PAUWELS
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V. TECHNICAL CHARACTERISTICS

1. GENERAL

Standard(s)	: BS 171
Type denomination	:TSC
Cooling medium	:Mineral oil.
Temperature rise	: 60 K oil top 65 K coils (by resistance method)

Permitted load according to "Loading Guide" IEC354

2. ELECTRICAL

Nominal power	: 800 kVA	
Number of phases	: 3	
Frequency	: 50 Hz	
Nominal voltages (U_{nom})	: HV_1 20000 V± 2,5 %±%± 5%	
	LV_1 660 V	
Nominal currents (I_{nom})	HV_1	23,09 A
	LV_1	700 A
Connection symbol	: HV :delta LV :star	
Connection	:Dyn11	
No-load loss	: (Po) 1050 W(tol.+15 %)	
Load loss (at 75 °C)	: (Pk) 8500 W(tol.+ 15 %) by 20000/660 V	800 kVA
Impedance voltage (at 75 °C)	: (Uk) 5,8 %(tol.± 10 %) by 20000/660 V	800 kVA

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Nominal voltage stand Un (eff) (kV)	Highest voltage for the material Um (eff) (kV)	Rated voltage withstand network frequency (eff) (kV)	Impulse voltage with- (peak) (kV)
20	24	50	125
0,66	1,1	3	–

3. MECHANICAL

3.1. DIMENSIONS

Length : 1845 mm

Width : 990 mm

Height : 1680 mm

3.2. WEIGHT

Removable part :1370 kg

Cooling medium : 665 kg

Total : 2530 kg

VI. GENERAL DESCRIPTION

1. HV CONTROL

Operate tapping switch when not energised.

ASP No. 01–20825 / 24 kV / 30 A / 5 pos.

2. MATERIAL

HV	Cu - Ø
LV	Cu - Foil

3. TANK

3.1. CORRUGATED WALLS.

- Corrugated walls - conservator : cold rolled steel plate ST 12.03 according to DIN 1623.
- Cover - bottom - straight walls hot rolled steel plate A360C according to NBN A21-101.
- Design of the tank : Made up of three major components
  . a base
  . a lid welden or screwed onto a frame.
  . Corrugated walls welded between base and top-frame to create a completely oil-tight tank.

VI. GENERAL DESCRIPTION

4. FINISH

Standard painting –– >See PK 6750 (in section IX : documentation) – finish colour RAL 7033 (see Chart 6.1.)

	Colour RAL	Width µm	Tank	Cover	If present: Expansion chamber	If present: Cable cubicles
Sandblast	Sa 2½	–	x	x	x	x
1st coat	green	30	x	x	x	x
2nd coat	green	30	x	x	x	x
1st final coat	7033	40	x	x	x	x

Chart 6.1. Standard painting –– > PK 6750 – finishing colour RAL 7033