

Guaranteed Technical Particulars for Lighting Transformers in Toroidal Construction

Make	Pelton Power						Stray Flux	Negligible					
Applicable IS	IS 11171 : 1985						Rated Impedance@75 Degree	4%, Tolerance +/-25%					
Construction	3 Ph. Bank of 3 Nos. 1 Ph.Toroidal Units on Common Chasis						Efficiency	> 95%					
Type of Cooling	Air Natural						No Load Current	<2%					
Vector Group	Delta-Star (D Yn 11)						Regulation	< 3 %					
Supply Frequency	50 Hz.(± 3 %)						Degree of Protection	IP 00 Open Type					
Number of Phases	3						Noise Level	Negligible					
Ambient	40 Degree C						Mouting Fixtures for Indoor Installation	Provided					
Class of Insulation	F						Lifting Hooks	Provided					
Insulation Level	0.72 / 3 KV						Type of Core	CRGO Silicon Steel Gapless					
Tappings on Primary Side	± 5%						Type of Winding	Super Enamelled Copper Wire					
Tappings on Secondary Side	Not Provided						Primary/Secondary Terminals	Block Type Terminals					
Over Voltage Rating	110% Cont.						Earthing Studs	Provided					
Over Current Rating	105% Cont.						Non Current Carrying Parts	Zink Passivated					
Rating	Primary Voltage	Secondary Voltage	Rated Current (A)		Suitable	Suitable	No Load Losses	Total Losses	Dimesnions (mm)			Approximatel y	
			Primary	Secondary	MCB for Primary	MCB for Secondary			Length	Width	Height	Weight (Kgs.)	
5	415	380	6.96	7.60	16	10	50	300	400	240	300	70	
6	415	380	8.35	9.12	16	10	50	330	400	240	300	70	
7.5	415	380	10.43	11.40	25	16	50	360	400	240	300	70	
9	415	380	12.52	13.67	32	16	50	500	500	350	350	80	
10	415	380	13.91	15.19	32	16	50	500	500	350	350	90	
12	415	380	16.69	18.23	32	25	100	600	500	350	375	95	
15	415	380	20.87	22.79	50	25	165	566	550	450	450	120	
20	415	380	27.82	30.39	63	32	200	889	500	500	500	150	
25	415	380	34.78	37.98	100	40	219	913	550	500	500	175	
30	415	380	41.74	45.58	100	50	260	1095	550	500	550	210	
40	415	380	55.65	60.78	150	63	346	1369	550	500	550	280	
50	415	380	69.56	75.97	150	80	380	1489	650	500	600	350	
75	415	380	104.34	113.95	200	125	437	2343	650	500	650	400	
100	415	380	139.12	151.94	300	150	489	2467	700	500	700	480	

Pelton Power Technologies Private Limited