

1)LARGE DISTRIBUTION TRANSFORMER

RATED (MVA)	VECTOR GROUP	COOLING TYPE	VOLTAGE (kV)	NOISE LEVEL(dbA)	LOSSES(KW)			IMPEDANCE (%)	TOTAL WT (METRIC TONNE)	OIL (litre)	OVERALL (mm)		
					LOAD	NO LOAD					LENGTH	WIDTH	HEIGHT
7.5	Dyn 11	ONAN	33/11	64	39	9	7.5	20	5402	5881	3136	3113	
10	Dyn 11	ONAN	33/11	64	52	9	8	27.9	7047	6316	3137	3425	
15	Dyn 11	ONAN	33/11	64	82	11	10	30.6	9683	6420	4173	3510	
10/15	Dyn 11	ONAN/ONAF	33/11	64	80	12	10	32.3	7360	6159	3768	3376	
14/20	Dyn 11	ONAN/ONAF	33/11	64	104	12	10	38.9	8732	6712	3805	3670	
20/25	Dyn 1	ONAN/ONAF	33/11	64	128	16	10	50.9	12940	6950	4450	3800	
21/30	Dyn 11	ONAN/ONAF	33/11	55	120	15	10	46.8	11674	7390	3743	4115	
30/35	Dyn1	ONAN/ONAF	33/11	64	155	20	10	52.4	13450	7352	4078	4145	

2)CUSTOMIZED DESIGN

RATED (MVA)	VECTOR GROUP	COOLING TYPE	VOLTAGE (kV)	NOISE LEVEL(dbA)	LOSSES(KW)			IMPEDANCE (%)	TOTAL WT (METRIC TONNE)	OIL (litre)	OVERALL (mm)		
					LOAD	NO LOAD					LENGTH	WIDTH	HEIGHT
8	Dyn 11	ONAN	11.5/6.6	64	41	7	4.5	20.9	6130	3990	3574	3850	
7.5/10	Dyn 11	ONAN/ONAF	33/6.6	64	40	9	8	27.9	8040	5150	3140	3590	
10/12	Dyn 11	ONAN/ONAF	11/6.92	64	58	10	4.7	24.7	6490	5805	3490	3500	
16	Dyn 11	ONAN	11/3.3	64	97	10	10	30.3	10500	6280	3364	4165	
20	Dyn 11	ONAN	33/11.5	64	93	15	11.4	32.9	11145	6298	3920	3740	
21/30	Dyn 11	ONAN/ONAF	33/22-11	60	140	19	10	50.5	12530	7757	4804	4832	

3) POWER SIZE 132KV

RATED (MVA)	VECTOR GROUP	COOLING TYPE	VOLTAGE (kV)	NOISE LEVEL(dbA)	LOSSES(KW)			IMPEDANCE (%)	TOTAL WT (METRIC TONNE)	OIL (litre)	OVERALL (mm)		
					LOAD	NO LOAD					LENGTH	WIDTH	HEIGHT
21/30	YNd11	ONAN/ONAF	132/11	60	100	20	13.5	69.4	20689	7286	4796	5460	
21/30	YNyn0(d)	ONAN/ONAF	132/11	60	100	20	13.5	79	18750	7200	5030	5850	
20/30	YNd11	ONAN/ONAF	132/11	81	100	20	13.6	80	28706	8441	4560	5843	
20/30	YNyn0(d)	ONAN/ONAF	132/11	81	110	20	13.5	82	28508	8441	4560	5843	
30/45	YNyn0(d)	ONAN/ONAF	132/33	60	154	28.5	13.5	104	28223	7596	5497	5516	
42/60	YNyn0(d)	ONAN/ONAF	150/20	79	220	38	12.5	124	33000	8435	4357	6917	
60/90	YNd1	ONAN/ONAF	132/33	90	270	42	13.5	143	48198	10724	5510	6737	
60/90	YNyn0(d11)	ONAN/ONAF	132/33	90	270	42	13.5	145	47823	10724	5510	6737	
63/90	YNyn0(d1)	ONAN/ONAF	132/66	60	246	43	13.5	149	50625	9705	5142	6733	

