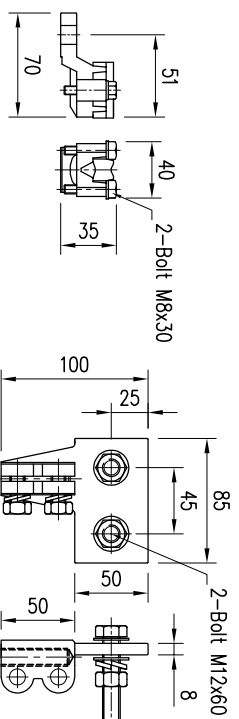
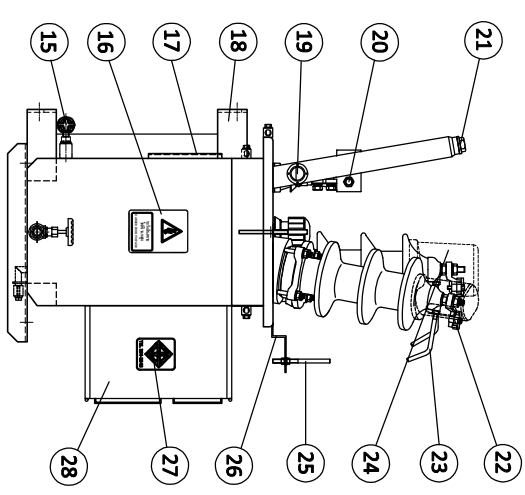
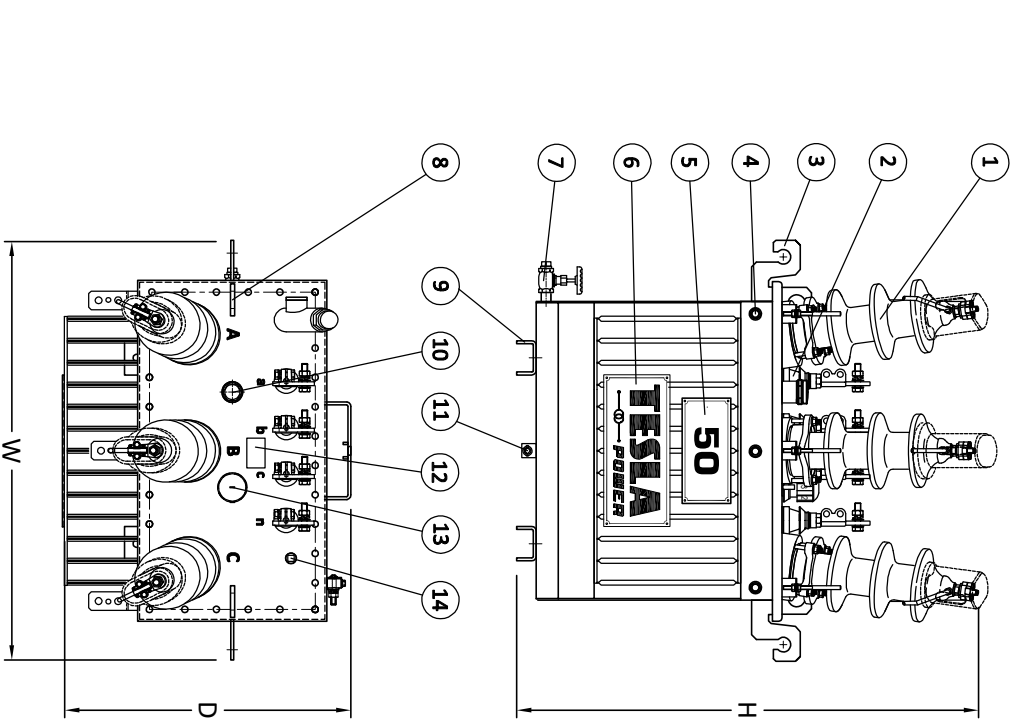


Technical Data of LOW/PD Oil-immersed Transformer Hermetically Sealed Type	
Model (ordering code)	: OTCC035-22K-0050K-H
Reference standard	: IEC 60076, TIS 384-2543
Ratings	
Rated power	: 50 (kVA)
Number of phases	: 3 (Ø)
Rated frequency	: 50 (Hz)
Rated primary voltage (± 2x2.5%)	: 22000 (V)
Rated secondary voltage	: 416 / 240 (V)
Rated primary current	: 1.31 (A)
Rated secondary current	: 69.4 (A)
Insulation class	: A (105) (°C)
Connection symbol	: Dyn11
Service conditions and installation	
Ambient air temperature	: ≤ 50 (°C)
Altitude (above sea level)	: ≤ 1000 (m)
Type of cooling	: ONAN
Installation method	: Outdoor
Performance of transformer at 75°C	
No load loss	: ≤ 110 (W)
Load loss	: ≤ 875 (W)
Short-circuit impedance	: 4.0 (%)
Efficiency at 50% of rated power (P.F. = 1.0)	: 98.43 (%)
Efficiency at 100% of rated power (P.F. = 1.0)	: 98.07 (%)
Voltage regulation at full load (P.F. = 1.0)	: 1.75 (%)
Sound level	: 48 (dB(A))
Max. Temperature rise of top oil at full load	: 50 (K)
Max. Temperature rise of winding at full load	: 55 (K)
Material of winding conductor	: Copper
Type of insulating liquid	: Mineral oil
Routine tests	
Measurement of insulation resistance	
Measurement of winding resistance (IEC 60076-1)	
Measurement of voltage ratio and check of phase displacement (IEC 60076-1)	
Measurement of no-load loss and no-load current (IEC 60076-1)	
Measurement of load loss (IEC 60076-1)	
Measurement of short-circuit impedance (IEC 60076-1)	
Induced overvoltage withstand test (IEC 60076-1 and IEC 60076-3)	
Applied voltage test (IEC 60076-1 and IEC 60076-3)	
Oil dielectric Breakdown voltage test (IEC 60156)	
Physical leakage test (with overpressure 5 psi)	
Type tests	
Partial Discharge (PD) test (IEC 60076-3)	
Full wave lightning impulse test (IEC 60076-1 and IEC 60076-3)	
Temperature-rise test (IEC 60076-2)	



No.	Description	No.	Description
1	High voltage bushing	15	Earthing terminal
2	Low voltage bushing	16	Danger high voltage sign
3	Lifting lugs	17	Nameplate
4	Earthing terminal for surge arrester	18	Support lugs (spacing 400 mm.)
5	Capacity sign	19	Oil level gauge
6	Trade mark sign	20	Low voltage terminal connectors
7	Oil drain valve	21	Oil filling plug
8	Lifting eyes	22	High voltage terminal connectors
9	Foundations of transformer	23	Arching horn
10	Pressure relief valve	24	Bird guard cap
11	Sludge drain plug	25	Earthing terminal for arching horn
12	Instruction for tap changer	26	Bracket for surge arrester
13	Off-load tap changer	27	TIS 384-2543 sign
14	Thermometer pocket	28	Corrugated radiator

Approximate overall dimensions, oil quantity and weight			
W (mm)	D (mm)	H (mm)	Total weight (kg)
875	605	945	345



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