

Type 3Ph 50Hz Low Voltage Dry Type Transformer insulation Class H

HV side 400 V.

LV side 210 V. Vector connection Dd0



Rating Power	... KVA.	30	50	75	100	160	200	250	315	400	500	630	800	1000
No-Load loss	... Watt	130	210	270	340	480	570	670	700	850	1000	1200	1300	1600
Load loss 75°C	... Watt	500	1050	1400	1750	2350	2900	3250	3900	4600	5500	6500	11000	13500
Impedance voltage 75°C	... %	4	4	4	4	4	4	4	4	4	4	4	6	6
Z _{LV}	...mOhm	176.4	105.8	70.6	52.9	33.1	26.5	21.2	16.8	13.2	10.6	8.4	9.9	7.9
Reactance Voltage	... %	3.64	3.40	3.54	3.60	3.72	3.73	3.78	3.80	3.83	3.85	3.86	5.84	5.85
X _{LV}	...mOhm	160.3	90.1	62.4	47.6	30.8	24.7	20.0	16.0	12.7	10.2	8.1	9.7	7.7
Resistance Voltage	... %	1.67	2.10	1.87	1.75	1.47	1.45	1.30	1.24	1.15	1.10	1.03	1.38	1.35
R _{LV}	...mOhm	73.5	55.6	32.9	23.2	12.1	9.6	6.9	5.2	3.8	2.9	2.2	2.3	1.8
Rated Current	HV ... amp.	43.30	72.17	108.26	144.34	230.95	288.68	360.85	454.68	577.37	721.71	909.35	1,154.73	1,443.42
	LV ... amp.	82	137	206	275	440	550	687	866	1,100	1,375	1,732	2,199	2,749
I short circuit LV (I _{sc})	... KA	2.1	3.4	5.2	6.9	11.0	14	17	22	27	34	43	37	46
Sound level (L _{pa} 0.3m)	... dB(A)	51	51	52	53	53	53	56	58	58	58	59	60	60
Efficiency at P.F. = 1														
at 25% Load	... %	97.90	97.84	98.13	98.23	98.46	98.52	98.62	98.82	98.88	98.94	98.99	99.02	99.03
at 50% Load	... %	98.33	98.15	98.37	98.47	98.68	98.72	98.83	98.95	99.01	99.06	99.11	99.00	99.01
at 75% Load	... %	98.21	97.91	98.15	98.26	98.52	98.55	98.69	98.79	98.87	98.92	98.98	98.77	98.79
at 100% Load	... %	97.94	97.54	97.82	97.95	98.26	98.29	98.46	98.56	98.66	98.72	98.79	98.49	98.51
Voltage regulation at 100% load														
at P.F. = 0.8	... %	3.53	3.73	3.63	3.57	3.43	3.42	3.33	3.30	3.25	3.22	3.17	4.68	4.66
at P.F. = 0.9	... %	3.12	3.40	3.25	3.17	2.98	2.97	2.86	2.81	2.75	2.71	2.66	3.89	3.87
at P.F. = 1	... %	1.73	2.16	1.93	1.81	1.54	1.52	1.37	1.31	1.22	1.17	1.11	1.55	1.52
Overall dimension														
L	... mm.	1010	1060	1155	1160	1360	1205	1380	1455	1500	1550	1550	1560	1680
W	... mm.	690	740	850	790	850	835	850	950	1020	1190	1220	1335	1340
H	... mm.	1015	1115	1115	1115	1220	1315	1320	1335	1415	1620	1680	1740	1750
Total weight	... Kg.	330	440	530	660	880	925	1180	1290	1500	1950	2050	2110	2210

Note : The data in this table are indicative and can be modified at any time.