

6-35kV DRY-TYPE TRANSFORMERS

Technical data for cast-resin, open-wound and amorphous-alloy dry-type series.

TECHNICAL RANGE

- SCB10 cast-resin series
- SGB10 open-wound series
- 6/10kV, 20kV and 35kV
- SCBH15 amorphous alloy

Final ratings, losses, dimensions and accessories are subject to the approved technical agreement.

Dry-Type Transformer Range

A focused technical reference for QIGUANG indoor and project-specific dry-type transformer solutions.

SCB10 Series

6/10kV off-circuit and on-load regulating cast-resin dry-type transformer references.

SGB10 Series

6/10kV open-wound dry-type transformer references for industrial power distribution.

20kV and 35kV Series

Medium-voltage dry-type transformer data for higher-voltage distribution systems.

SCBH15 Series

Amorphous-alloy dry-type distribution transformers with low no-load loss and non-flammable insulation.

6/10kV Dry-Type Transformer - SCB10 - Electrical Data (Part 1)

Off-circuit and on-load regulating dry-type transformer range

kVA	HV (kV)	Tapping	LV (kV)	Vector	P0 W	Pk-B W	Pk-F W	Pk-H W	I0 %	Uk %
30	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	205	740	780	830	2.3	4
50	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	285	1060	1120	1200	2.2	4
80	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	380	1460	1550	1660	1.7	4
100	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	410	1700	1800	1930	1.7	4
125	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	470	1980	2100	2250	1.5	4
160	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	550	2250	2450	2620	1.5	4
200	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	650	2700	2850	3050	1.3	4
250	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	740	3060	3250	3480	1.3	4
315	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	880	3650	3900	4180	1.1	4
400	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1000	4340	4600	4900	1.1	4
500	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1180	5160	5470	5850	1.1	4
630	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1350	6150	6500	6950	0.9	4
630	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1300	6300	6700	7170	0.9	4
800	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1540	7360	7800	8350	0.9	4
1000	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1750	8730	9250	9900	0.9	4
1250	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	2030	10400	11000	11800	0.9	4



kVA	HV (kV)	Tapping	LV (kV)	Vector	P0 W	Pk-B W	Pk-F W	Pk-H W	I0 %	Uk %
1600	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	2700	12700	13500	14400	0.9	6

6/10kV Dry-Type Transformer - SCB10 - Electrical Data (Part 2)

Off-circuit and on-load regulating dry-type transformer range

kVA	HV (kV)	Tapping	LV (kV)	Vector	P0 W	Pk-B W	Pk-F W	Pk-H W	I0 %	Uk %
2000	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	3000	15300	16200	17400	0.7	6
2500	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	3500	18400	19500	20800	0.7	8
1600	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	2700	13700	14500	15500	0.9	6
2000	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	3000	16700	17700	19000	0.7	6
2500	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	3500	19800	21000	22500	0.7	8

P0: no-load loss. Pk-B/F/H: load loss at 100°C / 120°C / 145°C.

6/10kV Dry-Type Transformer - SCB10 - Weight & Dimensions (Part 1)

Off-circuit and on-load regulating dry-type transformer range

kVA	Gauge mm	L mm	W mm	H mm
30	300	1200	1100	1800
50	300	1300	1100	1800
80	550	1400	1150	1800
100	550	1500	1150	1800
125	550	1600	1150	1800
160	550	1600	1150	1800
200	550	1600	1150	1800
250	660	1600	1200	1800
315	660	1700	1250	1800
400	660	1700	1250	1800
500	660	1700	1250	2200
630	660	1700	1250	2200
630	820	1700	1250	2200
800	820	1800	1350	2200
1000	820	1800	1350	2200
1250	820	1900	1500	2200
1600	820	1900	1500	2200
2000	1070	2100	1600	2200

6/10kV Dry-Type Transformer - SCB10 - Weight & Dimensions (Part 2)

Off-circuit and on-load regulating dry-type transformer range

kVA	Gauge mm	L mm	W mm	H mm
2500	1070	2100	1600	2200
1600	820	1900	1500	2200
2000	1070	2100	1600	2200
2500	1070	2100	1600	2200

6/10kV Dry-Type Transformer - SGB10 - Electrical Data (Part 1)

