

Specificații tehnice

Numărul procedurii de achiziție: ocds-b3wdp1-MD-1634906505632 din 22.10.2021

Obiectul achiziției: Generatoare industriale și staționare insonorizate (procedură repetată)

Denumirea bunurilor	Denumirea modelului bunului	Țara de origine	Producătorul	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertant	Standarde de referință
1	2	3	4	5	6	7
Bunuri						
Lotul 1 Generator cu puterea de 55 kVA (locul livrării: str. Doina, 102, mun. Chișinău)						
Generator cu puterea de 55 kVA	FR-55	Turcia	FULL Generator	-tensiunea de alimentare – 400V, 50 Hz; - tipul carburantului – motorină; -puterea maximă (kVA) – 55 kVA; - puterea maximă (kW) – 44 kW; - tensiunea – 220/380 V. Termen de garanție: min. 12 luni de la data punerii în funcțiune. <i>Locul livrării: str. Doina, 102, mun. Chișinău</i>	-tensiunea de alimentare – 400V, 50 Hz; - tipul carburantului – motorină; -puterea maximă (kVA) – 55 kVA; - puterea maximă (kW) – 44 kW; - tensiunea – 220/380 V. Termen de garanție: min. 12 luni de la data punerii în funcțiune. <i>Locul livrării: str. Doina, 102, mun. Chișinău</i>	
Lotul 2 Generator cu puterea de 41 kVA						
Generator cu puterea de 41 kVA	FR-41	Turcia	FULL Generator	-tensiunea de alimentare – 400V, 50 Hz; - tipul carburantului – motorină; -puterea maximă (kVA) – 41 kVA; - puterea maximă (kW) – 33 kW; - tensiunea – 220/380 V. Termen de garanție: min. 12 luni de la data punerii în funcțiune. <i>Locul livrării: str. Gavrilov, 99 A, mun. Comrat.</i>	-tensiunea de alimentare – 400V, 50 Hz; - tipul carburantului – motorină; -puterea maximă (kVA) – 41 kVA; - puterea maximă (kW) – 33 kW; - tensiunea – 220/380 V. Termen de garanție: min. 12 luni de la data punerii în funcțiune. <i>Locul livrării: str. Gavrilov, 99 A, mun. Comrat.</i>	
Lotul 3 Generator cu puterea de 55 kVA (locul livrării: str. Tighina, 34, mun. Chișinău)						
Generator cu puterea de 55 kVA	FR-55	Turcia	FULL Generator	-tensiunea de alimentare – 400V, 50 Hz; - tipul carburantului – motorină; -puterea maximă (kVA) – 55 kVA;	-tensiunea de alimentare – 400V, 50 Hz; - tipul carburantului – motorină; -puterea maximă (kVA) – 55 kVA;	

				- puterea maximă (kW) – 44 kW; - tensiunea – 220/380 V. Termen de garanție: min. 12 luni de la data punerii în funcțiune. <i>Locul livrării: str. Tighina, 34, mun. Chișinău</i>	- puterea maximă (kW) – 44 kW; - tensiunea – 220/380 V. Termen de garanție: min. 12 luni de la data punerii în funcțiune. <i>Locul livrării: str. Tighina, 34, mun. Chișinău</i>	
TOTAL						

Semnat: _____

Nume: Mihalachi Alexandru

În calitate de: Director executiv

Ofertantul: SC “PROMO-SOLUȚII” SRL

Adresa: Rep. Moldova, mun. Chișinău, str. Uzinelor 90 of. 207 Data:

04.11.2021



FR 41

Engine: RÍCARDO Engine

Model : K4100-ZD

Stand By kVA: 41

Stand By kW : 33

Prime kVA: 37

Prime kW : 29,6

Rated Current : 53,3

SPECIFICATIONS

Engine

- RÍCARDO heavy duty diesel engine
- 12V starter and charge alternator
- Replaceable air, fuel and oil filters
- Mechanical governor control
- Tropical type radiator
- Flexible fuel hose
- Oil drain valve and extension hose
- Industrial type silencer and steel compensator
- Maintenance-free starter battery
- Water jacket heater
- 1500 rpm engine speed

