

Specifications			1500 rpm	1800 rpm
Engine model			F32 AM1A	
Arrangement			4L	
Valves per cylinder			2	
Cycle			Diesel 4 stroke	
Injection system			Mechanical	
Air intake			NA	
Housing flywheel			SAE 3	
Flywheel			11"1/2	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	246.5 (9.6) [7.9]	-
	Full load	g/kWh (l/h) [kg/h]	235 (8.3) [6.8]	-
	80%	g/kWh (l/h) [kg/h]	227 (6.5) [5.3]	-
	50%	g/kWh (l/h) [kg/h]	240 (4.3) [3.5]	-
Fuel specifications			EN 590	
Fuel tank capacity		L	80	
Dimensions	L x W x H	mm	1835 x 730 x 1416	
Dry weight		kg	~ 590	

Performance		1500 rpm	1800 rpm
Prime Power	kVA (kWe)	30 (24)	35 (28)
Stand-By Power	kVA (kWe)	33 (26.5)	38 (30.5)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G2 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned for tropical climates. The radiator is fixed to the engine and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator; 12 wires, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC 34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 80 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications			1500 rpm	1800 rpm
Engine model			N67 TM2A	
Arrangement			6L	
Valves per cylinder			2	
Cycle			Diesel 4 stroke	
Injection system			Mechanical	
Air intake			TAA	
Housing flywheel			SAE 3	
Flywheel			11" 1/2	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	206.9 (32.0) [26.9]	216.1 (38.1) [32.0]
	Full load	g/kWh (l/h) [kg/h]	208.1 (29.3) [24.6]	217.1 (34.8) [29.2]
	80%	g/kWh (l/h) [kg/h]	228.0 (24.1) [20.2]	237.6 (28.5) [24.0]
	50%	g/kWh (l/h) [kg/h]	225.0 (15.8) [13.3]	239.4 (19.2) [16.1]
Fuel specifications			EN 590	
Fuel tank capacity		L	180	
Dimensions	L x W x H	mm	2800 x 780 x 1423	
Dry weight		kg	~ 1315	

Performance		1500 rpm	1800 rpm
Continuous Power			
Prime Power	kVA (kW _e)	130 (104)	145 (116)
Stand-By Power	kVA (kW _e)	143 (114)	160 (128)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G2 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned, for tropical climates. The radiator is fixed to the base frame and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 180 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator. Special certified fuel tanks with automatic refill are available on request.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications			1500 rpm	1800 rpm
Engine model			N67 TM3A	
Arrangement			6L	
Valves per cylinder			2	
Cycle			Diesel 4 stroke	
Injection system			Mechanical	
Air intake			TAA	
Housing flywheel			SAE 3	
Flywheel			11" 1/2	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	212.5 (39) [33.2]	216.0 (44.2) [37.2]
	Full load	g/kWh (l/h) [kg/h]	212.7 (36) [29.9]	217.5 (40.1) [33.7]
	80%	g/kWh (l/h) [kg/h]	213.8 (29) [24.0]	220.4 (32.5) [27.3]
	50%	g/kWh (l/h) [kg/h]	215.0 (18) [15.1]	224.7 (20.7) [17.4]
Fuel specifications			EN 590	
Fuel tank capacity		L	180	
Dimensions	L x W x H	mm	2800 x 780 x 1423	
Dry weight		kg	~ 1440	

Performance		1500 rpm	1800 rpm
Continuous Power			
Prime Power	kVA (kWe)	160 (128)	170 (136)
Stand-By Power	kVA (kWe)	176 (141)	187 (150)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G2 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned, for tropical climates. The radiator is fixed to the base frame and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 180 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator. Special certified fuel tanks with automatic refill are available on request.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications			1500 rpm	1800 rpm
Engine model			N67 TE2A	
Arrangement			6L	
Valves per cylinder			4	
Cycle			Diesel 4 stroke	
Injection system			Electronic Common Rail	
Air intake			TAA	
Housing flywheel			SAE 3	
Flywheel			11" 1/2	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	204.7 (48) [40.3]	-
	Full load	g/kWh (l/h) [kg/h]	205.5 (44) [37]	-
	80%	g/kWh (l/h) [kg/h]	207 (35.7) [30]	-
	50%	g/kWh (l/h) [kg/h]	217.5 (25.6) [21.5]	-
Fuel specifications			EN 590	
Fuel tank capacity		L	180	
Dimensions	L x W x H	mm	2800 x 780 x 1423	
Dry weight		kg	~ 1570	

