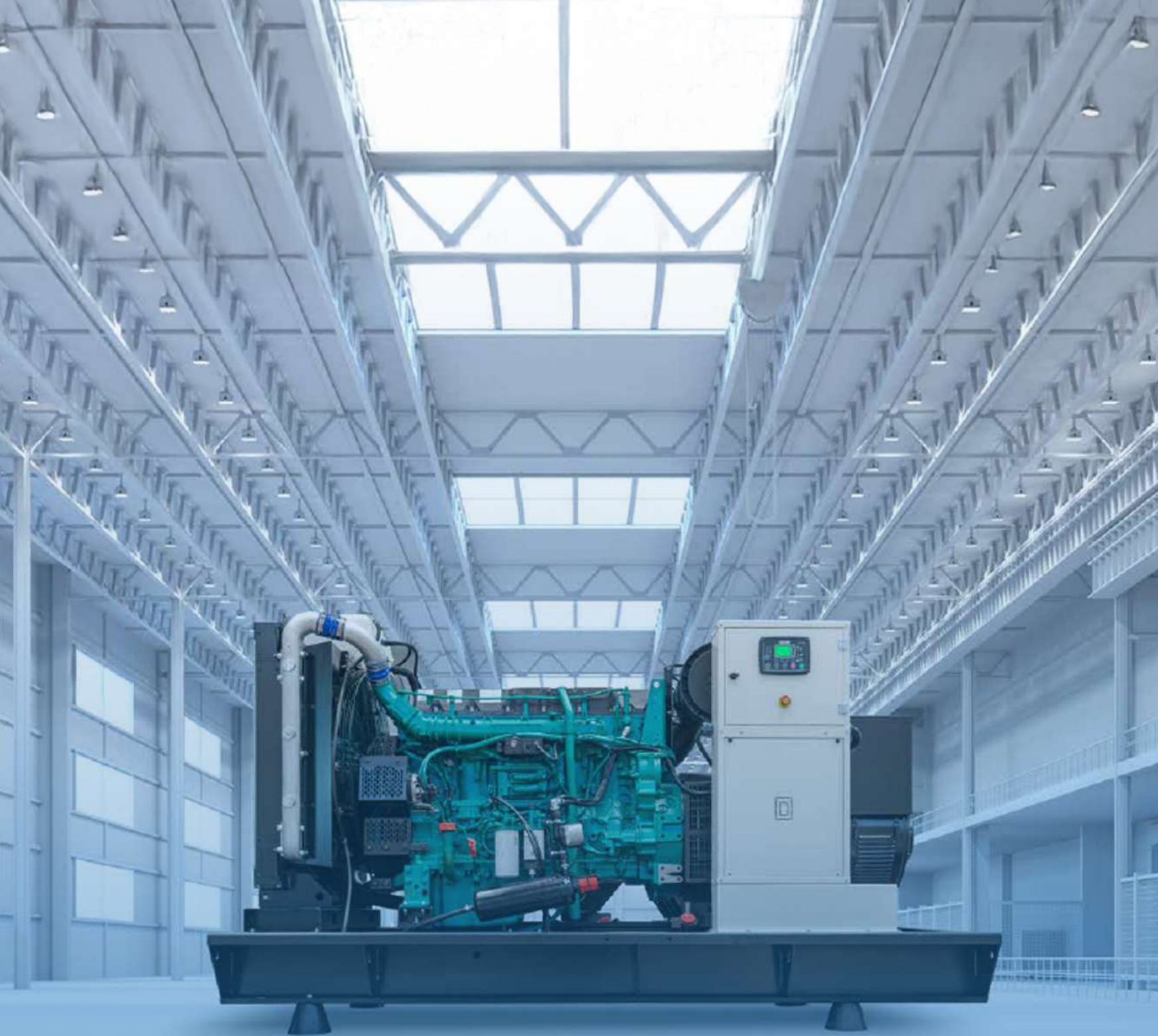




2025
ProductCatalog

www.faradaygroups.com

Transformer / Generator Group



Discover
Faraday in Energy.

About Us

Founded in 1981, Faraday Group has been committed to delivering high-quality, durable, and innovative solutions since its inception. With the strength of local production, our company stands by its customers, combining modern technology with a strong engineering foundation to offer efficiency-enhancing solutions.

Our product range includes high-performance vehicles, precision processing systems, a wide variety of equipment, and advanced machinery. All our products are designed to meet user needs in the best possible way and are manufactured in accordance with international quality standards.

At Faraday Group, our vision is to be a reliable and innovative brand that shapes the future and supports sustainable solutions. We are proud to serve clients all across Turkey and to represent our country successfully on a global scale.

Faraday Group — Since 1981, the Name of Trust and Quality

EN

TR

1981 yılında kurulan Faraday Grup, kuruluşundan bu yana kaliteli, dayanıklı ve yenilikçi üretim anlayışıyla faaliyet göstermektedir. Yerli üretim gücüyle daima kullanıcılarının yanında olan firmamız, modern teknolojiyi güçlü mühendislik altyapısıyla birleştirerek verimliliği artıran çözümler sunmaktadır.

Ürün yelpazemizde yüksek performanslı araçlardan hassas işleme sistemlerine, çeşitli ekipmanlardan gelişmiş makinelere kadar geniş bir üretim gerçekleştirmekteyiz. Tüm ürünlerimiz, kullanıcı ihtiyaçlarını en iyi şekilde karşılamak üzere tasarlanmakta ve uluslararası kalite standartlarında üretilmektedir.