Alternatör

- IP 21-23 Protection Standard
- H Insulation Class
- 50 Hz Frequency
- 4 pole brushless synchronous type alternator
- Automatic Voltage Regulator (AVR)
- 400/230V AC Output Voltage - 1500 rpm

Sound Proof Canopy and Chassis

- Convenient design for easy lifting and carrying
- High standard sound proof canopy design
- Modular design with easily removable nuts - bolts
- Lockable doors
- Transparent window for watching Control Panel
- Electrostatic powder painted, providing protection against harsh weather conditions
- Emergency STOP button
- Fuel tank inside the chassis
- Anti-vibration wedges (engine - chassis and chassis - ground)

Optional

- Thermal magnetic CB (for automatic models)
- Super Silent Canopy
- Mobile Generator Sets
- Automatic fuel filling system
- Synchronization panel
- 3 Pole and 4 Pole ATS (Automatic Transfer Switch)
- Fuel Heater, Oil Heater
- External fuel tank and automatic fuel filling system
- Fuel - water separator filter
- Remote monitoring and control system

ENGINE

Engine		RICARDO	
Engine Model		K4100-ZD	
Number of Cylinders		4 Inline	
Injection System		Direct	
Compression Ratio		19:01	
Bore		100	
Strok		115	
Displacement	L	3,61	
Air Intake		TURBO	
Speed (RPM)		1500	
Oil Capacity	L	13	
Standby Power	kw / Hp	36 / 48,27	
Prime Power	kw / Hp	32 / 42,91	
Fuel Type		Euro Diesel	
Governor System		Mechanical	
Cooling System		Water Cooling	
Coolant Capacity	L	15	
Fuel Consumption (lt / h)	L	Full Load	9,6
	L	%75 LOAD	7,2
	L	%50 LOAD	4,8

ALTERNATOR

Frequency	Hz		
Power	kVA	41	
Voltage	V	230 / 400 V	
Number of Phases		3	
Automatic Voltage Regulator (A.V.R.)		AS440	

Voltage Regulation		±1%
Insulation Class		H
Protection Standard		IP21 - IP23
Power Factor		0,8

DIMENSIONS

Weight (Silent)	Kg	925
Weight (Open)	Kg	770
Width (Silent)	Mm	900
Length (Silent)	Mm	2200
Height (Silent)	Mm	1350
Fuel Tank Capacity	L	135

1 Standby Power : The max power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage. Overloading isn't permissible.

2 Prime Power : The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.

Topçular A.Ş. reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice.



FR 55

Engine: RÍCARDO
 Engine Model : WD100-45
 Stand By kVA: 55
 Stand By kW : 44
 Prime kVA: 50
 Prime kW : 40
 Rated Current : 72

SPECIFICATIONS

Engine

- RÍCARDO heavy duty diesel engine
- 12V starter and charge alternator
- Replaceable air, fuel and oil filters
- Mechanical governor control
- Tropical type radiator
- Flexible fuel hose
- Oil drain valve and extension hose
- Industrial type silencer and steel compensator
- Maintenance-free starter battery
- Water jacket heater
- 1500 rpm engine speed

Sound Proof Canopy and Chassis

- Convenient design for easy lifting and carrying
- High standard sound proof canopy design
- Modular design with easily removable nuts - bolts
- Lockable doors
- Transparent window for watching Control Panel
- Electrostatic powder painted, providing protection against harsh weather conditions
- Emergency STOP button
- Fuel tank inside the chassis
- Anti-vibration wedges (engine - chassis and chassis - ground)

Alternatör

- IP 21-23 Protection Standard
- H Insulation Class
- 50 Hz Frequency
- 4 pole brushless synchronous type alternator
- Automatic Voltage Regulator (AVR)
- 400/230V AC Output Voltage - 1500 rpm