Performance		1500 rpm	1800 rpm
Continuous Power			
Prime Power	kVA (kW _e)	200 (160)	225 (180)
Stand-By Power	kVA (kW _e)	220 (176)	248 (198)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G3 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned, for tropical climates. The radiator is fixed to the base frame and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 180 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator. Special certified fuel tanks with automatic refill are available on request.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications			1500 rpm	1800 rpm
Engine model			C87 TE1D	
Arrangement			6L	
Valves per cylinder			4	
Cycle			Diesel 4 stroke	
Injection system			Electronic Common Rail	
Air intake			TAA	
Housing flywheel			SAE 1	
Flywheel			14"	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	200.9 (64.5) [53.8]	205 (72.3) [60.7]
	Full load	g/kWh (l/h) [kg/h]	205.4 (58.5) [49.1]	204.5 (64.3) [54.7]
	80%	g/kWh (l/h) [kg/h]	209.3 (47.6) [40]	215 (54) [45.4]
	50%	g/kWh (l/h) [kg/h]	225 (35.4) [29.7]	225 (38.8) [32.6]
Fuel specifications			EN 590	
Fuel tank capacity			L	500
Dimensions		L x W x H	mm	3020 x 1055 x 1690
Dry weight			kg	~ 1950

Performance		1500 rpm	1800 rpm
Continuous Power			
Prime Power	kVA (kW _e)	250 (200)	270 (216)
Stand-By Power	kVA (kW _e)	275 (220)	297 (238)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

GE C250 ED

250 kVA (50 Hz) @ 1500 rpm
270 kVA (60 Hz) @ 1800 rpm

Stage II / Tier 3

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G3 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned, for tropical climates. The radiator is fixed to the base frame and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 500 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications			1500 rpm	1800 rpm
Engine model			C10 TE1D	
Arrangement			6L	
Valves per cylinder			4	
Cycle			Diesel 4 stroke	
Injection system			Electronic Unit Injector	
Air intake			TAA	
Housing flywheel			SAE 1	
Flywheel			14"	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	194.8 (70.2) [59]	209.7 (83.7) [70.3]
	Full load	g/kWh (l/h) [kg/h]	192 (62.8) [52.8]	210.5 (76.4) [64.2]
	80%	g/kWh (l/h) [kg/h]	198 (53.7) [45.1]	219.8 (63.8) [55.3]
	50%	g/kWh (l/h) [kg/h]	202.5 (36.4) [30.6]	218.6 (43.7) [36.7]
Fuel specifications			EN 590	
Fuel tank capacity			L	500
Dimensions		L x W x H	mm	3530 x 1100 x 1740
Dry weight			kg	~ 2500

Performance		1500 rpm	1800 rpm
Continuous Power			
Prime Power	kVA (kW _e)	300 (240)	330 (264)
Stand-By Power	kVA (kW _e)	330 (264)	363 (290)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