Off-circuit and on-load regulating dry-type transformer range

kVA	HV (kV)	Tapping	LV (kV)	Vector	P0 W	Pk-B W	Pk-F W	Pk-H W	I0 %	Uk %
30	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	205	740	780	830	2.3	4
50	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	285	1060	1120	1200	2.2	4
80	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	380	1460	1550	1660	1.7	4
100	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	410	1700	1800	1930	1.7	4
125	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	470	1980	2100	2250	1.5	4
160	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	550	2250	2450	2620	1.5	4
200	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	650	2700	2850	3050	1.3	4
250	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	740	3060	3250	3480	1.3	4
315	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	880	3650	3900	4180	1.1	4
400	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1000	4340	4600	4900	1.1	4
500	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1180	5160	5470	5850	1.1	4
630	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1350	6150	6500	6950	0.9	4
630	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1300	6300	6700	7170	0.9	4
800	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1540	7360	7800	8350	0.9	4
1000	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1750	8730	9250	9900	0.9	4
1250	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	2030	10400	11000	11800	0.9	4



kVA	HV (kV)	Tapping	LV (kV)	Vector	P0 W	Pk-B W	Pk-F W	Pk-H W	I0 %	Uk %
1600	6/6.3/6.6/10/10.5/ 11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	2700	12700	13500	14400	0.9	6

6/10kV Dry-Type Transformer - SGB10 - Electrical Data (Part 2)

Off-circuit and on-load regulating dry-type transformer range

kVA	HV (kV)	Tapping	LV (kV)	Vector	P0 W	Pk-B W	Pk-F W	Pk-H W	I0 %	Uk %
2000	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	3000	15300	16200	17400	0.7	6
2500	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	3500	18400	19500	20800	0.7	8
1600	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	2700	13700	14500	15500	0.9	6
2000	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	3000	16700	17700	19000	0.7	6
2500	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	3500	19800	21000	22500	0.7	8

P0: no-load loss. Pk-B/F/H: load loss at 100°C / 120°C / 145°C.

6/10kV Dry-Type Transformer - SGB10 - Weight & Dimensions (Part 1)

Off-circuit and on-load regulating dry-type transformer range

kVA	Gauge mm	L mm	W mm	H mm
30	300	1200	1100	1800
50	300	1300	1100	1800
80	550	1400	1150	1800
100	550	1500	1150	1800
125	550	1600	1150	1800
160	550	1600	1150	1800
200	550	1600	1150	1800
250	660	1600	1200	1800
315	660	1700	1250	1800
400	660	1700	1250	1800
500	660	1700	1250	2200
630	660	1700	1250	2200
630	820	1700	1250	2200
800	820	1800	1350	2200
1000	820	1800	1350	2200
1250	820	1900	1500	2200
1600	820	1900	1500	2200
2000	1070	2100	1600	2200

6/10kV Dry-Type Transformer - SGB10 - Weight & Dimensions (Part 2)

Off-circuit and on-load regulating dry-type transformer range

kVA	Gauge mm	L mm	W mm	H mm
2500	1070	2100	1600	2200
1600	820	1900	1500	2200
2000	1070	2100	1600	2200
2500	1070	2100	1600	2200

6/10kV Dry-Type Transformer - Electrical Data (Part 1)

Dry-type transformer electrical data

kVA	HV (kV)	Tapping	LV (kV)	Vector	P0 W	Pk-B W	Pk-F W	Pk-H W	I0 %	Uk %
630	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	3/3.15/6/6.3	Dyn11 / Yd11 / Yyn0	1600	6300	6700	7150	1.2	6
800	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	3/3.15/6/6.3	Dyn11 / Yd11 / Yyn0	1800	7400	8000	8400	1.2	6
1000	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	3/3.15/6/6.3	Dyn11 / Yd11 / Yyn0	2160	8730	9250	9900	1	6
1250	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	3/3.15/6/6.3	Dyn11 / Yd11 / Yyn0	2600	10400	11000	11700	1	6
1600	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	3/3.15/6/6.3	Dyn11 / Yd11 / Yyn0	3100	12600	13400	14300	1	6
2000	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	3/3.15/6/6.3	Dyn11 / Yd11 / Yyn0	4000	15100	16000	17050	0.8	6
2500	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	3/3.15/6/6.3	Dyn11 / Yd11 / Yyn0	4700	17700	18800	20100	0.8	6
3150	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	3/3.15/6/6.3	Dyn11 / Yd11 / Yyn0	5600	20800	22000	23500	0.7	6
4000	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	3/3.15/6/6.3	Dyn11 / Yd11 / Yyn0	6700	25000	26500	28300	0.7	7
5000	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	3/3.15/6/6.3	Dyn11 / Yd11 / Yyn0	8000	29500	31300	33500	0.6	7
6300	6/6.3/6.6/10/10.5/11	±5% / ±2×2.5%	3/3.15/6/6.3	Dyn11 / Yd11 / Yyn0	9450	35100	37200	39800	0.6	7

P0: no-load loss. Pk-B/F/H: load loss at 100°C / 120°C / 145°C.