Optional

- Thermal magnetic CB (for automatic models)
- Super Silent Canopy
- Mobile Generator Sets
- Automatic fuel filling system
- Synchronization panel
- 3 Pole and 4 Pole ATS (Automatic Transfer Switch)
- Fuel Heater, Oil Heater
- External fuel tank and automatic fuel filling system
- Fuel - water separator filter
- Remote monitoring and control system

ENGINE

Engine		RICARDO	
Engine Model		WD100-45	
Number of Cylinders		4 Inline	
Injection System		Direct	
Compression Ratio		19:01	
Bore		100	
Strok		115	
Displacement	L	3,61	
Air Intake		TURBO	
Speed (RPM)		1500	
Oil Capacity	L	13	
Standby Power	kw / Hp	49 / 65,71	
Prime Power	kw / Hp	45 / 60,34	
Fuel Type		Euro Diesel	
Governor System		Mechanical	
Cooling System		Water Cooling	
Coolant Capacity	L	15	
Fuel Consumption (lt / h)	L	Full Load	11,5
	L	%75 LOAD	8,6
	L	%50 LOAD	5,75

ALTERNATOR

Frequency	Hz		
Power	kVA	55	
Voltage	V	230 / 400 V	
Number of Phases		3	
Automatic Voltage Regulator (A.V.R.)		AS440	

Voltage Regulation		±1%
Insulation Class		H
Protection Standard		IP21 - IP23
Power Factor		0,8

DIMENSIONS

Weight (Silent)	Kg	990
Weight (Open)	Kg	820
Width (Silent)	Mm	950
Length (Silent)	Mm	2300
Height (Silent)	Mm	1400
Fuel Tank Capacity	L	145

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2 Prime Power : The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.

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CERTIFICATE

of product conformity

Certificate NO: 2020-PTC-1863

PTC Technical Inspection and Certification

ATTESTATION OF COMPLIANCE

(UYGUNLUK ONAYI)



The technical file and test results of the following product have been checked and found in compliance with the Parliament and council Directive 2006/42/EC Machinery Directive.

Teknik dosya ve test raporları incelenerek, belirtilen ürünün Avrupa Birliği Teknik Komisyonu tarafından yayınlanan 2006/42/AT Makina Emniyeti Yönetmeliğine uygunluğu saptanmıştır.

Manufacturer(Üretici) : TOPÇULAR ENDÜSTRİYEL ÜRETİM VE YATIRIM ANONİM ŞİRKETİ

Abdurrahmangazi Mah. Ebubekir Cad. İmamoğlu Sok. No:2c/2 Sancaktepe / İSTANBUL

Applicant(Başvuru Sahibi) : TOPÇULAR ENDÜSTRİYEL ÜRETİM VE YATIRIM ANONİM ŞİRKETİ

