③</sup>	Enclosure Style <sup>④</sup>
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### Three Phase

#### 480 Volts Primary, 208Y/120 Volts Secondary, Low Temperature 115C Rise

NEW

15	3F3Y015FST	3528.	Y	115° C	220° C	Floor & Wall	DSK15	Ventilated
30	3F3Y030FST	4456.	Y	115° C	220° C	Floor & Wall	DSK15	Ventilated
45	3F3Y045FST	5255.	Y	115° C	220° C	Floor & Wall	DSK15	Ventilated
75	3F3Y075FST	8347.	Y	115° C	220° C	Floor	DSK1718	Ventilated
112.5	3F3Y112FST	11782.	Y	115° C	220° C	Floor	DSK19	Ventilated
150	3F3Y150FST	15491.	Y	115° C	220° C	Floor	DSK20	Ventilated
225	3F3Y225FST	21356.	Y	115° C	220° C	Floor	DSK30	Ventilated

### Three Phase

#### 480 Volts Primary, 208Y/120 Volts Secondary, Low Temperature 80C Rise

NEW

15	3F3Y015BST	3968.	Y	80° C	220° C	Floor & Wall	DSK16	Ventilated
30	3F3Y030BST	4711.	Y	80° C	220° C	Floor & Wall	DSK16	Ventilated
45	3F3Y045BST	6450.	Y	80° C	220° C	Floor & Wall	DSK1718	Ventilated
75	3F3Y075BST	9125.	Y	80° C	220° C	Floor	DSK1718	Ventilated
112.5	3F3Y112BST	12483.	Y	80° C	220° C	Floor	DSK19	Ventilated
150	3F3Y150BST	16124.	Y	80° C	220° C	Floor	DSK20	Ventilated
225	3F3Y225BST	26551.	Y	80° C	220° C	Floor	DSK50	Ventilated

### Three Phase

#### 480 Volts Primary, 208Y/120 Volts Secondary, Noise Isolation with Electrostatic Shield

15	3F3Y015EST	2896.	Y	150° C	220° C	Floor & Wall	DSK15	Ventilated
30	3F3Y030EST	4019.	Y	150° C	220° C	Floor & Wall	DSK16	Ventilated
45	3F3Y045EST	4817.	Y	150° C	220° C	Floor & Wall	DSK16	Ventilated
75	3F3Y075EST	7282.	Y	150° C	220° C	Floor	DSK1718	Ventilated
112.5	3F3Y112EST	9727.	Y	150° C	220° C	Floor	DSK1718	Ventilated
150	3F3Y150EST	12670.	Y	150° C	220° C	Floor	DSK19	Ventilated

### Three Phase

#### 480 Volts Primary, 208Y/120 Volts Secondary, K13 (100% Non-Linear Load)

NEW

15	3F3Y015K13ST	3714.	Y	150° C	220° C	Floor & Wall	DSK15	Ventilated
30	3F3Y030K13ST	4625.	Y	150° C	220° C	Floor & Wall	DSK16	Ventilated
45	3F3Y045K13ST	5603.	Y	150° C	220° C	Floor & Wall	DSK1718	Ventilated
75	3F3Y075K13ST	8672.	Y	150° C	220° C	Floor	DSK1718	Ventilated
112.5	3F3Y112K13ST	12005.	Y	150° C	220° C	Floor	DSK19	Ventilated
150	3F3Y150K13ST	15836.	Y	150° C	220° C	Floor	DSK19	Ventilated

### Taps

Description	Designation
4-3% (2 FCAN, 2 FCBN)	J
2-3.5% (1 FCAN, 1 FCBN)	K
3-5% (1 FCAN, 2 FCBN)	M
None	N
2-5% FCBN	R
2-5% (1 FCAN, 1 FCBN)	S
4-2.5% (2 FCAN, 2 FCBN)	T
2-2.5% FCBN	U
4-2.5% FCBN	X
6-2.5% (2 FCAN, 4 FCBN)	Y

① Actual taps are shown for warehouse stock transformers.

② Wall designations for units having standard features.

③ For outdoor application. Ventilated transformers requiring drip shields are UL listed for outdoor use.

④ Encapsulated transformers are UL listed for indoor/outdoor use.