6/10kV Dry-Type Transformer - Electrical Data (Part 2)

Dry-type transformer electrical data

kVA	HV (kV)	Tapping	LV (kV)	Vector	P0 W	Pk-B W	Pk-F W	Pk-H W	I0 %	Uk %
315	6/6.3/6.6/10/10.5/11	±4×2.5%	0.4	Dyn11 / Yyn0	1100	3600	3800	4100	1.4	4
400	6/6.3/6.6/10/10.5/11	±4×2.5%	0.4	Dyn11 / Yyn0	1250	4250	4500	4800	1.4	4
500	6/6.3/6.6/10/10.5/11	±4×2.5%	0.4	Dyn11 / Yyn0	1440	5150	5500	5850	1.4	4
630	6/6.3/6.6/10/10.5/11	±4×2.5%	0.4	Dyn11 / Yyn0	1660	6100	6500	6950	1.2	4
630	6/6.3/6.6/10/10.5/11	±4×2.5%	0.4	Dyn11 / Yyn0	1600	6250	6700	7100	1.2	4
800	6/6.3/6.6/10/10.5/11	±4×2.5%	0.4	Dyn11 / Yyn0	1900	7400	7900	8400	1.2	6
1000	6/6.3/6.6/10/10.5/11	±4×2.5%	0.4	Dyn11 / Yyn0	2200	8700	9250	9900	1	6
1250	6/6.3/6.6/10/10.5/11	±4×2.5%	0.4	Dyn11 / Yyn0	2600	10400	11000	11800	1	6
1600	6/6.3/6.6/10/10.5/11	±4×2.5%	0.4	Dyn11 / Yyn0	3030	12300	13100	14000	1	6
2000	6/6.3/6.6/10/10.5/11	±4×2.5%	0.4	Dyn11 / Yyn0	3800	15100	16000	17100	0.8	6
2500	6/6.3/6.6/10/10.5/11	±4×2.5%	0.4	Dyn11 / Yyn0	4400	18000	19100	20400	0.8	6

P0: no-load loss. Pk-B/F/H: load loss at 100°C / 120°C / 145°C.

20kV Dry-Type Transformer - Electrical Data

Dry-type transformer electrical data

kVA	HV (kV)	Tapping	LV (kV)	Vector	P0 W	Pk-B W	Pk-F W	Pk-H W	I0 %	Uk %
50	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	380	1230	1300	1390	2.4	6
100	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	600	1980	2100	2250	2.2	6
160	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	750	2470	2600	2800	1.8	6
200	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	820	2950	3100	3310	1.8	6
250	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	940	3440	3600	3910	1.6	6
315	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1080	4100	4300	4600	1.6	6
400	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1280	4900	5100	5460	1.4	6
500	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1500	5800	6100	6500	1.4	6
630	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1700	6880	7200	7750	1.2	6
800	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1950	8230	8700	9300	1.2	6
1000	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	2300	9720	10300	11000	1	6
1250	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	2650	11500	12150	13000	1	6
1600	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	3100	13780	14600	15650	1	6
2000	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	3600	16300	17250	18500	0.8	6
2500	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	4300	19350	20400	21800	0.8	6
2000	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	3600	17800	18800	20000	0.8	8
2500	20/22/24	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	4300	21300	22400	23900	0.8	8

P0: no-load loss. Pk-B/F/H: load loss at 100°C / 120°C / 145°C.