Abdurrahmangazi Mah. Ebubekir Cad. İmamoğlu Sok. No:2c/2 Sancaktepe / İSTANBUL

Product(Ürün) : DIESEL GENERATOR / DİZEL JENERATÖR

Trademark(Marka) : FULL

Type / Model(Tip Model) : FR SERIES OPEN TYPE GENSET 17kVA to 220kVA: FR-17E ~ FR-220E (FR SERİSİ AÇIK TİP JENERATÖR SETİ 17kVA – 220kVA ARASI) ; FR SERIES SILENT TYPE GENSET 17kVA to 220kVA: FR-17C ~ FR-220C (FR SERİSİ SESSİZ TİP JENERATÖR SETİ 17kVA – 220kVA ARASI) ; FC SERIES OPEN TYPE GENSET 30kVA to 1000kVA: FC-30E ~ FC-1000E (FC SERİSİ AÇIK TİP JENERATÖR SETİ 30kVA – 1000kVA ARASI) ; FC SERIES SILENT TYPE GENSET 30kVA to 1000kVA: FC-30C ~ FC-1000C (FC SERİSİ SESSİZ TİP JENERATÖR SETİ 30kVA – 1000kVA ARASI) ; FP SERIES OPEN TYPE GENSET 10kVA to 1000kVA: FP-10E ~ FP-1000E (FP SERİSİ AÇIK TİP JENERATÖR SETİ 10kVA – 1000kVA ARASI) ; FP SERIES SILENT TYPE GENSET 10kVA to 1000kVA: FP-10C ~ FP-1000C (FP SERİSİ SESSİZ TİP JENERATÖR SETİ 10kVA – 1000kVA ARASI) ; FG SERIES OPEN TYPE GENSET 220kVA to 1000kVA: FG-220E ~ FG-1000E (FG SERİSİ AÇIK TİP JENERATÖR SETİ 220kVA – 1000kVA ARASI) ; FG SERIES SILENT TYPE GENSET 220kVA to 1000kVA: FG-220C ~ FG-1000C (FG SERİSİ SESSİZ TİP JENERATÖR SETİ 220kVA – 1000kVA ARASI) ; FN SERIES OPEN TYPE GENSET 17kVA to 110kVA: FN-17E ~ FN-110E (FN SERİSİ AÇIK TİP JENERATÖR SETİ 17kVA – 110kVA ARASI) ; FN SERIES SILENT TYPE GENSET 17kVA to 110kVA: FN-17C ~ FN-110C (FN SERİSİ SESSİZ TİP JENERATÖR SETİ 17kVA – 110kVA ARASI)

Test Report No(Test Rapor Nu) : 2019-PTC-0288

Base Of Attestation(Onay Dayanağı) : TS EN 60204-1, TS ISO 8528-12, TS ISO 8528-5, TS EN ISO 8528-13, TS EN ISO 12100:2010



www.ptctesting.com

ID NO : 2612019

Sertifika, belirtilen ürünün/ürünlerin test edilmesinden ve / veya teknik dokümantasyonun denetlenmesinden sonra verilir ve test edilen ürünün, belirtilen direktiflerin zorunlu koruma şartlarına gönüllü olarak uygun olduğunu onaylar.

The certificate is issued after testing of the named product/s and/or audit of the technical documentation and confirms that the tested product complies with the essential protection requirements of the mentioned directives on a voluntary basis.

Diğer ilgili standartlara ve direktiflere uyulmalıdır. Bu onay üreticinin uygunluk beyanı düzenleme zorunluluğunu ortadan kaldırmaz. Referans teknik dosya ile ürünün yukarıda belirtilen AT Direktiflerinin temel gereklerine uygunluğu kabul edilir.

The referred technical file(s) shows that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements listed EU Directive(s) above, other relevant Directives and standards have to be observed. This attestation does not abrogate the compulsory obligation of the manufacturer to issue the declaration of conformity

Date /Tarih : 25.11.2020

Issue Date / Basım Tarihi : 25.11.2020

Expiry to /-e Kadar Geçerli : 25.11.2021

PTC Ürün Test ve Belgelendirme San. Tic. Ltd. Şti

Signature
(İmza)



PTC

Ürün Test ve Belgelendirme
San. Tic. Ltd. Şti

Aydınlı Mah. Patlayıcı Maddeler Yolu Cad
Beyoğlu Sanayi Sitesi D1 Blok N:26
Aydınlı-TUZLA/İSTANBUL
Tel: +90(216) 393 32 32
info@ptctesting.com - www.ptctesting.com

Dealer Authorization Certificate

Official Authorization Between
(S.C. PROMO-SOLUTII SRL)

and

(Topçular Endüstriyel Üretim ve Yatırım A.Ş.)

This Official Authorization(OA) sets for the terms and understanding between the S.C. PROMO-SOLUTII SRL and the Topçular Endüstriyel Üretim ve Yatırım A.Ş. to establish dealership agreement in Republic of Moldova!

Dealership agreement has been claimed by S.C. PROMO-SOLUTII SRL in order to set up dealership agreement in 2021. We as Topçular Endüstriyel Üretim ve Yatırım A.Ş. is committing and declaring to work with S.C. PROMO-SOLUTII SRL only in Republic of Moldova by the time signing this DA.