Faraday Grup olarak vizyonumuz; geleceği şekillendiren, sürdürülebilir çözümleri destekleyen, güvenilir ve yenilikçi bir marka olmaktır. Türkiye'nin dört bir yanına hizmet vermekten ve dünya genelinde ülkemizi başarıyla temsil etmekten gurur duyuyoruz.

Faraday Grup — 1981'den Bugüne, Güvenin ve Kalitenin Adı

Ürün Yelpazesi

Product Range



Dizel Jeneratörler
Diesel Generators

Yakıt Tankları
Fuel Tanks

Transfer Panoları
Transfer Panels

Devre Kesiciler
Circuit Breakers

Işık Kuleleri
Light Towers

Römorklar
Trailers



Twin Jeneratörler
Twin Generators

Sismik Önlemler
Seismic Precautions

Uzaktan Kontrol Sistemleri
Remote Control Systems

Konteyner Tipi Kabinler
Container Type Canopies

Ses İzolasyon Kabinleri
Sound Insulation Enclosures

Senkronizasyon Panoları
Synchronization Panels

Işık Kulesi Non-Stop with Light Tower!
Arazi ve hava koşulları ne kadar zorlu
olursa olsun, KJ Power Işık Kulesi ile işiniz
devam etsin.

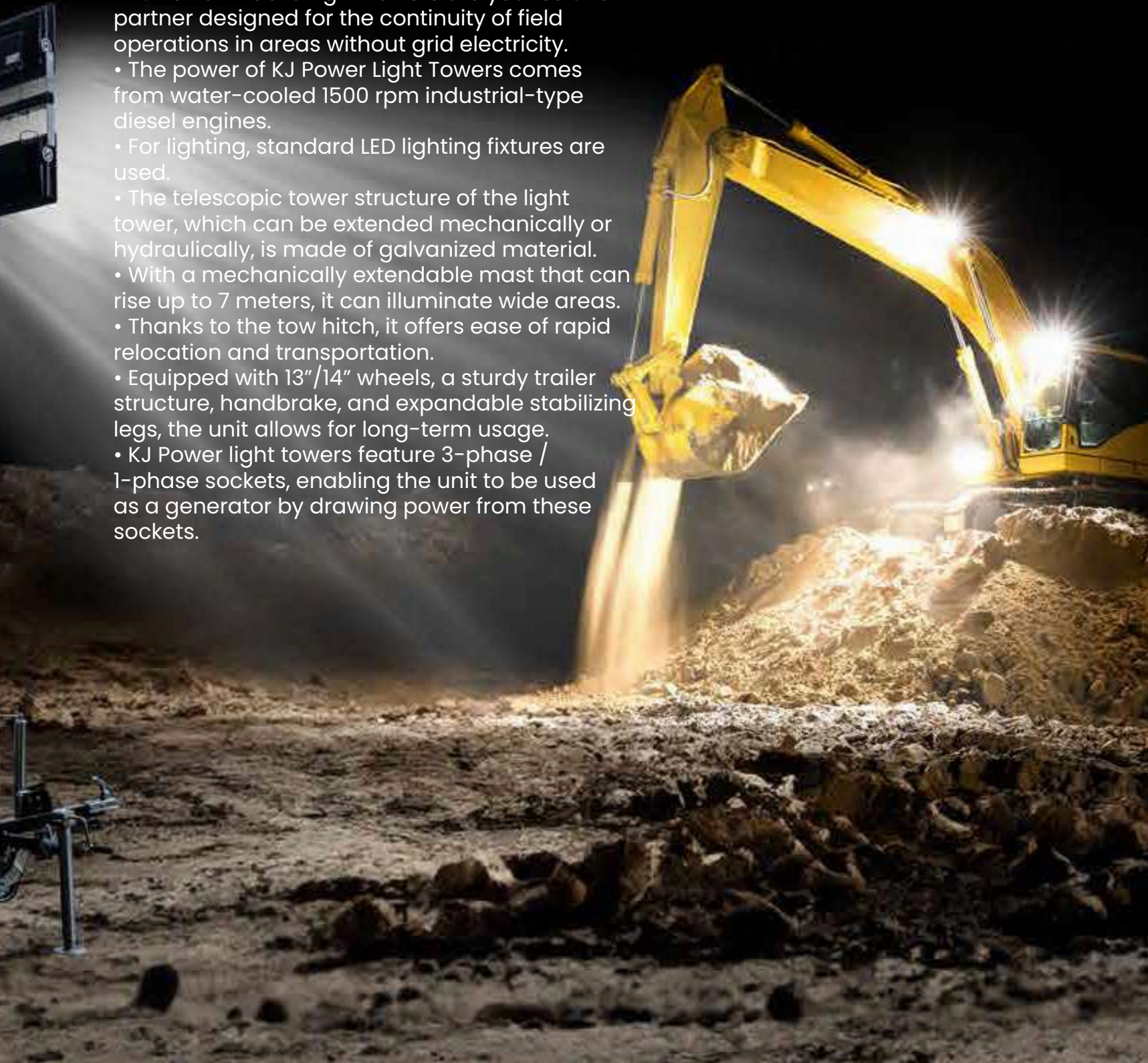
- KJ Power mobil Işık Kuleleri, şebeke elektriğinin olmadığı yerlerde saha çalışmalarının sürekliliği için tasarlanmış çözüm ortağınızdır.
- KJ Power Işık Kulelerinin gücü; su soğutmalı 1500 rpm endüstriyel tip dizel motorlardan sağlanmaktadır.
- Aydınlatma grubunda; Standart olarak LED aydınlatma armatürleri kullanılmaktadır.
- Işık kulesinin mekanik veya hidrolik olarak açılabilen teleskopik kule yapısında galvaniz malzeme kullanılmaktadır.
- Mekanik olarak 7 metre yükselebilen mast ile geniş alanlar aydınlatılabilir.
- Çeki oku sayesinde hızlı yer değiştirme ve taşıma kolaylığı sağlar.
- 13" / 14" jantları, güçlü treyler yapısı, el freni ve genişletilebilir sabitleme ayakları ile ünitenin uzun zamanlı kullanılmasına olanak sağlar.
- KJ Power ışık kulelerinde bulunan 3 fazlı / 1 fazlı prizlerden enerji alınarak üniteyi jeneratör olarak kullanmak mümkündür.



