

HPS FORTRESS™

COMMERCIAL ENCAPSULATED DISTRIBUTION TRANSFORMERS

THREE PHASE STANDARD SPECIFICATIONS

2 TO 3 KVA



6 TO 75 KVA



	2 kVA to 3 kVA	6 kVA to 75 kVA
UL Listed	File: E50394	File: E50394
CSA Certified	File: LR3902	File: LR3902
Frequency	60 Hz (50/60 Hz)	60 Hz (50/60 Hz)
Insulation System	130°C (80°C rise) standard on all units.	180°C (115°C rise) standard on all units.
Electrostatic Shield	Standard on all units.	Standard on all units.
Encapsulation	All units are encapsulated with electrical grade silica sand and resin compounds.	All units are encapsulated with electrical grade silica sand and resin compounds.
Enclosure Type	Type 3R	Type 3R
Enclosure Finish	ANSI 61 Grey, UL50	ANSI 61 Grey, UL50
Termination	Top accessible separate high and low voltage lead wires or copper tabs.	Top accessible separate high and low voltage lead wires or copper tabs.
Conduit Knock-Outs	Standard side and rear knock-outs on all units (no knock-outs on Stainless Steel enclosures).	Standard side and rear knock-outs on all units (no knock-outs on Stainless Steel enclosures).
Impedance	Typically 4 to 8%	Typically 1 to 5%.
Mounting	Standard Wall Mounting Lifting provisions standard on all units.	Standard Wall Mounting up to (but not including) 15 kVA (optional wall mounting kit available for 15 kVA, 30 kVA and 45 kVA). Floor mount only over 45 kVA. Lifting provisions standard 6 kVA to 75 kVA.
Sound Level	Meets NEMA ST-20 standards.	Meets NEMA ST-20 standards.

Other voltages and kVA ratings not listed in this section are available upon request. Please contact customer service for details, price and availability.

THREE PHASE, NEMA 3R STYLE ENCLOSURE



480 Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style (Pages 228 - 230)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram (Pages 243 - 258)
			Width	Depth	Height			
2	C3F002KBS	NQT3	12.38	5.44	11.13	50	W	SCD8
3	C3F003KBS	NQT3	12.38	5.44	11.13	70	W	SCD8
6	C3F006KBS	NQT5	16.63	10.25	16.63	140	W	SCD8
9	C3F009KBS	NQT6	19.25	10.44	16.63	210	W	SCD8
15	C3F015KBS	NQT7	20.25	13.00	23.38	350	F or W*	SCD8
30	C3F030KBS	NQT8	22.25	13.00	28.38	525	F or W*	SCD9
45	C3F045KBS	NQT9	31.50	16.00	29.88	700	F or W*	SCD9
75	C3F075KBS	NQT9A	34.63	18.50	36.75	1420	F	SCD9

*OPTIONAL WALL MOUNTING KIT REQUIRED.
REFER TO PAGE 240 FOR DETAILS.

480 Primary Volts

240D Secondary Volts

60 Hz

kVA	Catalog Number	Case Style (Pages 228 - 230)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram (Pages 243 - 258)
			Width	Depth	Height			
2	C3F002KDS	NQT3	12.38	5.44	11.13	50	W	SCD12
3	C3F003KDS	NQT3	12.38	5.44	11.13	70	W	SCD12
6	C3F006KDS	NQT5	16.63	10.25	16.63	140	W	SCD12
9	C3F009KDS	NQT6	19.25	10.44	16.63	210	W	SCD12
15	C3F015KDS	NQT7	20.25	13.00	23.38	350	F or W*	SCD12
30	C3F030KDS	NQT8	22.25	13.00	28.38	525	F or W*	SCD38
45	C3F045KDS	NQT9	31.50	16.00	29.88	700	F or W*	SCD38
75	C3F075KDS	NQT9A	34.63	18.50	36.75	1420	F	SCD38

*OPTIONAL WALL MOUNTING KIT REQUIRED.
REFER TO PAGE 240 FOR DETAILS.

600 Primary Volts

208Y/120 Secondary Volts

60 Hz

kVA	Catalog Number	Case Style (Pages 228 - 230)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram (Pages 243 - 258)
			Width	Depth	Height			
2	C3F002PBS	NQT3	12.38	5.44	11.13	50	W	SCD8
3	C3F003PBS	NQT3	12.38	5.44	11.13	70	W	SCD8
6	C3F006PBS	NQT5	16.63	10.25	16.63	140	W	SCD8
9	C3F009PBS	NQT6	19.25	10.44	16.63	210	W	SCD8
15	C3F015PBS	NQT7	20.25	13.00	23.38	350	F or W*	SCD8
30	C3F030PBS	NQT8	22.25	13.00	28.38	525	F or W*	SCD9
45	C3F045PBS	NQT9	31.50	16.00	29.88	700	F or W*	SCD9
75	C3F075PBS	NQT9A	34.63	18.50	36.75	1420	F	SCD9

*OPTIONAL WALL MOUNTING KIT REQUIRED.
REFER TO PAGE 240 FOR DETAILS.

600 Primary Volts

240D Secondary Volts

60 Hz

kVA	Catalog Number	Case Style (Pages 228 - 230)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram (Pages 243 - 258)
			Width	Depth	Height			
2	C3F002PDS	NQT3	12.38	5.44	11.13	50	W	SCD12
3	C3F003PDS	NQT3	12.38	5.44	11.13	70	W	SCD12
6	C3F006PDS	NQT5	16.63	10.25	16.63	140	W	SCD12
9	C3F009PDS	NQT6	19.25	10.44	16.63	210	W	SCD12
15	C3F015PDS	NQT7	20.25	13.00	23.38	350	F or W*	SCD12
30	C3F030PDS	NQT8	22.25	13.00	28.38	525	F or W*	SCD45
45	C3F045PDS	NQT9	31.50	16.00	29.88	700	F or W*	SCD45
75	C3F075PDS	NQT9A	34.63	18.50	36.75	1420	F	SCD45

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