■ = Warehouse Stock

# Distribution Dry Type Transformers

GENERAL

## 600 Volts Class — Single and Three Phase

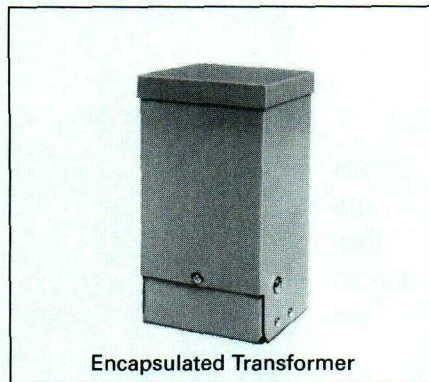
**600 Volts Class**  
**Single Phase 0.25–167 KVA**  
**Three Phase 3–1000 KVA**

### Features

- Standard units are UL listed and are designed in accordance with ANSI, NEMA and IEEE standards.
- ### Encapsulated
- UL listed designs. (UL 506)
  - Totally enclosed, non-ventilated, heavy gauge steel enclosure.
  - Core and coil completely embedded within a resin compound for quiet, low temperature operation.
  - Encapsulation seals out moisture and air.
  - UL listed indoor / outdoor enclosure features integral wall mounting brackets.
  - Rugged design resists weather, dust, and corrosion.
  - Efficient, compact, lightweight, easy to install.
  - Flexible wiring leads that terminate within the bottom wiring compartment.
  - Large wiring compartment on the bottom with convenient knockouts.
  - High quality non-aging electrical grade core steel.
  - Precision wound coils.

### Ventilated

- UL listed designs. (UL 1561)
- Designed for indoor installation; enclosures suitable for outdoor locations available as an option.
- Core and coils are designed with UL listed high-temperature materials rated for 220°C; standard units feature 150°C winding temperature rise.
- Optional low temperature rise of 115°C or 80°C winding temperature rise for increased efficiency and additional overload capability.
- Rugged sheet steel enclosure per UL1561, UL506 standards with removable panels for access to the internal wiring area.
- Neoprene noise dampening pads isolate the core and coil from the enclosure.
- Optional drip shields/weathershield and wall brackets available.
- High quality, non-aging electrical grade core steel.
- Precision wound coils.



Encapsulated Transformer



Ventilated Transformer

### Single Phase Transformer Ampere Ratings

Single Phase Full Load Amperes						
KVA	120V	208V	240V	277V	480V	600V
.25	2.0	1.2	1.0	0.9	0.5	0.4
.50	4.2	2.4	2.1	1.8	1.0	0.8
.75	6.3	3.6	3.1	2.7	1.6	1.3
1	8.3	4.8	4.2	3.6	2.1	1.7
1.5	12.5	7.2	6.2	5.4	3.1	2.5
2	16.7	9.6	8.3	7.2	4.2	3.3
3	25	14.4	12.5	10.8	6.2	5
5	41	24	20.8	18.0	10.4	8.3
7.5	62	36	31	27	15.6	12.5
10	83	48	41	36	20.8	16.7
15	125	72	62	54	31	25
25	206	120	104	90	52	41
37.5	312	180	156	135	76	62
50	416	240	208	180	104	83
75	625	340	312	270	156	125
100	833	480	416	361	208	166
167	1391	803	695	603	347	278

### Three Phase Transformer Ampere Ratings

Three Phase Full Load Amperes				
KVA	208V	240V	480V	600V
3	8.3	7.2	3.6	2.9
6	16.6	14.4	7.2	5.8
9	25	21.6	10.8	8.6
15	41.7	36.1	18.0	14.4
30	83.4	72.3	36.1	28.9
45	124	108	54.2	43.4
75	208	180	90	72
112.5	312	270	135	108
150	416	360	180	144
225	624	541	270	216
300	832	721	360	288
500	1387	1202	601	481
750	2084	1806	903	723
1000	2779	2408	1204	963

### Insulation Class and Temperature Rise

KVA		Insulation		
1 Phase	3 Phase	NEMA Class	Temperature Class	Temperature Rise
0.25–25 <sup>①</sup>	3–15	F	180° C	115° C
15–167	15–1000	H	220° C	150° C

### Sound Level in Decibels<sup>②</sup> — 600V Class

KVA	NEMA Average dB	KVA	NEMA Average dB
0–9	40	301–500	60
10–50	45	501–700	62
51–150	50	701–1000	64
151–300	55		

① 25KVA 227 -120/240 is 115° C rise. 25KVA 480 x 240 -120/240 is 150° C rise.

② Average sound level applies to 150° C rise K-1 transformers. Average dB levels for low temperature and other K-Factor ratings available upon request.