Light Tower

No matter how challenging the terrain and weather conditions are, let your work continue with KJ Power Light Towers.

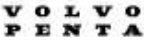
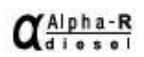
- KJ Power mobile Light Towers are your solution partner designed for the continuity of field operations in areas without grid electricity.
- The power of KJ Power Light Towers comes from water-cooled 1500 rpm industrial-type diesel engines.
- For lighting, standard LED lighting fixtures are used.
- The telescopic tower structure of the light tower, which can be extended mechanically or hydraulically, is made of galvanized material.
- With a mechanically extendable mast that can rise up to 7 meters, it can illuminate wide areas.
- Thanks to the tow hitch, it offers ease of rapid relocation and transportation.
- Equipped with 13"/14" wheels, a sturdy trailer structure, handbrake, and expandable stabilizing legs, the unit allows for long-term usage.
- KJ Power light towers feature 3-phase / 1-phase sockets, enabling the unit to be used as a generator by drawing power from these sockets.



Küresel Çözüm Ortaklarımız

Global Solution Partners

Motorlar / Engines

	KJV Volvo Series 220-825kVA		KJP Perkins Series 10-2500kVA		KJDD Hyundai Doosan Series 220-1000kVA
	KJB Baudouin Series 25-3000kVA		KJC Cummins Series 28-3750 kVA		KJJD John Deere Series 33-275kVA
	KJY Yanmar Series 13-63kVA		KJS Sdec Series 76-1100kVA		KJM Mitsubishi Series 1000-2750kVA
	KJA Alpha Series 40-175kVA		KJT Quanchai-Diamond Series 12-45kVA		KJYD YangDong Series 12-110kVA

Alternatörler / Alternators

	Stamford AvK		Nidec Leroy-Somer		KJ Power Alternator
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Teknik Bilgiler

Bir jeneratör, depolanan yakıtın kimyasal enerjisini elektrik enerjisine dönüştürmek için kullanılır.

Kullandıkları yakıta göre; benzinli, dizel ve doğal gazlı jeneratör olmak üzere üç ana gruba ayrılmaktadırlar.

STANDBY GÜÇ

Jeneratörün yedek enerji kaynağı olarak kullanıldığı, değişken yükler altında kesintili olarak çalıştığı durumdur. Aynı zamanda jeneratörden çekilebilecek maksimum gücü ifade eder. Jeneratörler standby gücün üzerinde yüklenemez.

PRIME (SÜREKLİ) GÜÇ

Jeneratörün değişken yükler altında sürekli çalıştığı durumdur. Yılda 365 gün ve günde 24 saat süre ile değişken yükler altında sürekli çalışabilir. Şebeke enerjisi olmayan işletmelerde prime güce göre seçim yapılması doğrudur. Jeneratörün her 12 saatlik periyotta, herhangi bir zaman aralığında 1 saat süre ile prime gücüne göre %10 fazla yüklenmesine izin verilebilir.

HESAPLAMA

Standby Güç = Prime Güç x 1,1

Prime Güç = Standby Güç / 1,1

Örnek;

- 550 kVA Standby Güç
 $550 / 1,1 = 500 \text{ kVA Prime Güç}$
- 400 kVA Prime Güç
 $400 \times 1,1 = 440 \text{ kVA Standby Güç}$

Technical Information

A generator is used to convert chemical energy stored in fuel into electrical energy.

According to the fuel they used; they are divided into 3 main groups as gasoline, diesel, and natural gas genset.

STANDBY POWER

It is the situation where the generator is used as a backup energy source and operates intermittently under variable loads. At the same time, ESP means the maximum power that can be taken from a generator. Generators cannot be loaded above standby power.

PRIME POWER

It is the situation where the generator works continuously under variable loads. It can work continuously under variable loads 365 days a year and 24 hours a day. For establishments that do not have grid energy, choosing according to prime power is the correct methodology. A generator can be overloaded 10% of the prime power for 1 hour at any time interval in every 12 hours.

CALCULATION

Standby Power = Prime Power x 1,1

Prime Power = StandbyPower / 1,1

Example;

- 550 kVA Standby Power
 $550 / 1,1 = 500 \text{ kVA Prime Power}$
- 400 kVA Prime Power
 $400 \times 1,1 = 440 \text{ kVA Standby Power}$



Standartlar ürün gruplarına göre değişkenlik gösterebilmektedir. Detaylı bilgi için üreticiye danışınız.
Not all codes and standards apply to all configurations. Contact factory for details.







