

UNITRAFO

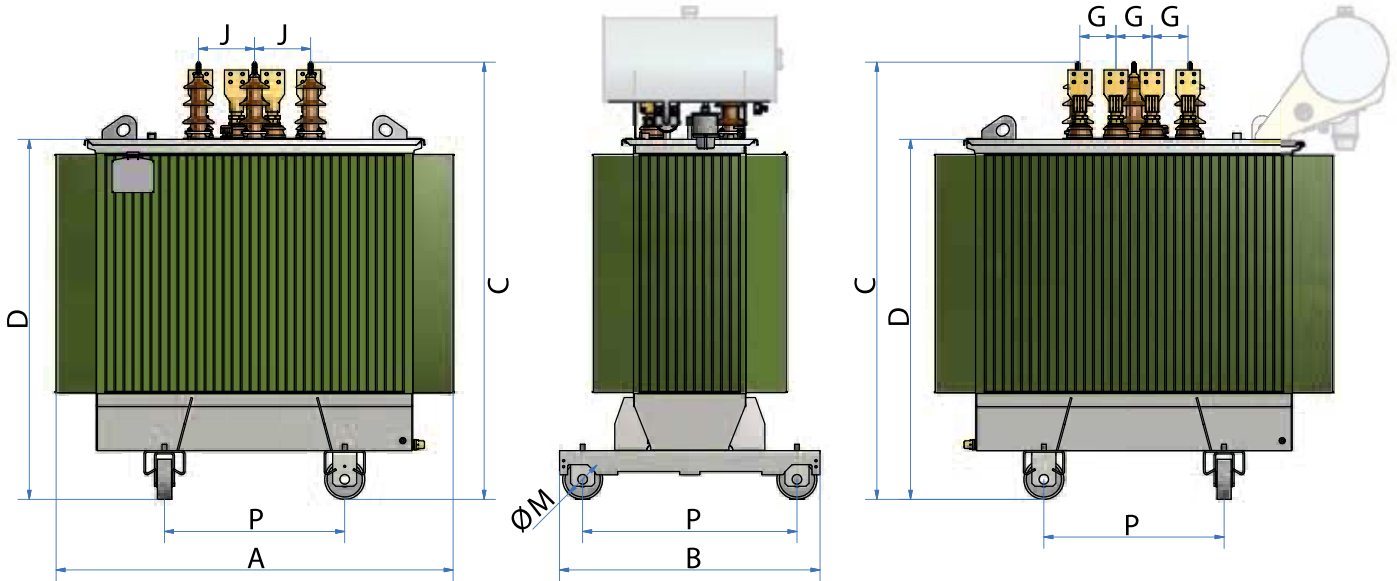
POWER QUALITY – SAFE ENVIRONMENT

Oil-immersed Transformers

Ecodesign² Tier 2

Voltage Class 24 kV

Standards	IEC EN 60076 – IEC EN 50588 – EU 548/2014
Insulating Class (Temperature Rise)	A (60/65 K)
Insulation Class MV	24 kV FI 50 kV BIL 125 kV
Insulation Class LV	1,1 kV FI 3 kV
Frequency	50 Hz
Tappings MV	± 4% or ± 2 x 2,5%
Tolerance	No tolerance on the losses



Hermetically sealed – conservator on request

Power kVA	P ₀ [*] W		P _k [*] W		U _k [*] %	LwA dB(A)	Total Kg	Oil Kg	A mm	B mm	C mm	D mm	M mm	P mm	J mm	G mm
100	A ₀ -10%	130	C _K	1250	4	40	1060	220	1030	800	1410	1030	125	520	280	90
160	A ₀ -10%	189	C _K	1750	4	43	1320	260	1150	810	1440	1060	125	520	280	90
200	A ₀ -10%	225	C _K	2016	4	43	1520	290	1220	820	1480	1100	125	520	280	150
250	A ₀ -10%	270	C _K	2350	4	46	1600	300	1150	820	1560	1180	125	520	280	150
315	A ₀ -10%	324	C _K	2800	4	48	1900	360	1250	900	1670	1290	125	670	280	150
400	A ₀ -10%	387	C _K	3250	4	49	2120	390	1290	920	1670	1290	125	670	280	150
500	A ₀ -10%	459	C _K	3900	4	50	2520	440	1370	930	1710	1330	125	670	280	150
630	A ₀ -10%	540	C _K	4600	4	51	2990	490	1410	940	1840	1460	125	670	280	150
630	A ₀ -10%	540	C _K	4600	6	51	2830	510	1490	960	1710	1330	125	670	280	150
800	A ₀ -10%	585	C _K	6000	6	52	3220	560	1490	960	1860	1480	125	670	280	150
1000	A ₀ -10%	693	C _K	7600	6	54	3660	620	1490	1080	1950	1570	160	820	280	150
1250	A ₀ -10%	855	B _K	9500	6	55	3970	680	1530	1100	1990	1610	160	820	280	150
1600	A ₀ -10%	1080	B _K	12000	6	57	4590	810	1560	1210	2100	1720	160	820	280	180
2000	A ₀ -10%	1305	B _K	15000	6	59	5210	900	1940	1340	2140	1760	200	1070	280	180
2500	A ₀ -10%	1575	B _K	18500	6	62	6340	1240	2000	1340	2340	1940	200	1070	280	220
3150	A ₀ -10%	1980	B _K	23000	6	63	8200	1590	2190	1410	2400	2000	200	1070	280	220