GE C300 ED

300 kVA (50 Hz) @ 1500 rpm
330 kVA (60 Hz) @ 1800 rpm

Stage II / Tier 3

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G3 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned, for tropical climates. The radiator is fixed to the base frame and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 500 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications			1500 rpm	1800 rpm
Engine model			C13 TE2A	
Arrangement			6L	
Valves per cylinder			4	
Cycle			Diesel 4 stroke	
Injection system			Electronic Unit Injector	
Air intake			TAA	
Housing flywheel			SAE 1	
Flywheel			14"	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	189.6 (77.9) [65.4]	198.4 (91.0) [76.4]
	Full load	g/kWh (l/h) [kg/h]	187.5 (70.0) [58.8]	182.6 (76.1) [63.9]
	80%	g/kWh (l/h) [kg/h]	191.8 (57.3) [48.1]	202.2 (67.4) [56.6]
	50%	g/kWh (l/h) [kg/h]	207.8 (38.8) [32.6]	210.2 (43.8) [36.8]
Fuel specifications			EN 590	
Fuel tank capacity		L	500	
Dimensions		L x W x H	mm	
			3530 x 1100 x 1740	
Dry weight		kg	~ 2650	

Performance		1500 rpm	1800 rpm
Continuous Power			
Prime Power	kVA (kW _e)	350 (280)	380 (304)
Stand-By Power	kVA (kW _e)	385 (308)	418 (334)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G3 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned, for tropical climates. The radiator is fixed to the base frame and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 500 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications			1500 rpm	1800 rpm
Engine model			C13 TE3A	
Arrangement			6L	
Valves per cylinder			4	
Cycle			Diesel 4 stroke	
Injection system			Electronic Unit Injector	
Air intake			TAA	
Housing flywheel			SAE 1	
Flywheel			14"	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	208.1 (98.5) [82.7]	219 (108.7) [91.3]
	Full load	g/kWh (l/h) [kg/h]	208 (87.5) [73.5]	214.3 (98.1) [82.4]
	80%	g/kWh (l/h) [kg/h]	203.6 (72.5) [60.9]	222.1 (82.5) [69.3]
	50%	g/kWh (l/h) [kg/h]	205 (48.6) [40.8]	222.1 (55) [46.2]
Fuel specifications			EN 590	
Fuel tank capacity			L	500
Dimensions		L x W x H	mm	3530 x 1286 x 1938
Dry weight			kg	~ 2780

Performance		1500 rpm	1800 rpm
Continuous Power			
Prime Power	kVA (kWe)	400 (320)	420 (336)
Stand-By Power	kVA (kWe)	440 (352)	462 (370)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G3 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned, for tropical climates. The radiator is fixed to the base frame and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled..

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 500 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

1/ GENERAL**1500 rpm****1800 rpm**

Engine model	V20 TE1		
Number cylinders	8		
Cylinder arrangement	V form 90°		
Valves per cylinder	4		
Cycle	diesel 4 stroke		
Injection system	direct common rail		
Induction system	Turbo aftercooler air/air		
Housing flywheel	SAE 0		
Flywheel	18"		
Fuel consumption at			
	Stand-By	gr/kWh (l/h) [kg/h]	202.4 (147.6) [123.45] 215.0 (174.8) [146.2]
	Full load	gr/kWh (l/h) [kg/h]	209.8 (138.8) [116.2] 216.1 (160) [133.8]
	80%	gr/kWh (l/h) [kg/h]	199.2 (105.7) [88.5] 215.8 (127.6) [106.8]
	50%	gr/kWh (l/h) [kg/h]	212.4 (70.2) [58.8] 228.5 (84.2) [70.8]
Fuel specifications	EN 590		
Fuel tank capacity		liters	500
GE dimensions	L x W x H	mm	3536 X 1563 X 2294
GE dry weight		kg	~ 4930

2/ GE PERFORMANCE**1500 rpm****1800 rpm**

Continuous Power			
Prime Power	kVA (kWe)	650 (520)	700 (560)
Stand-By Power	kVA (kWe)	715 (572)	770 (616)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G3 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned. for tropical climates. The radiator is fixed to the base frame and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 500 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator Oversized fuel tanks and special certified fuel tanks with automatic refill are available on request.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

