

150 KVA Padmount Transformer, Three Phase. 12470-240/120
Part Number: CWS-150KVA3P-12.47D

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)	Volt Delta	12470 Volt Delta
1.4	Low Voltage (LV)	Volt Delta, Volt Center Tap	240 Volt Delta with 120 Volt Center Tap
1.5	Taps	Volt	13090 V, 12780 V, 12470 V, 12160 V, 11850 V
1.6	HV Vector		Delta
1.7	LV Vector		Delta
1.8	HV Bushings	A	(6) 200A Wells & Inserts (dead front, loop feed)
1.9	LV Bushings		(4) 4-Hole Spades
2.1	Fluid		Mineral Oil
2.2	Frequency	HZ	60 Hz
2.3	Feed		Loop Feed
2.4	Fusing		Bayonet with ISO Links
2.5	Elevation	feet	3300 feet
2.6	Cooling Class		ONAN
2.7	Temp Rise	°C	65 °C Rise
2.8	Conductor		Aluminium / Aluminium
2.9a	HV Bil	kV	95 kV
2.9b	LV Bil	kV	30 kV
	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)