1)MEDIUM SIZE

RATED MVA	VECTOR GROUP	COOLING TYPE	VOLTAGE (kV)	NOISE LEVEL(dbA)	LOSSES(Kw)			IMPEDANCE (%)	TOTAL WT (METRIC TONNE)	OIL (litre)	OVERALL Dim(mm)		
					LOAD	NO LOAD					LENGTH	WIDTH	HEIGHT
21/30	Dyn 11	ONAN/ONAF	33/11	55	120	15	10	46.8	11674	7390	3743	4115	
10/15	Dyn 11	ONAN/ONAF	33/11	64	80	12	10	32.3	7360	6159	3768	3376	
7.5	Dyn 11	ONAN	33/11	64	39	9	7.5	20	5402	5881	3136	3113	
10	Dyn 11	ONAN	33/11	64	52	9	8	27.9	7047	6316	3137	3425	
20/25	Dyn 1	ONAN/ONAF	33/11	64	128	16	10	50.9	12940	6950	4450	3800	
15	Dyn 11	ONAN	33/11	64	82	11	10	30.6	9683	6420	4173	3510	
30/35	Dyn1	ONAN/ONAF	33/11	64	155	20	10	52.4	13450	7352	4078	4145	
14/20	Dyn 11	ONAN/ONAF	33/11	64	104	12	10	38.9	8732	6712	3805	3670	

2)CUSTOMIZE DESIGN

RATED MVA	VECTOR GROUP	COOLING TYPE	VOLTAGE (kV)	NOISE LEVEL(dbA)	LOSSES(Kw)			IMPEDANCE (%)	TOTAL WT (METRIC TONNE)	OIL (litre)	OVERALL Dim(mm)		
					LOAD	NO LOAD					LENGTH	WIDTH	HEIGHT
7.5/10	Dyn 11	ONAN/ONAF	33/6.6	64	40	9	8	27.9	8040	5150	3140	3590	
20	Dyn 11	ONAN	33/11.5	64	93	15	11.4	32.9	11145	6298	3920	3740	
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10/12	Dyn 11	ONAN/ONAF	11/6.92	64	58	10	4.7	24.7	6490	5805	3490	3500	
21/30	Dyn 11	ONAN/ONAF	33/22-11	60	140	19	10	50.5	12530	7757	4804	4832	
16	Dyn 11	ONAN	11/3.3	64	97	10	10	30.3	10500	6280	3364	4165	

3) POWER SIZE

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21/30	YNyn0(d)	ONAN/ONAF	132/11	60	100	20	13.5	79	18750	7200	5030	5850	
30/45	YNyn0(d)	ONAN/ONAF	132/33	60	154	28.5	13.5	104	28223	7596	5497	5516	
63/90	YNyn0(d1)	ONAN/ONAF	132/66	60	246	43	13.5	149	50625	9705	5142	6733	
20/30	YNd11	ONAN/ONAF	132/11	81	100	20	13.6	80	28706	8441	4560	5843	
20/30	YNyn0(d)	ONAN/ONAF	132/11	81	110	20	13.5	82	28508	8441	4560	5843	
60/90	YNd1	ONAN/ONAF	132/33	90	270	42	13.5	143	48198	10724	5510	6737	
60/90	YNyn0(d11)	ONAN/ONAF	132/33	90	270	42	13.5	145	47823	10724	5510	6737	
42/60	YNyn0(d)	ONAN/ONAF	150/20	79	220	38	12.5	124	33000	8435	4357	6917	



MS ISO 9001  
REG NO:AR1298

POWER TRANSFORMERS  
**TECHNICAL DATA**



# POWER TRANSFORMER TECHNICAL DATA

## **MALAYSIA TRANSFORMER**

(A subsidiary of Tenaga Nasional Berhad)

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