1/ GENERAL**1500 rpm****1800 rpm**

Engine model	V20 TE2		
Number cylinders	8		
Cylinder arrangement	V form 90°		
Valves per cylinder	4		
Cycle	diesel 4 stroke		
Injection system	direct common rail		
Induction system	Turbo aftercooler air/air		
Housing flywheel	SAE 0		
Flywheel	18"		
Fuel consumption at			
	Stand-By	gr/kWh (l/h) [kg/h]	197.6 (158.5) [132.4] 208.9 (187.6) [156.6]
	Full load	gr/kWh (l/h) [kg/h]	198.1 (144.5) [120.7] 212.7 (174.2) [145.0]
	80%	gr/kWh (l/h) [kg/h]	199.7 (116.6) [97.3] 214.2 (139.8) [116.7]
	50%	gr/kWh (l/h) [kg/h]	211.6 (77.3) [64.5] 228.1 (93.1) [77.8]
Fuel specifications	EN 590		
Fuel tank capacity		liters	500
GE dimensions	L x W x H	mm	3536 X 1563 X 2294
GE dry weight		kg	~ 4930

2/ GE PERFORMANCE**1500 rpm****1800 rpm**

Continuous Power			
Prime Power	kVA (kWe)	720 (575)	800 (640)
Stand-By Power	kVA (kWe)	800 (640)	880 (705)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G3 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned. for tropical climates. The radiator is fixed to the base frame and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 500 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator Oversized fuel tanks and special certified fuel tanks with automatic refill are available on request.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications

Engine model	F32 SM1A		
Arrangement	4L		
Valves per cylinder	2		
Cycle	Diesel 4 stroke		
Injection system	Mechanical		
Air intake	TC		
Housing flywheel	SAE 3		
Flywheel	11"1/2		
Specific fuel consumption at:			
	Stand-By	g/kWh (l/h) [kg/h]	229.3 (11.7) [9.6]
	Full load	g/kWh (l/h) [kg/h]	228.7 (10.6) [8.7]
	80%	g/kWh (l/h) [kg/h]	230 (8.5) [7.0]
	50%	g/kWh (l/h) [kg/h]	241 (5.6) [4.6]
Fuel specifications	EN 590		
Fuel tank capacity	L		80
Dimensions	L x W x H	mm	1836 x 730 x 1416
Dry weight	kg		~ 635

Performance

Prime Power	kVA (kWe)	40 (32)
Stand-By Power	kVA (kWe)	44 (35)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G2 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned for tropical climates. The radiator is fixed to the engine and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator; 12 wires, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC 34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled..

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 80 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications

Engine model	F32 TM1A		
Arrangement	4L		
Valves per cylinder	2		
Cycle	Diesel 4 stroke		
Injection system	Mechanical		
Air intake	TAA		
Housing flywheel	SAE 3		
Flywheel	11"1/2		
Specific fuel consumption at:			
	Stand-By	g/kWh (l/h) [kg/h]	217,8 (13,7) [11,3]
	Full load	g/kWh (l/h) [kg/h]	219 (12,6) [10,35]
	80%	g/kWh (l/h) [kg/h]	220 (10,2) [8,3]
	50%	g/kWh (l/h) [kg/h]	225,5 (6,5) [5,3]
Fuel specifications	EN 590		
Fuel tank capacity	L		80
Dimensions	L x W x H	mm	1836 x 730 x 1416
Dry weight	kg		~ 730

Performance

Prime Power	kVA (kWe)	50 (40)
Stand-By Power	kVA (kWe)	55 (44)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G2 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned for tropical climates. The radiator is fixed to the engine and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator; 12 wires, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC 34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled..

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 80 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications

Engine model	F32 TM1A		
Arrangement	4L		
Valves per cylinder	2		
Cycle	Diesel 4 stroke		
Injection system	Mechanical		
Air intake	TAA		
Housing flywheel	SAE 3		
Flywheel	11"1/2		
Specific fuel consumption at:			
	Stand-By	g/kWh (l/h) [kg/h]	217,8 (13,7) [11,3]
	Full load	g/kWh (l/h) [kg/h]	219 (12,6) [10,35]
	80%	g/kWh (l/h) [kg/h]	220 (10,2) [8,3]
	50%	g/kWh (l/h) [kg/h]	225,5 (6,5) [5,3]
Fuel specifications	EN 590		
Fuel tank capacity	L	80	
Dimensions	L x W x H	mm	1836 x 730 x 1416
Dry weight	kg	~ 730	

Performance

Prime Power	kVA (kWe)	50 (40)
Stand-By Power	kVA (kWe)	55 (44)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G2 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned. for tropical climates. The radiator is fixed to the engine and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator; 12 wires, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC 34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled..