2000 kVA
POWER Transformers



- Petroleum, Petrochemical plants
- Plastic Industry
- HEPP, SPP, RES, BES, GPP etc. power plants
- Textile Industry
- Metal Industry
- Coal
- Waste Water Treatment Plants
- Specially designed transformer
- LV-YG boxed transformers
- Transformers with on-load tap changers



2000 kVA
POWER Transformers



3150 kVA
POWER Transformers

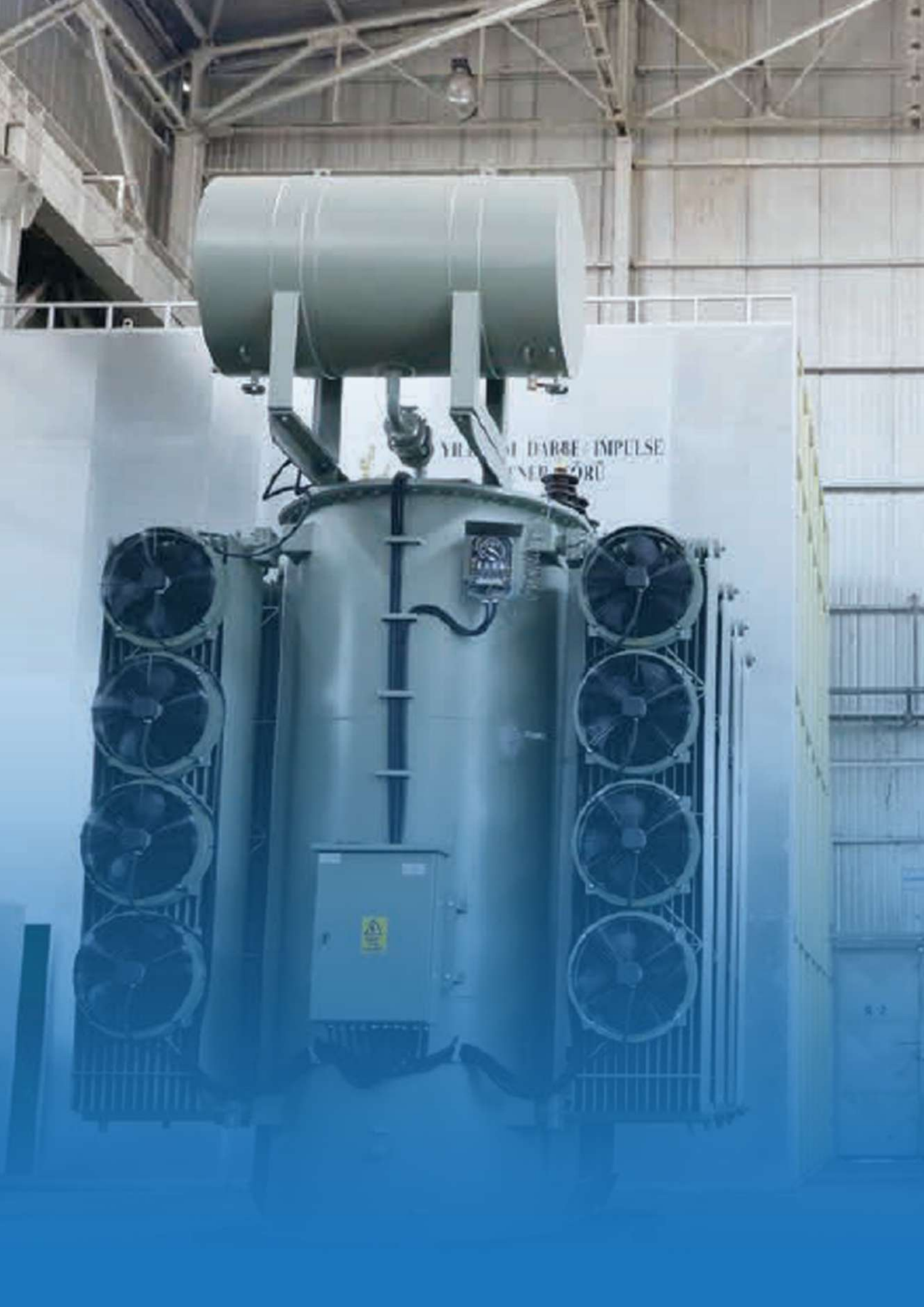


3500 kVA
POWER Transformers



3150 kVA
POWER Transformers

12500 kVA
POWER Transformers





**TECHNICAL DATA OF
DISTRIBUTION TRANSFORMERS
FOR STANDARD OIL IMMERSED
WITH / WITHOUT CONSERVATOR
(HERMETICALLY-SEALED) TYPE**

