

9- Three – Phase distribution transformer:

9.1- GENERAL

Three – Phase distribution transformers, completely filled, hermetically sealed, immersed in mineral oil, featuring ONAN natural cooling, for continuous service both indoor and outdoor.



9.2- STANDARD EQUIPMENT

HV bushings:

- 3 bushings
can be plugged –in, fixed parts 24/250 on the 24kV series.

LV bushings:

- 4 LV seal – off bushings
Sn = 250kVA,
- 4 multi-directional roller bearings
- 1 filling hole,
- 1 draining stopper
- 2 lifting and untanking rings
- 2 earthing points on the lid,
- 1 name and rating plate that can be moved and positioned on all 4 sides.
- RAL 7033 color shade, standard point

9.3- OPTIONAL EQUIPMENT

HV bushings:

- 3 plug-in bushings, for straight or bracket mobile parts corresponding to the fixed parts. In this case it is imperative to give the cable characteristics (nature, cross-section, diameter on insulator).

LV bushings:

- 4 protection LV seal-off bushings for Sn=25kVA.
- 1 interlocking system for the plug-in bushings and the changeover switch, lock is not supplied,
- 1 sealable protection cover on the LV seal-off bushings (only in the case of plug-in HVA bushings),

1 collar for LV connection by wiring sheath to: thermometer, thermostat. Gas detection relay, multi-function safety relay (DGPT2), etc.

9.4- RATED VOLTAGES

- HV: FROM 5.5 TO 33kV

Preferential voltages:

30-20-15-10-5.5Kv,

and double voltage applications, 10/20kV and 15/20kV (by change-over switches that be operated de-energized, without untanking).

- LV: 410V at no-load between
Phase 237V between phase and neutral.

Rated Power	Rated Short circuit voltage	Load loses	No-Load loses	Short circuit current	Sound power (sound pressure (1m))	weight
kVA	%	W	W	A	dB	Kg
50	4	1350	145	1760	50	500
100	4	2150	210	3521	49	505
160	4	3100	375	5633	62	610
250	4	3250	650	8801	65	880
400	4	4600	930	14802	68	1100
630	4	6500	1300	22179	70	1525
800	6	10700	1220	18776	67	2070
1000	6	13000	1470	26470	68	2320
1250	6	16000	1800	29338	70	2535
1600	6	20000	2300	37552	71	3275
2000	6	25500	2750	46940	74	3540
2500	6	32000	3350	59676	76	4370
3150	4	31000	3700	63370	78	6010

- Other Dimension and Rating Available