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 80 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications			1500 rpm	1800 rpm
Engine model			N45 AM1A	
Arrangement			4L	
Valves per cylinder			2	
Cycle			Diesel 4 stroke	
Injection system			Mechanical	
Air intake			NA	
Housing flywheel			SAE 3	
Flywheel			11" 1/2	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	224.9 (12.58) [10.57]	-
	Full load	g/kWh (l/h) [kg/h]	223 (11.3) [9.5]	-
	80%	g/kWh (l/h) [kg/h]	228.6 (9.2) [7.8]	-
	50%	g/kWh (l/h) [kg/h]	235.9 (6.4) [5.3]	-
Fuel specifications			EN 590	
Fuel tank capacity		L	180	
Dimensions	L x W x H	mm	2300 x 730 x 1285	
Dry weight		kg	~ 852	

Performance		1500 rpm	1800 rpm
Continuous Power			
Prime Power	kVA (kW _e)	45 (36)	50 (53)
Stand-By Power	kVA (kW _e)	49.5 (40)	55 (44)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G2 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned for tropical climates. The radiator is fixed to the engine and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 180 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications			1500 rpm	1800 rpm
Engine model			N45 SM1A	
Arrangement			4L	
Valves per cylinder			2	
Cycle			Diesel 4 stroke	
Injection system			Mechanical	
Air intake			TC	
Housing flywheel			SAE 3	
Flywheel			11" 1/2	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	210.0 (15.0) [12.6]	211.9 (16.9) [14.2]
	Full load	g/kWh (l/h) [kg/h]	210.8 (13.7) [11.5]	213.4 (15.5) [13.0]
	80%	g/kWh (l/h) [kg/h]	210.2 (10.2) [8.60]	214.5 (11.7) [9.80]
	50%	g/kWh (l/h) [kg/h]	216.30 (7.0) [5.90]	226.6 (8.20) [6.90]
Fuel specifications			EN 590	
Fuel tank capacity		L	180	
Dimensions	L x W x H	mm	2300 x 730 x 1322	
Dry weight		kg	~ 886	

Performance		1500 rpm	1800 rpm
Continuous Power			
Prime Power	kVA (kWe)	60 (48)	66 (53)
Stand-By Power	kVA (kWe)	66 (53)	73 (58)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G2 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned for tropical climates. The radiator is fixed to the engine and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 180 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications			1500 rpm	1800 rpm
Engine model			N45 SM2A-5	
Arrangement			4L	
Valves per cylinder			2	
Cycle			Diesel 4 stroke	
Injection system			Mechanical	
Air intake			TC	
Housing flywheel			SAE 3	
Flywheel			11" 1/2	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	216.2 (19.0) [16.0]	-
	Full load	g/kWh (l/h) [kg/h]	214.1 (17.1) [14.4]	-
	80%	g/kWh (l/h) [kg/h]	212.1 (12.7) [10.7]	-
	50%	g/kWh (l/h) [kg/h]	214.1 (8.60) [7.20]	-
Fuel specifications			EN 590	
Fuel tank capacity		L	180	
Dimensions	L x W x H	mm	2300 x 730 x 1322	
Dry weight		kg	~ 902	

