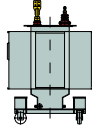


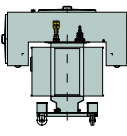
# Transformers, First Class

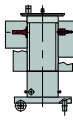
## Technical Data / Specifications

### OIL IMMERSED DISTRIBUTION TRANSFORMERS

#### 11/0.433 kV Dyn11 50Hz (Um12/1.1kV)

Outline	Rated power kVA	Type	ID No.	P <sub>0</sub> w	P <sub>k</sub> w	U <sub>k</sub> %	Sound pressure dB(A)	Weights		Dimensions in mm		
								Total	Oil	L	W	H
								ca. Kg	ca. Kg			
 <b>Open Bushing</b>	50	DOTE 50/10	1070	140	880	4.00	43	570	140	900	680	1100
	100	DOTW 100/10	1011	300	1500	4.75	43	660	150	945	620	1185
	300	DOTW 315/10	2007	600	2800	4.75	46	1290	260	1190	760	1261
	500	DOTW 500/10	2008	1000	4100	4.75	47	1700	330	1500	770	1410
	750	DOTW 800/10	1007	1200	6000	4.75	48	2450	540	1690	925	1620
	1000	DOTW 1000/10	2010	1400	7000	4.75	49	3070	620	1730	910	1675

 <b>Cable Box</b>	1000	DOTE 1000/10	1723	1700	10500	6.00	49	2800	580	1930	2140	1930
	1250	DOTE 1250/10	1022	2000	13500	6.00	52	3450	700	2010	2140	2040
	1500	DOTE 1500/10	1018	2200	17000	6.00	52	3900	860	2010	2140	2120
	1600	DOTE 1600/10	1021	2200	17000	6.00	52	4200	870	2060	2190	2130
	2000	DOTW 2000/10	1061	2000	20000	6.00	53	5120	990	1980	2120	2370
	2500	DOTE 2500/10	1020	3200	26500	6.00	57	6300	1380	2320	2470	2590
	3000	DOTE 3000/10	1115	3200	26500	6.00	57	6500	1500	2400	2350	2600

 <b>Side Bushings</b>	300	DOTW 300/10	1132	360	3900	4.75	46	1350	260	1300	1600	1400
	500	DOTW 500/10	1133	510	5500	4.75	47	1900	350	1700	1650	1550
	800	DOTW 800/100	1134	780	7700	4.75	48	2550	550	1900	1750	1650
	1000	DOTW 1000/10	1135	925	9000	4.75	49	3150	650	2000	1900	1750
	1500	DOTE 1500/10	1136	1200	1400	5.5	52	4200	900	2200	1900	1900

Temperature rise 60° / 65°C. All given sound levels are max. values, i. e. sound pressure levels including 3dB(A) tol. Sound pressure level measuring distance 1 m, above 1 600 kVA 3 m.

P<sub>0</sub> : No-Load Loss      P<sub>k</sub> : Load Loss      U<sub>k</sub> : Impedance

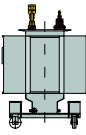
*The above ratings are a selection from our wide range of transformer designs. Differing ratings and cable box designs, as well as conservator type transformers are available upon request.*


**Note:** *In the interest of technical progress the above specifications are subject to change without prior notice.*

# Technical Data / Specifications

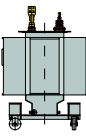
## OIL IMMERSED DISTRIBUTION TRANSFORMERS

### 22/0.433 kV Dyn11 50Hz (Um24/1.1kV)

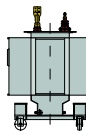
Outline	Rated power kVA	Type	ID No.	P <sub>o</sub> w	P <sub>k</sub> w	U <sub>k</sub> %	Sound pressure dB(A)	Weights		Dimensions in mm		
								Total	Oil	L	W	H
								ca. Kg	ca. Kg			
 <b>Open Bushing</b>	100	DOTW 100/20	2011	240	1600	5.0	43	640	160	1140	650	1205
	300	DOTW 315/20	2012	700	4400	5.0	46	1100	250	1410	780	1365
	500	DOTW 500/20	2013	900	7300	5.0	47	1530	340	1630	940	1521
	750	DOTW 800/20	2014	1200	9200	5.0	48	2020	450	1840	1090	1646
	1000	DOTW 1000/20	2015	1500	11700	5.0	49	2800	650	1890	1110	1710

 <b>Cable Box</b>	1500	DOT 1600/20	1081	2600	17000	6.0	52	4200	960	2110	2220	2140
	2000	DOT 2000/20	1082	2000	20000	6.0	56	5300	1000	2150	2220	2390
	2500	DOT 2500/20	100886	3200	26500	6.0	63	6550	1300	2500	2400	2700
	3000	DOT 3000/20	100887	3000	32000	6.0	65	6900	1400	2500	2600	2800

### 33/0.433 kV Dyn11 50Hz (Um36/1.1kV)

Outline	Rated power kVA	Type	ID No.	P <sub>o</sub> w	P <sub>k</sub> w	U <sub>k</sub> %	Sound pressure dB(A)	Weights		Dimensions in mm		
								Total	Oil	L	W	H
								ca. Kg	ca. Kg			
 <b>Open Bushing</b>	100	DOT 100/30	980651	260	2000	4.0	42	900	270	1110	740	1530
	160	DOT 160/30	980652	430	2400	4.0	44	1150	310	1160	750	1620
	250	DOT 250/30	980653	570	3450	4.0	46	1420	370	1200	790	1700
	400	DOT 400/30	980654	700	5500	6.0	48	1720	450	1320	910	1660
	630	DOT 630/30	980655	1000	7000	6.0	50	2160	530	1390	950	1750
	1000	DOT 1000/30	79664	1400	12000	6.0	52	3020	720	1870	1090	1960

### 34.5/0.480 kV Dyn11 60Hz (Um36/1.1kV)

Outline	Rated power kVA	Type	ID No.	P <sub>o</sub> w	P <sub>k</sub> w	U <sub>k</sub> %	Sound pressure dB(A)	Weights		Dimensions in mm		
								Total	Oil	L	W	H
								ca. Kg	ca. Kg			
 <b>Open Bushing</b>	1600	DOT 1600/30	101604	2600	16000	6.0	57	4100	1050	2000	1300	2300
	2000	DOT 2000/30	101603	3000	19000	6.0	60	4800	1150	2200	1400	2400
	2500	DOT 2500/30	101602	3500	25000	6.0	62	5800	1400	2300	1500	2400
	3000	DOT 3000/30	101601	3600	26500	6.5	63	6500	1500	2400	1500	2500

*The above ratings are a selection from our wide range of transformer designs. Differing ratings and cable box designs, as well as conservator type transformers are available upon request.*

**Note:** *In the interest of technical progress the above specifications are subject to change without prior notice.*