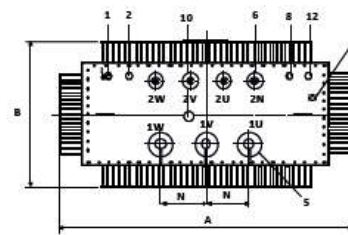
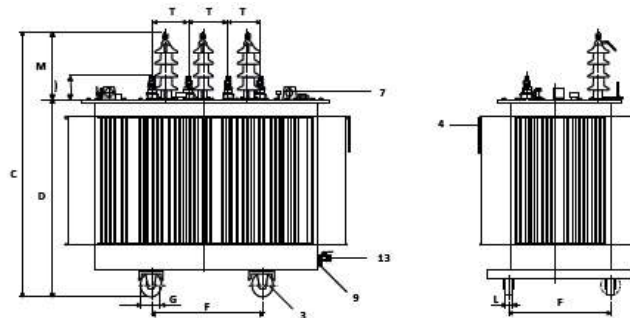
Power	Rated Voltage	No Load Current I ₀	Load Losses	No Load Losses	Short Circuit Voltage	Cosφ = 0,8		Cosφ = 1	
						Full Load Regulation	Full Load Efficiency	Full Load Regulation	Full Load Efficiency
kVA	kV	%	W	W	%U _k	%	%	%	%
25	6,3-10,5	2,50	600	70	4	3,846	96,66	2,451	97,33
	15,8	2,50	600	70	4	3,846	96,66	2,451	97,33
	33	3,15	660	81	4,5	4,307	96,31	2,706	97,05
50	6,3-10,5	2,30	750	90	4	3,446	97,94	1,568	98,35
	15,8	2,30	750	90	4	3,446	97,94	1,568	98,35
	33	2,76	825	105	4,5	3,860	97,68	1,738	98,14
100	6,3-10,5	2,10	1250	145	4	3,306	98,29	1,322	98,62
	15,8	2,10	1250	145	4	3,306	98,29	1,322	98,62
	33	2,27	1375	170	4,5	3,705	98,07	1,467	98,46
160	6,3-10,5	1,90	1750	210	4	3,212	98,47	1,167	98,78
	15,8	1,90	1750	210	4	3,212	98,47	1,167	98,78
	33	2,00	1925	242	4,5	3,601	98,31	1,297	98,65
250	6,3-10,5	1,60	2350	300	4	3,117	98,69	1,015	98,95
	15,8	1,60	2350	300	4	3,117	98,69	1,015	98,95
	33	1,80	2585	345	4,5	3,496	98,54	1,129	98,83
400	6,3-10,5	1,50	3250	430	4	3,034	98,86	0,889	99,09
	15,8	1,50	3250	430	4	3,034	98,86	0,889	99,09
	33	1,70	3575	495	4,5	3,405	98,73	0,991	98,98
630	6,3-10,5	1,40	4600	600	4	2,980	98,98	0,807	99,18
	15,8	1,40	4600	600	4	2,980	98,98	0,807	99,18
	33	1,60	5060	690	4,5	3,346	98,86	0,901	99,09
800	6,3-10,5	1,30	6000	650	6	4,264	98,97	0,927	99,18
	15,8	1,30	6000	650	6	4,264	98,97	0,927	99,18
	33	1,50	6600	750	6	4,316	98,85	1,001	99,08
1000	6,3-10,5	1,20	7600	770	6	4,271	98,96	0,937	99,17
	15,8	1,20	7600	770	6	4,271	98,96	0,937	99,17
	33	1,40	8360	885	6	4,324	98,85	1,012	99,08
1250	6,3-10,5	1,20	9500	950	6	4,271	98,97	0,937	99,17
	15,8	1,20	9500	950	6	4,271	98,97	0,937	99,17
	33	1,40	10450	1095	6	4,324	98,85	1,012	99,08
1600	6,3-10,5	1,10	12000	1200	6	4,264	98,98	0,927	99,18
	15,8	1,10	12000	1200	6	4,264	98,98	0,927	99,18
	33	1,30	13200	1380	6	4,316	98,86	1,001	99,09
2000	6,3-10,5	1,10	15000	1450	6	4,264	98,98	0,927	99,18
	15,8	1,10	15000	1450	6	4,264	98,98	0,927	99,18
	33	1,20	16500	1670	6	4,316	98,87	1,001	99,09
2500	6,3-10,5	1,0	18500	1750	6	4,257	99,00	0,917	99,20
	15,8	1,0	18500	1750	6	4,257	99,00	0,917	99,20
	33	1,1	20350	2015	6	4,308	98,88	0,990	98,83

Vector Groups :

25÷200 kVA = Yzn 5÷11 - Dyn 5÷11

250÷2500 kVA = Dyn 5÷11

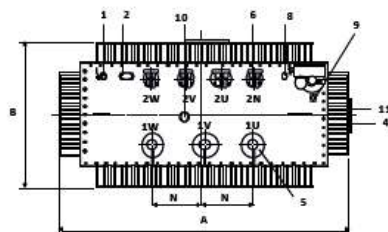
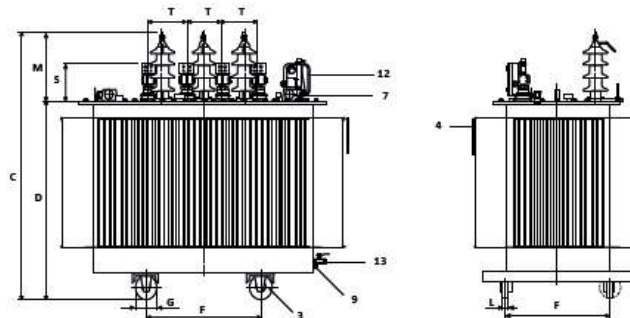
25 - 400 kVA



- 1 - Oil filling valve
- 2 - Pressure relief device
- 3 - Wheels
- 4 - Rating plate
- 5 - H.V. Bushings
- 6 - L.V. Bushings
- 7 - Lifting lugs
- 8 - Thermometer pocket
- 9 - Earthing screws
- 10- Off load tap changer
- 11- Corrugated walls
- 12- Oil level indicator
- 13- Oil filter and drain valve

Three Phase,
Hermetically Sealed Type,
25 - 2500 kVA
Transformers
Technical drawings

630 -2500 kVA



- 1 - Oil filling valve
- 2 - Pressure relief device
- 3 - Wheels
- 4 - Rating plate
- 5 - H.V. Bushings
- 6 - L.V. Bushings
- 7 - Lifting lugs
- 8 - Thermometer pocket
- 9 - Earthing screws
- 10- Off load tap changer
- 11- Corrugated walls
- 12- Multifunctioning protection device
- 13- Oil filter and drain valve

