

Generating sets for Telecom applications - BTS (Base transceiver station)







▶ Applications

IN CASE OF LACK OF MAIN POWER

The generating set start in case of lack of main power, transfer the power directly to the system and when the main power come back the generating set stop automatically.

IN CASE OF NO MAINS AVAILABLE

The generating set will work 24 hours a day, thanks to its characteristics and high quality components it can supply continuous power with the best reliability.



TRANSPORT ADVANTAGES:

Our generators are very compact, we can fit:

• 11 units in a 20ft container

• 23 units in a 40ft container

in case the generators are fitted with 50 It fuel tank:

- 22 units in a 20ft container
- 46 units in a 40ft container





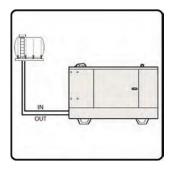
STANDARD FEATURES



>> HIGH QUALITY DIESEL ENGINES



>> IN BUILT ATS PANEL



>> THREE-WAY VALVE



>> LIFTING POCKETS



>> HIGH QUALITY ALTERNATORS



 $>>~500~{\rm or}~600$ LT FUEL TANK



>> FUEL/WATER SEPARATOR FILTER



>> LIFTING HOOKS



>> WEATHER AND SOUND PROOF CANOPY



>> DEEP SEA CONTROL BOARD



>> ELECTRONIC VOLTAGE REGULATOR (AVR)



>> METAL LABEL

OPTIONALS AVAILABLE

NOISE LEVEL 55 dB at 7 meters	AUTOMATIC OIL REFILLING
GSM REMOTE CONTROL MODULE	AUTOMATIC DUMMY LOAD
FUEL TANK OF 1000 LT CAPACITY	SPARE PARTS KIT FOR LONG LIFE MAINTENANCE
WATER ENGINE PREHEATER	AUTOMATIC FUEL TRANSFER PUMP SYSTEM



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600LT

1600

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700

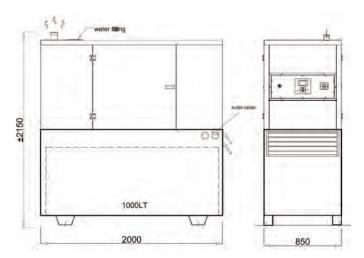
The sound proof canopy installed is made in steel structure, painted with epoxy dust with high resistence anti-corrosion. Painted in green colour RAL6018 (different colors available upon request).

Acoustic material fire-resistant with high noise reduction.

Optimal accessibility for ordinary/extraordinary maintenance through 2 strong and lockable doors.

The muffler is residential type and is fixed inside the canopy with 35db reduction. 4 lifting hooks.

Fresh air intake from the opposite side of the muffler, Exhaust air from the muffler side above and below.



AUTOMATIC MAINS FAILURE PANEL WITH ATS BUILT IN



Automatic Mains Failure panel (AMF) fixed into the generating set canopy with built in Automatic Transfer Switch (ATS) with:

- contactors mechanical and electrical interlocked, complete with DeepSea electronic board with instruments,
- alarms and engine protections
- automatic battery charger
- magnetotermic switch 4 poles
- terminal box, protection fuses
- emergency stop button
- protection door with transparent window.

PROTECTION: IP44



>> CONTACTORS

±1900



GENERATING SETS RANGE WITH PERKINS ENGINE										
	Model		EY 10 P-SA	EY 14 P-SA	EY 16 P-SA	EY 20 P-SA	EY 30 P-SA	EY 45 P-SA		
	Prime power (PRP)	kVa	10	14	16	20	30	45		
c	Prime power (PRP)	Kw	8	11,2	12,8	16	24	36		
catio	Emergency power (LTP)	kVa	11	15,4	17,6	22	33	49,5		
ecifio	Emergency power (LTP)	Kw	8,8	12,3	14	17,6	26,4	39,6		
General specification	Noise level at 7 mt	dB(A)	67 +/-3	67 +/-3	67 +/-3	68 +/-3	68 +/-3	68 +/-3		
ener	Rpm/min		1500	1500	1500	1500	1500	1500		
G	Frequency	Hz	50	50	50	50	50	50		
	Voltage	V	400 V + N	400 V + N						
	Nominal Ampere rating	А	15	21	24	29	44	65		
	Engine model		403A-11G	403A-15G1	403A-15G2	404A-22G1	1103A-33G	1103A- 33TG1		
	Engine emissions standards		Not Emissioned	Not Emissioned	Not Emissioned	Not Emissioned	Not Emissioned	Not Emissioned		
tics	Engine power	Hp (kw)	11,2 (8,4)	16,1 (12)	18 (13)	24,6 (18,4)	37,1 (27,7)	55,3 (41,3)		
terist	Nr. Of cylinders		3	3	3	4	3	3		
Engine characteristics	Aspiration		"Naturally Aspirated"	"Naturally Aspirated"	"Naturally Aspirated"	"Naturally Aspirated"	"Naturally Aspirated"	Turbochar- ged		
ine c	Cooling system		Water	Water	Water	Water	Water	Water		
Eng	Displacement	сс	1131	1496	1496	2216	3300	3300		
	Bore x stroke	mm	77 x 81	84 x 90	84 x 90	84 x 100	105 x 127	105 x 127		
	RPM governor		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical		
	Governor accuracy	%	5%	5%	5%	5%	5%	5%		
	Fuel type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel		
	Fuel consumption at 50% of load	Lt/h	1,7	2	2,5	2,9	3,9	5,7		
	Fuel consumption at 75% of load	Lt/h	2,3	2,8	3,6	4	5,4	8		
Fuel	Fuel consumption at 100% of load	Lt/h	3	3,6	5	5,3	7,1	10,7		
Ъ	Fuel tank capacity	Lt	500 / 600	500 / 600	500 / 600	500 / 600	500 / 600	500 / 600		
	Autonomy at 75% of load	hr	217 / 260	178 / 214	139 / 166	125 / 150	92 / 111	62,5 / 75		
	Optional: Bigger Tank capacity	Lt	1000 / 2000	1000 / 2000	1000 / 2000	1000 / 2000	1000 / 2000	1000 / 2000		
	Autonomy @75%	hr	434 / 870	357 / 714	278 / 555	250 / 500	185 / 370	125 / 250		
tics	Alternator brand		MeccAlte	MeccAlte	MeccAlte	MeccAlte	MeccAlte	MeccAlte		
terist	Alternator model		ECP3-1L/4	ECP3-2L/4	ECP28-S/4	ECP28-M/4	ECP28-VL/4	ECP32-3S/4		
arac	N. di poli - Number of poles		4	4	4	4	4	4		
or ch	Тіро - Туре		Brushless	Brushless	Brushless	Brushless	Brushless	Brushless		
Alternator characteristics	Voltage regulator		AVR	AVR	AVR	AVR	AVR	AVR		
Alte	Voltage accuracy	%	1%	1%	1%	1%	1%	1%		

DETAILS

The Alternator brand depends on Energy's discrection The range can be available also with frequency 60 Hz - 1800 rpm The range can be available also with voltage 230 V single phase Available models with bigger electrical power All data can be found out in the original datasheet of the engine and the alternator. Values shown are nominal values, they can change in every moment and without prior notice.

Our range of generating sets for Telecom application is available also with other brands of engines like:







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