



GRUPA GWARANT

GAS GENERATING SET

Andoria-Mot sp. z o.o. in Andrychów is a company with Polish capital, manufacturing engines based on its own castings, undergoing process of machining. Is based only on components of the recognized European companies. Andoria-Mot do not use elements on the Indian and Chinese origin. In 2014 taking advantage of 50 years experience in manufacturing diesel engines and generating sets, implemented into production engines S320 and S321 on gas supply (*CNG, LPG, SYNGAS and BIOGAS*)

Main attributes of these engines :

- Simple construction,
- High reliability,
- Resistance in hard desert and tropical conditions
- Simple service

was transferred to high functional quality, of these units supplied by gas fuel.

Particular attention should be paid to show high durability of these engines when applied to continuous running in rugged conditions.

Generating sets produced for these engines have electrical start system, although there is also possible to start with the aid of crank handle.

Sets could be as well made with detachable electric generator drive in order to make possible drive another devices with belt transmission.

Technical data of engines

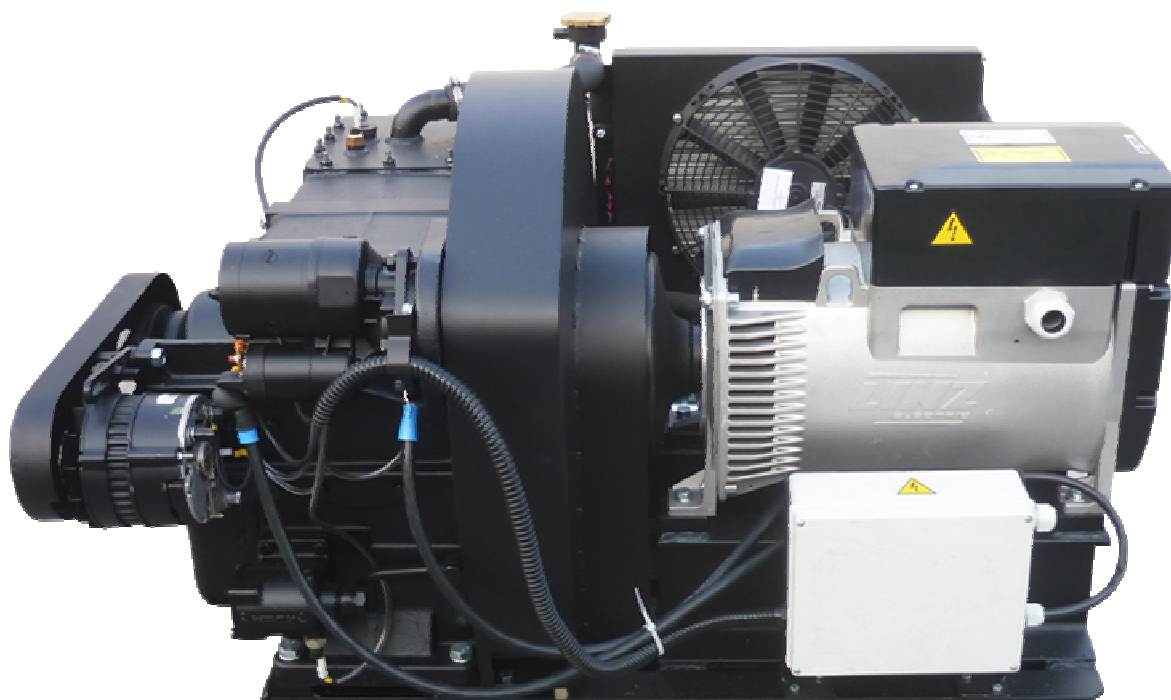
	S320ER/1	S321/ER1
FUEL	CNG, LPG, SYNGAS,BIOGAS	CNG, LPG, SYNGAS,BIOGAS
START UP	Manual by means of crank handle with support of pressure relief valve or electrical with starter motor.	Manual by means of crank handle with support of pressure relief valve or electrical with starter motor.
POWER	18 HP	27 HP
NO. OF CYLINDERS	1	1
CYLINDER CONFIGURATION	HORIZONTAL	HORIZONTAL
DISPLACEMENT (cm3)	1810	2290
POWER kW	13,3	20,0
RATED SPEED	1500	1500
GAZ CONSUPTION	0,5 m3/kW	0,7 m3/kW
DIMENSION (mm) lxbxh	1140x570x820	1140x570x820
WEIGHT (kg)	330	340



Engine S320 18 KM/13,3kW

Technical data of generating sets.

	ZE S320ER/1	ZE S321/ER1
FUEL	CNG, LPG, SYNGAS,BIOGAS	CNG, LPG, SYNGAS,BIOGAS
START UP	Manual by means of crank handle with support of pressure relief valve or electrical with starter motor.	Manual by means of crank handle with support of pressure relief valve or electrical with starter motor.
KIND OF ENGINE	S320 ER	S321 ER
POWER	18 HP	27 HP
DISPLACEMENT (cm³)	1810	2290
INPUT POWER (kVA/kW)	13 kVA/10,5 kW	20 kVA/16 kW
SPEED (RPM)	1500	1500
GENERTAOR TYPE	LINZ	LINZ
GAS CONSUMPTION	0,5 m³/kW	0,7 m³/kW
DIMENSION (mm) lxbxh	1250x1100x850	1250x1100x850
WEIGHT (kg)	470	480
ELECTRICAL SYSTEM	12 V	12 V
COOLING SYSTEM	CHŁODNICA WODY	CHŁODNICA WODY
FREQUENCY (Hz)	50 or 60	50 or 60
VOLTAGE (V)	230/400	230/400



Generating set 13 kVA

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