WITH CONSERVATOR

25-2500 kVA

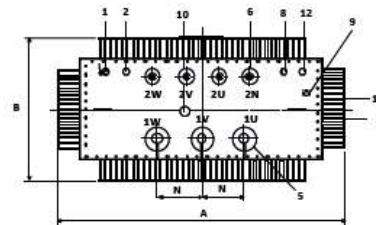
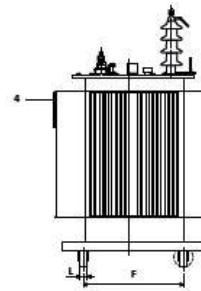
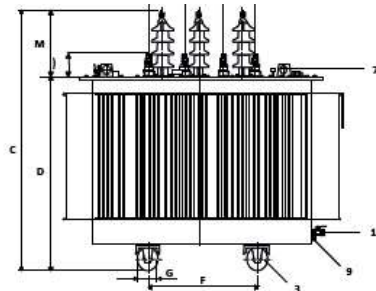
STANDARD

TRANSFORMERS

OVERALL DIMENSIONS

Power	Voltage	Oil Weight	Active Part Weight	Total Weight	Length A	Width B	Height C	D	F	ØG	L	M	N	S	T
kVA	kV	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
25	6,3-10,5	130	295	540	930	670	1240	700				310	210		
	15,8	130	295	540	930	670	1240	700	520			385	220	138	150
	33	120	225	405	880	650	1350	720				485	290		
50	6,3-10,5	160	450	735	960	770	1325	790				310	265		
	15,8	160	450	735	960	770	1325	790	520			385	265	138	150
	33	170	390	615	1005	810	1460	810				485	330		
100	6,3-10,5	200	575	920	985	785	1500	940				310	265		
	15,8	200	575	920	985	785	1500	940	520			385	265	138	150
	33	210	550	820	1040	830	1575	925				485	330		
160	6,3-10,5	230	665	1050	1285	745	1560	965				310	265		
	15,8	230	665	1050	1285	745	1560	965	520			385	265	138	150
	33	255	645	950	1090	840	1630	980				485	330		
250	6,3-10,5	295	995	1370	1310	805	1655	1065				310	265		
	15,8	295	995	1370	1310	805	1655	1065	520			385	265	178	150
	33	315	875	1285	1325	845	1655	1060				485	330		
400	6,3-10,5	400	1365	1925	1445	845	1860	1265				310	330		
	15,8	400	1365	1925	1445	845	1860	1265	670	150	50	385	330	178	150
	33	440	1245	1830	1630	935	1870	1385				485	350		
630	6,3-10,5	515	2060	2760	1525	980	1925	1310				310	330		
	15,8	515	2060	2760	1525	980	1925	1310	670	150	50	385	330	263	200
	33	535	1665	2445	1740	965	2060	1325				485	350		
800	6,3-10,5	600	2400	3250	1770	1040	1975	1345				310			
	15,8	600	2400	3250	1770	1040	1975	1345	820	200	70	385	400	263	220
	33	620	1930	2800	1840	1025	2095	1365				485			
1000	6,3-10,5	630	2680	3550	1745	1035	2140	1580				310			
	15,8	630	2680	3550	1745	1035	2140	1580	820	200	70	385	400	340	230
	33	660	2145	3150	1905	1055	2240	1460				485			
1250	6,3-10,5	710	2800	3940	1850	1065	2210	1530				310			
	15,8	710	2800	3940	1850	1065	2210	1530	820	200	70	385	400	340	240
	33	710	2310	3490	1950	1085	2265	1485				485			
1600	6,3-10,5	810	3020	4370	1945	1210	2145	1465				310			
	15,8	810	3020	4370	1945	1210	2145	1465	820	200	70	385	400	372	240
	33	850	2635	4130	1985	1190	2395	1615				485			
2000	6,3-10,5	970	3395	5030	2005	1270	2305	1580				310			
	15,8	970	3395	5030	2005	1270	2305	1580	1070	200	70	385	400	372	250
	33	1030	3110	4880	2080	1310	2475	1650				485			
2500	6,3-10,5	1210	4155	6195	2035	1315	2560	1740				310			
	15,8	1210	4155	6195	2035	1315	2560	1740	1070	200	70	385	400	450	260
	33	1100	3420	5600	2175	1365	2580	1760				485			

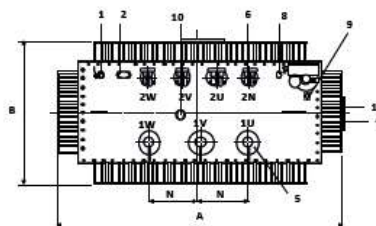
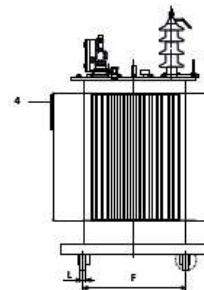
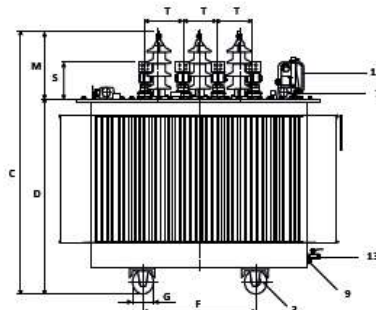
25 - 400 kVA



- 1 - Oil filling valve
- 2 - Pressure relief device
- 3 - Wheels
- 4 - Rating plate
- 5 - H.V. Bushings
- 6 - L.V. Bushings
- 7 - Lifting lugs
- 8 - Thermometer pocket
- 9 - Earthing screws
- 10 - Off load tap changer
- 11 - Corrugated walls
- 12 - Oil level indicator
- 13 - Oil filter and drain valve