Both parties will review activities at the end of 2021 and If both parties will accept, exclusive distributorship, authorization for service engine and alternator manufacturer of generators Topçular Endüstriyel Üretim ve Yatırım A.Ş., contract will be continue for 2022.

This DA is at-will and may be modified by mutual consent of authorized officials from S.C. PROMO-SOLUTII SRL and Topçular Endüstriyel Üretim ve Yatırım A.Ş. This DA shall become effective upon signature by the authorized officials and will remain in effect until modified or terminated by any one of the parties by mutual consent.

Contact Information

S.C. PROMO-SOLUTII SRL

Alexandru Mihalachi

CEO

Phone: (+373) 79-32-91-34

[e-mail: director@etop.md](mailto:director@etop.md)

Topçular Endüstriyel Üretim ve Yatırım A.Ş.

Abdurrahmangazi Mah. İmamoğlu Sk.C Blok No: 6

34887 Sancaktepe/İstanbul

Director _____

S E R T İ F İ K A

CERTIFICATE

KALİTE YÖNETİMİ QUALITY MANAGEMENT

TOPÇULAR ENDÜSTRİYEL ÜRETİM VE YATIRIM A.Ş.

*kuruluşunun,
company,*

Abdurrahmangazi Mah. İmamoğlu Sok. C Blok No:6 Sancaktepe / İstanbul / Türkiye

*adresinde,
at adress,*

*JENERATÖR, PANO MONTAJI VE SATIŞI FAALİYETLERİ
GENERATOR, BOARD ASSEMBLY AND SALES ACTIVITIES*

*EA 29 kapsamında
At scope EA 29*

*kalite yönetim sistemi yürürlüğe koyduğu;
perform the quality management system;*

ISO 9001:2015

*standart taleplerinin yerine getirildiği belirlenmiştir.
he complete of the standard was determined.*

İlk Yayın Tarihi / Date First Registered : 15.05.2020
Yayın Tarihi / Date Certificate Issued : 14.05.2021
Geçerlilik Periyodu / Period of Registration : 3 yıl / years
Geçerlilik Tarihi / Date Certificate Expires : 13.05.2022
Sertifika Numarası / Certificate No : 01/13179/02



Onay :
Approved by:



Bu sertifikanın geçerliliği, yılda en az bir kez yapılacak gözetim denetiminin başarılı geçmesine bağlıdır. Bu durumda belge yeniden düzenlenecektir.
The Validity of this certificate, subject to successful completion of surveillance audit which will take place at least once a year. In this case, the document will be revised.

S E R T İ F İ K A

CERTIFICATE

ÇEVRE YÖNETİMİ

ENVIRONMENTAL MANAGEMENT

TOPÇULAR ENDÜSTRİYEL ÜRETİM VE YATIRIM A.Ş.

kuruluşunun,
company,

Abdurrahmangazi Mah. İmamoğlu Sok. C Blok No:6 Sancaktepe / İstanbul / Türkiye

adresinde,
at address,

JENERATÖR, PANO MONTAJI VE SATIŞI FAALİYETLERİ

GENERATOR, BOARD ASSEMBLY AND SALES ACTIVITIES

EA 29 kapsamında
At scope EA 29

çevre yönetim sistemi yürürlüğe koyduğu;
perform the environmental management system;

ISO 14001:2015

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İlk Yayın Tarihi	/ Date First Registered	:15.05.2020
Yayın Tarihi	/ Date Certificate Issued	:14.05.2021
Geçerlilik Periyodu	/ Period of Registration	:3 yıl / years
Geçerlilik Tarihi	/ Date Certificate Expires	:13.05.2022
Sertifika Numarası	/ Certificate No	:02/13179/02



Onay :
Approved By:



Bu sertifikanın geçerliliği, yılda en az bir kez yapılacak gözetim denetiminin başarılı geçmesine bağlıdır. Bu durumda belge yeniden düzenlenecektir.
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