35kV Dry-Type Transformer - Electrical Data (Part 1)

Dry-type transformer electrical data

kVA	HV (kV)	Tapping	LV (kV)	Vector	P0 W	Pk-B W	Pk-F W	Pk-H W	I0 %	Uk %
50	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	500	1420	1500	1600	2.8	6
100	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	700	2080	2200	2350	2.4	6
160	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	880	2790	2960	3170	1.8	6
200	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	980	3300	3500	3750	1.8	6
250	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1100	3750	4000	4280	1.6	6
315	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1310	4480	4750	5080	1.6	6
400	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1530	5360	5700	6080	1.4	6
500	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	1800	6570	7000	7450	1.4	6
630	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	2070	7650	8100	8700	1.2	6
800	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	2400	9000	9600	10250	1.2	6
1000	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	2700	10400	11000	11800	1	6
1250	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	3150	12700	13400	14300	0.9	6
1600	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	3600	15400	16300	17400	0.9	6
2000	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	4250	18100	19200	20500	0.9	6
2500	35-38.5	±5% / ±2×2.5%	0.4	Dyn11 / Yyn0	4850	21700	23000	24600	0.8	6

P0: no-load loss. Pk-B/F/H: load loss at 100°C / 120°C / 145°C.

35kV Dry-Type Transformer - Electrical Data (Part 2)

Dry-type transformer electrical data

kVA	HV (kV)	Tapping	LV (kV)	Vector	P0 W	Pk-B W	Pk-F W	Pk-H W	I0 %	Uk %
800	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Yyn0	2500	9400	9900	10600	1.1	6
1000	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Yyn0	2970	10800	11500	12300	1.1	6
1250	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Yyn0	3480	12800	13600	14500	1	6
1600	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Yyn0	4100	15400	16300	17400	1	6
2000	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Yyn0	4700	18100	19200	20600	0.9	7
2500	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Yyn0	5400	21700	23000	24600	0.9	7
3150	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Yyn0	6700	24300	25800	27500	0.8	8
4000	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Yyn0	7800	29400	31000	33000	0.8	8
5000	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Yyn0	9300	34700	36800	39300	0.7	8
6300	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Yyn0	11000	40500	43000	45900	0.7	8
8000	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Ynd11	12600	45700	48500	51900	0.6	9
10000	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Ynd11	14400	55500	58500	62600	0.6	9
12500	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Ynd11	17500	64000	68000	72700	0.5	9
16000	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Ynd11	21500	75600	80000	84800	0.5	9
20000	35-38.5	±5% / ±2×2.5%	3.15/6/6.3/10 /10.5/11	Dyn11 / Yd11 / Ynd11	25500	85000	90000	96300	0.4	10

P0: no-load loss. Pk-B/F/H: load loss at 100°C / 120°C / 145°C.

SCBH15 Amorphous-Alloy Dry-Type - Electrical Data (Part 1)

Dry-type transformer electrical data

Low no-load loss, non-flammable dry-type distribution transformer

kVA	HV (kV)	Tapping	LV (kV)	Vector	P0 W	Pk-B W	Pk-F W	Pk-H W	IO %	Uk %
100	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	130	1480	1570	1690	1.2	4
125	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	150	1740	1850	1980	1.1	4
160	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	170	2000	2130	2280	1.1	4
200	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	200	2370	2530	2710	1	4
250	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	230	2590	2760	2960	1	4
315	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	280	3270	3470	3730	0.9	4
400	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	310	3750	3990	4280	0.8	4
500	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	360	4590	4880	5230	0.8	4
630	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	420	5530	5880	6290	0.7	4
630	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	410	5810	5860	6400	0.7	6
800	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	480	6550	6960	7460	0.7	6
1000	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	550	7650	8130	8760	0.6	6
1250	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	650	9100	9690	10370	0.6	6
1600	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	760	11050	11730	12580	0.6	6
2000	6/6.3/6.6/10/10.5/11	±5% / 2×2.5%	0.4	Dyn11	1000	13600	14450	15560	0.5	6



kVA	HV (kV)	Tapping	LV (kV)	Vector	P0 W	Pk-B W	Pk-F W	Pk-H W	I0 %	Uk %
2500	6/6.3/6.6/10/10.5/ 11	±5% / 2×2.5%	0.4	Dyn11	1200	16150	17170	18450	0.5	6

P0: no-load loss. Pk-B/F/H: load loss at 100°C / 120°C / 145°C.

Project-Specific Engineering

Transformer selection is confirmed against the project electrical system and installation conditions.

01 System Data

Rated capacity, primary/secondary voltage, frequency and system grounding

02 Electrical Configuration

Tapping range, vector group, impedance and loss requirements

03 Installation

Indoor/outdoor location, altitude, ambient temperature and enclosure requirements

04 Accessories

Protection, monitoring, cooling, terminals and project-specific interfaces

Send your technical schedule for final selection and quotation.