* Data referred to 75°C at rated voltage

Po = Non load losses | Pk = Load losses | Ptot (Po+Pk) = Total losses

N.B. Dimensions and weights are preliminary and will be confirmed upon order

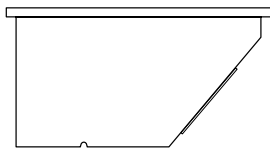
Standard equipment

- MV regulation tapplings $\pm 2 \times 2,5\%$ wired to off-circuit tap changing switch with external operating handle
- Primary bushings, porcelain (3 pcs) DIN 42531
- Secondary porcelain bushings (4 pcs) line terminals plus Neutral bushing DIN 42530
- Oil drain valve A22
- Bi-directional floor rollers (removable)
- Lugs/eyebolts for lifting and movement
- Earthing terminals, type M12
- Ratingplates (2 pcs) in accordance with IEC 60076 (whereof one unmounted)
- Thermometer pocket, type DIN 42554
- Oil filler cap
- Standard testing with relevant test certificate
- Documentation as digital files

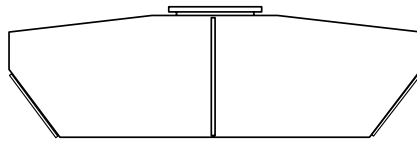
Options

Optional we can adapt our transformers for your special needs. Please contact us for more information.

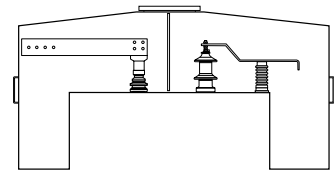
- Pressure relay QUALITROL with 2 contacts
- Oil temperature indicator with two electrical contacts
- Expansion tank
- Buchholz relay
- Drying device
- Elastimold connections
- Protected housings in coated steel – color: RAL 7031
- Marshalling box
- Windings in copper
- Alternative temperature risings and classes
- Double primary- or secondary voltage
- Alternative frequencies
- Low mounted secondary bushings
- Vector group on demand



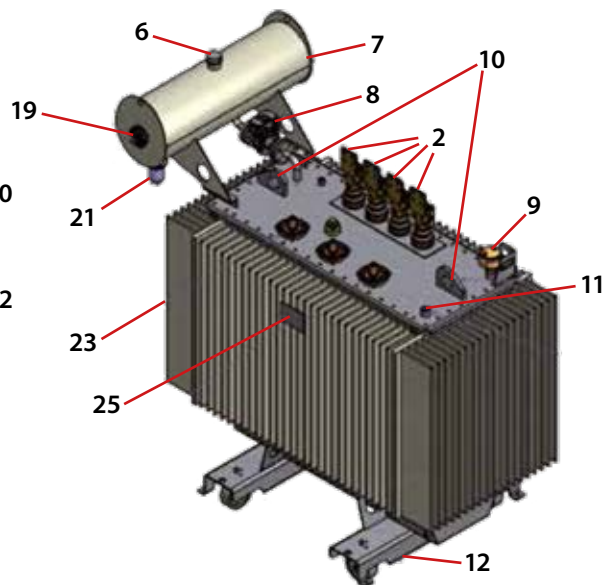
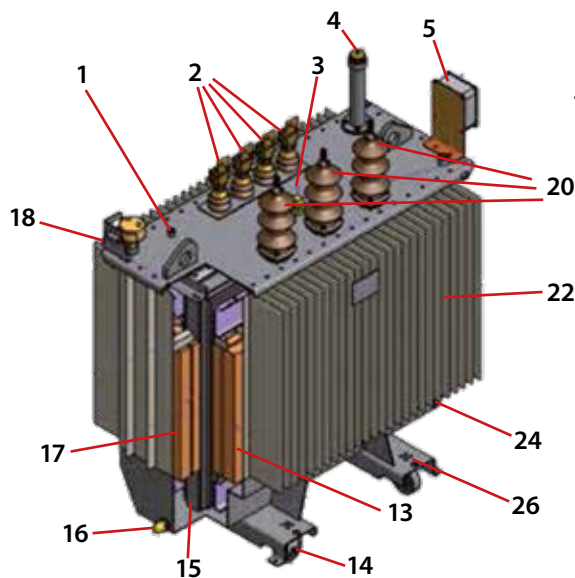
Protected housing with connections on primary or secondary side.



Protected housing with connections on primary and secondary side.



Protected housing with internal rails.



- 1 Earthing terminals
- 2 Low Voltage Bushings
- 3 Off load tap changer
- 4 Filling pipe with antibrust valve
- 5 Marshalling Box
- 6 Filling tap*
- 7 Conservator*
- 8 Buchholz relay*
- 9 Thermometer with two electric contacts (on request)

- 10 Lifting eyebolts
- 11 Thermometer pocket
- 12 Truck
- 13 Medium Voltage Windings
- 14 Swivelling rollers
- 15 Magnetic Core
- 16 Oil discharge and extraction valve
- 17 Low Voltage Windings
- 18 Protection shield (on request)

- 19 Oil level indicator*
- 20 Medium Voltage Bushings
- 21 Silica gel connection*
- 22 Tank with waves
- 23 Plug-in connectors (upon request)
- 24 Earthing point on tank
- 25 Name plate
- 26 Movement eyebolts

* Not on hermetically sealed transformers