

225 KVA Padmount Transformer, Three Phase
Part Number: CWS-225KVA3P-0.48

CWS Engineering			Jun-25
357 West Grove Ave, Orange, Ca 92865			
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	Description	Unit	Specifications
General			
1.1	Manufacturer		CWS Engineering
1.2	Winding Material		Aluminum, Standard Efficiency
1.3	High Voltage (HV)	V	480 V
1.4	Low Voltage (LV)	V	240 V with 120V Center Tap. Standard: IEEE/ANSI, Application : Step
1.5	Sound Level		NEMA TR1
1.6	HV Vector		Delta
1.7	LV Vector		Delta
1.8	Vector Group		Dd0
1.9	Frequency	HZ	60 HZ
2.1	Fluid		Mineral Oil
2.2	Impedance		3 (± 7.5% tolerance)
2.3	Feed		Radial Feed
2.4	Ambient Temp	°C	Avg 30 / Max 40 °C
2.5	Elevation	Feet	3300 Feet
2.6	Cooling Class		ONAN
2.7	Temp Rise	°C	65 °C Rise
2.8	HV Tap		± 2 X 2.5% ANBN HV
2.9a	HV Bil	kV	30 kV
2.9b	LV Bil	kV	30 kV
3.1	HV Segment		1
3.1a	HV Location		Sidewall
3.1b	HV Front		Live Front
3.2a	LV Segment		1
3.2b	LV Location		Sidewall
3.2c	LV Front		Live Front
3.3	Zero Seq. Imp.		0
Ratings/Notations			
4	LV Termination	kV, A	1.2 kV Bushing with 4-hole Spade (1200 A), Qty (4)
	Monitoring		Liquid Level Gauge with Low Contact 4" , Qty (1)
			Liquid Temperature Gauge with 1 Contact, Qty (1)
			Pressure Relief Valve, Qty (1)
			Pressure Vacuum Gauge, Qty (1)
5	Tank Features		Schrader Valve, Qty (1)
			1" Drain Valve with Sampler, Brass, Qty (1)
			1" Fill Valve, Brass, Qty (1)
			Bolt Down Anchors, Qty (1)
		A	De-energized Tap Changer (5 pos 400 A Sub), Qty (1)
			Jacking Provisions, Qty (1)
			Lifting Lugs, Qty (1)
			Nitrogen Blanket, Qty (1)
			Compartment Removable Sill, Qty (1)
			Penta Head REA Bolt, Qty (1)
			Stainless Steel Ground Pads, Qty (1)
			Padmount Compartment with HV/LV Barrier, 18", Qty (1)
6	Paint		ANSI 70 Gray
			Standard Paint System (IEEE C57.12.28)
7	Labeling		Diagramatic Durablack Nameplate, Qty (1)
			No UL Listing
8	Material Adders		Duplicate of VanTran SN 90V6973 (or equal), Qty (1)
		Kv, A	HV 1.2 kV Bushing with 4-hole Spade (1200A), Qty (3)
9	Testing		Winding Resistance (Routine)
			Dielectric AC Applied Voltage "HiPot" (Routine)
			Dielectric AC Induced Voltage (Routine)
			Insulation Resistance (Routine)
			Load Losses & Impedance Voltage (Routine)
			No-Load Losses & Excitation Current (Routine)
			Turn Ratio & Phase Relation (Routine)