Three Phase,
Hermetically Sealed Type,
25 - 2500 kVA
Transformers
Technical drawings

630 - 2500 kVA



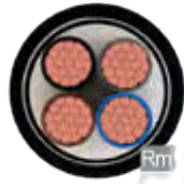
- 1 - Oil filling valve
- 2 - Pressure relief device
- 3 - Wheels
- 4 - Rating plate
- 5 - H.V. Bushings
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- 7 - Lifting lugs
- 8 - Thermometer pocket
- 9 - Earthing screws
- 10 - Off load tap changer
- 11 - Corrugated walls
- 12 - Multifunctioning protection device
- 13 - Oil filter and drain valve

HERMETICALLY SEALED TYPE 25-2500 kVA STANDARD TRANSFORMERS OVERALL DIMENSIONS

Power	Voltage	Oil Weight	Active Part Weight	Total Weight	Length A	Width B	Height C	D	F	ØG	L	M	N	S	T
kVA	kV	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
25	6,3-10,5	130	295	530	900	670	1010	700				310	210		
	15,8	130	295	530	900	670	1085	700				385	220	138	150
	33	120	225	395	880	650	1205	720				485	290		
50	6,3-10,5	165	445	745	1040	690	1120	790				310	265		
	15,8	165	445	745	1040	690	1195	790	520			385	265	138	150
	33	175	385	625	1005	685	1295	810				485	330		
100	6,3-10,5	200	575	940	1015	735	1250	940				310	265		
	15,8	200	575	940	1015	735	1325	940	520			385	265	138	150
	33	210	550	840	1040	705	1410	925				485	350		
160	6,3-10,5	225	665	1080	1070	745	1275	965				310	265		
	15,8	225	665	1080	1070	745	1350	965	520			385	265	138	150
	33	245	640	980	1090	720	1465	980				485	350		
250	6,3-10,5	280	1005	1410	1140	805	1430	1065				310	265		
	15,8	280	1005	1410	1140	805	1450	1065	520			385	265	178	150
	33	300	885	1305	1160	735	1545	1060				485	350		
400	6,3-10,5	380	1365	1905	1285	845	1575	1265				310	330		
	15,8	380	1365	1905	1285	845	1650	1265	670	125	50	385	330	178	150
	33	420	1225	1815	1305	935	1670	1185				485	350		
630	6,3-10,5	505	2025	2760	1495	980	1660	1310				310	330		
	15,8	505	2025	2760	1495	980	1685	1310	670	125	50	385	330	263	200
	33	525	1665	2410	1435	965	1625	1325				485	350		
800	6,3-10,5	585	2385	3225	1600	1040	1645	1345				310			
	15,8	585	2385	3225	1600	1040	1645	1345	820	200	70	385	400	263	220
	33	600	1910	2785	1540	1025	1665	1365				485			
1000	6,3-10,5	620	2650	3500	1590	1035	1890	1580				310			
	15,8	620	2650	3500	1590	1035	1965	1580	820	200	70	385	400	340	230
	33	645	2115	3125	1580	1055	1800	1460				485			
1250	6,3-10,5	690	2780	3900	1670	1065	1840	1530				310			
	15,8	690	2780	3900	1670	1065	1915	1530	820	200	70	385	400	340	240
	33	690	2290	3450	1665	1085	1970	1485				485			
1600	6,3-10,5	790	2990	4330	1860	1210	1775	1465				310			
	15,8	790	2990	4330	1860	1210	1850	1465	820	200	70	385	400	372	240
	33	830	2605	4090	1735	1190	2100	1615				485			
2000	6,3-10,5	945	3365	4995	1890	1270	1890	1580				310			
	15,8	945	3365	4995	1890	1270	1965	1580	1070	200	70	385	400	372	250
	33	995	3080	4850	1835	1310	2135	1650				485			
2500	6,3-10,5	1180	4190	6240	1950	1315	2050	1740				310			
	15,8	1180	4190	6240	1950	1315	2125	1740	1070	200	70	385	400	450	260
	33	1075	3450	5550	2580	1365	2175	1760				485			



- 1) Som veya Örgülü Bakır
Solid or Stranded Copper
- 2) XLPE İzole
XLPE Insulation
- 3) PVC Dolgu
PVC Filler
- 4) PVC Kılıf İç Kılıf
PVC inner Sheath
- 5) Çift Çelik Bant
Double Steel Tape
- 6) PVC Kılıf
PVC Sheath



STANDARD
NFC 32-322

TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

KULLANIM ALANLARI

Bu kablolar sabit tesisler için doğrudan gömülü olarak kablo kanallarında, iç mekanlarda, açık havada veya suda bulunurlar. Mekanik hasarların beklenebileceği bir ortamda özel olarak kullanılırlar.

TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Minimum Installation Temperature	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

USAGE AREAS

It is suitable for use as buried directly into the fixed installations, in cable ducts, indoors, outdoors or in water. It is specifically used in environments where mechanical damages could be expected.



