

**TECHNICAL DATA SHEET - METAL CLAD VCBs - DIYA Series**

Sl.No	Description	Technical Parameters					
1	Description of the Switchgear	Metal clad <b>cassette</b> type VCBs					
2	Standards followed in design, manufacture and testing	IEC 62271-100/200/1					
3	<b>Panel Type Designation</b>	<b>DIYA1212P/25-6</b>		<b>DIYA1220P/25-8</b>	<b>DIYA3620P/25-12</b>	<b>DUVI3625P/31-12</b>	
4	Rated System Voltage	12kV	12kV	12kV	12kV	36kV	36kV
5	Rated Continuous Bus-Bar Current	1250A	1250A	1250A	2000A	2000A	2500A
6	Nominal System Voltage & Frequency	11kV, 50Hz	11kV, 50Hz	11kV, 50Hz	11kV, 50Hz	36kV, 50Hz	36kV, 50Hz
7	One minute Power Frequency Voltage withstand level	28kVrms	28kVrms	28kVrms	28kVrms	70kVrms	70kVrms
8	1.2/50micro-second Impulse Voltage withstand level	75kVp	75kVp	75kVp	75kV Peak	170kV Peak	170kV Peak
9	Insulation	Air	Air	Air	Air	Air	Air
10	<b>Breaker Type Designation</b>	<b>DIYA1206T/25-6</b>	<b>DIYA1208T/25-6</b>	<b>DIYA1212T/25-6</b>	<b>DIYA1216T/25-8</b>	<b>DIYA3620T/25-12</b>	<b>DIYA3612T/31-12</b>
11	Rated continuous Current carrying capacity	630A	800A	1250A	1600A	1600A, 2000A	2000A, 2500A
12	No. of Poles	3	3	3	3	3	3
13	Rated short time withstand current	25kA / 3 Sec	25kA / 3 Sec	25kA / 3 Sec	25kA / 3 Sec	25kA / 3 Sec	31.5kA / 3 Sec
14	Rated short circuit breaking capacity	25kA rms	25kA rms	25kA rms	25kA rms	25kA rms	31.5kA rms
15	Rated short circuit making capacity	62.5kAp	62.5kAp	62.5kAp	62.5kAp	62.5kAp	78.75kAp
16	Overall Dimensions in millimetres	( W x D x H )	( W x D x H )	( W x D x H )	( W x D x H )	( W x D x H )	( W x D x H )
	a) Indoor type Panels	650 x 1400 x 2100	650 x 1400 x 2100	650 x 1400 x 2100	800 x 1400 x 2100	1200 x 2825 x 2500	1200 x 2825 x 2500
	b) Outdoor type Panels	650 x 1450 x 2250	650 x 1450 x 2250	650 x 1450 x 2250	800 x 1450 x 2250	1200 x 3000 x 2650	1200 x 3000 x 2650
17	Approx. Panel Weight	750 kgs	780 kgs	800 kgs	880 kgs	1350 kgs	1480 kgs
18	Cable Termination Incoming & Outgoing	Bottom / top Cable Entry or Busduct					
19	Type of operating mechanism	Motorized Spring charged (or) Magnetic Actuator					
20	Installation	Indoor & Outdoor types available					
21	Degree of protection	Indoor Type: IP 4X / Outdoor Type: IP:55					
22	Paint type and shade	Powder Painting to Shade: RAL 7032					