Max. işletme sıcaklığı
Max. Operating temperature



Kısa devre sıcaklığı
Max. short Circuit temperature



Test Gerilimi
(AC) 4 kV
Test Voltage
(AC) 4 kV



Aleve dayanıklılık
Flame retardant
IEC 60332-1



Kurşunsuz
Lead-free



Örgülü
Stranded



Som
Solid



Serim sıcaklığı
minimum 5°C
Installation temperature
min 5°C



Dağıtım panoları
Distribution panels



Boru içinde
In conduit



Açıkta
Outdoor



Beton içinde
In concrete



Toprak altında
Direct buried



Endüstriyel tesisat
Industrial installations

TECHNICAL DATA AND OVERALL DIMENSIONS OF POWER TRANSFORMERS

Rated Power MVA (ONAN/ONAF)	Voltage kV/kV	Vektor Group	Impedance % Uk	Losses		No Load Current I ₀ %	Noise Level dB	Length mm	Width mm	Height mm	Oil Weight kg	Active Part Weight kg	Total Weight kg	Efficiency Full Load
				No Load	Load									
3,15	33/15,8	Dyn5	6	3,5	20	1	53	2650	2100	2750	1700	4600	8250	99,465
4	33/15,8	Dyn5	7	4,4	26	1	55	2950	2200	2900	2050	5400	10100	99,465
5	33/15,8	Dyn5	7	5	30	0,9	56	3050	2250	3050	2400	6000	11050	99,483
6,3	33/15,8	Dyn5	7	6	35,5	0,9	63	3200	2300	3350	2750	7320	13150	99,510
8	33/15,8	Dyn5	7	7	41	0,9	66	3300	2350	3450	2850	9100	14650	99,535
10	33/15,8	Dyn5	8	8,7	49,7	0,8	71	3100	2400	3500	3300	11000	18000	99,560
10(12,5)	33/15,8	Dyn5	8	9	51	0,5	73	3650	2250	3900	4000	14300	22000	99,588
12,5	33/15,8	Dyn5	8	9	51	0,5	73	3750	2400	4000	4200	14500	22400	99,588
16	33/15,8	Dyn5	8	9,5	63	0,5	75	3900	2500	4300	5500	17500	28500	99,615
16(20)	33/15,8	Dyn5	8	11	75	0,5	77	3900	2600	4450	7500	18500	32000	99,639
20	33/15,8	Dyn5	8	11	75	0,4	77	3900	2800	4450	7900	18500	34000	99,639
20(25)	33/15,8	Dyn5	8	13	100	0,4	78	4100	3600	4600	8250	22500	38500	99,657
25	33/15,8	Dyn5	8	13	100	0,4	78	4250	4150	4600	9000	22500	42000	99,657
25(31,5)	33/15,8	Dyn5	10	15	120	0,4	81	4350	4200	4800	9200	23500	43000	99,671
31,5	33/15,8	Dyn5	10	15	120	0,4	81	4400	4250	4900	9500	26000	44000	99,671
31,5(40)	33/15,8	Dyn5	10	19	145	0,4	83	4500	4300	5000	9800	28000	46000	99,684
40	33/15,8	Dyn5	10	19	145	0,4	83	4650	4400	5000	10000	28500	48000	99,684





CESI

KEMA

Laboratories



energy



Metal Enclosed Switchgear

12.000 pcs per year



Metal Clad Switchgear

4.000 pcs per year



Low Voltage Panels

6.000 pcs per year



Concrete Kiosk

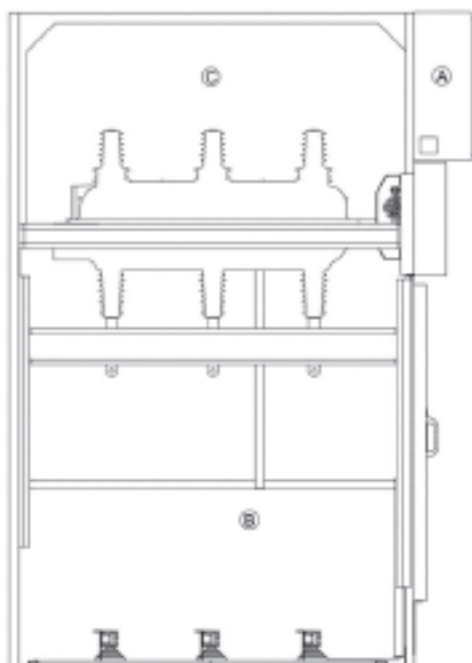
5.000 pcs per year



Metal Sheet Kiosk

2.000 pcs per year

The types of Air Insulated Modular Switchgear comprise of 3 main compartments. These compartments are secured by switching and mechanical interlocks.



A – Low Voltage Compartment

This compartment contains all secondary circuits for control (measurement, protection, monitoring, communication and other associated systems).

Circuit Breaker and Cabling Compartment

The equipment set forth hereunder is installed in the circuit breaker compartment:

- SF6 Gas / Vakum Circuit Breaker
- SF6 Gas Switch Disconnector
- Voltage Transformer
- Current Transformer
- Medium Voltage Fuse
- Capacitive Voltage Divider
- Cable glands and connectors

C – Busbar Compartment

The busbar compartment contains the electrolytic copper, the isolators and gate isolators chosen according to the rated current. Access to this compartment requires special instructions and safety precautions.

Applicable Standards

IEC 62271	High-Voltage Switchgear and Controlgear - Common Features
IEC 62271-200	High-Voltage Switchgear and Controlgear (AC up to and including 52 kV)
IEC 62271-100	Alternating Current Circuit Breakers
IEC 62271-102	Alternating current disconnectors and earthing switches
IEC 62271-105	Alternating current switch-fuse combinations
IEC 61869-2	Current Transformers
IEC 61869-3	Voltage Transformers
IEC 60273	Post Insulators
IEC 60051	Electrical Measuring Instruments
IEC 60255	Secondary Protection Relays
IEC 61243-1	Live Working - Voltage Detectors

Mobile Generators: More compact, quieter, and safer!





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