Performance				1500 rpm	1800 rpm
Continuous Power					
Prime Power				kVA (kW _e)	75 (60)
Stand-By Power				kVA (kW _e)	82 (66)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G2 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned for tropical climates. The radiator is fixed to the engine and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 180 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications			1500 rpm	1800 rpm
Engine model			N45 TM1A	
Arrangement			4L	
Valves per cylinder			2	
Cycle			Diesel 4 stroke	
Injection system			Mechanical	
Air intake			TAA	
Housing flywheel			SAE 3	
Flywheel			11" 1/2	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	206.9 (21.4) [18.0]	220.4 (25.7) [21.6]
	Full load	g/kWh (l/h) [kg/h]	204.8 (19.3) [16.2]	220.0 (23.3) [19.6]
	80%	g/kWh (l/h) [kg/h]	204.0 (14.4) [12.1]	220.0 (17.5) [14.7]
	50%	g/kWh (l/h) [kg/h]	207.4 (9.80) [8.20]	229.0 (12.1) [10.2]
Fuel specifications			EN 590	
Fuel tank capacity			L	180
Dimensions		L x W x H	mm	2300 x 730 x 1475
Dry weight			kg	~ 1130

Performance		1500 rpm	1800 rpm
Continuous Power			
Prime Power	kVA (kWe)	85 (68)	100 (80)
Stand-By Power	kVA (kWe)	94 (75)	110 (88)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

GE N85 MA

85 kVA (50 Hz) @ 1500 rpm
100 kVA (60 Hz) @ 1800 rpm

Tier 2

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G2 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned for tropical climates. The radiator is fixed to the engine and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 180 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications			1500 rpm	1800 rpm
Engine model			N45 TM2A	
Arrangement			4L	
Valves per cylinder			2	
Cycle			Diesel 4 stroke	
Injection system			Mechanical	
Air intake			TAA	
Housing flywheel			SAE 3	
Flywheel			11" 1/2	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	209.2 (24.4) [20.5]	221.8 (29.0) [24.4]
	Full load	g/kWh (l/h) [kg/h]	207.7 (22.0) [18.4]	221.0 (26.3) [22.1]
	80%	g/kWh (l/h) [kg/h]	203.5 (16.2) [13.6]	220.0 (19.6) [16.5]
	50%	g/kWh (l/h) [kg/h]	206.5 (11.0) [9.20]	226.0 (13.5) [11.3]
Fuel specifications			EN 590	
Fuel tank capacity		L	180	
Dimensions	L x W x H	mm	2300 x 730 x 1475	
Dry weight		kg	~ 1160	

Performance		1500 rpm	1800 rpm
Continuous Power			
Prime Power	kVA (kWe)	100 (80)	110 (88)
Stand-By Power	kVA (kWe)	110 (88)	121 (97)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G2 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned, for tropical climates. The radiator is fixed to the base frame and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 180 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

Specifications			1500 rpm	1800 rpm
Engine model			N67 SM1	
Arrangement			6L	
Valves per cylinder			2	
Cycle			Diesel 4 stroke	
Injection system			Mechanical	
Air intake			TC	
Housing flywheel			SAE 3	
Flywheel			11" 1/2	
Specific fuel consumption at:				
	Stand-By	g/kWh (l/h) [kg/h]	206.9 (32.0) [26.9]	216.1 (38.1) [32.0]
	Full load	g/kWh (l/h) [kg/h]	208.1 (29.3) [24.6]	217.1 (34.8) [29.2]
	80%	g/kWh (l/h) [kg/h]	228.0 (24.1) [20.2]	237.6 (28.5) [24.0]
	50%	g/kWh (l/h) [kg/h]	225.0 (15.8) [13.3]	239.4 (18.3) [16.1]
Fuel specifications			EN 590	
Fuel tank capacity		L	180	
Dimensions	L x W x H	mm	2800 x 780 x 1423	
Dry weight		kg	~ 1300	

Performance		1500 rpm	1800 rpm
Continuous Power			
Prime Power	kVA (kWe)	125 (100)	145 (116)
Stand-By Power	kVA (kWe)	138 (110)	160 (128)

Performance according to ISO 8528 conditions.

Dry weight with standard accessories (may change in function of the alternator).

Power factor 0.8.

PRIME POWER

The Prime Power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER

This is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. Any kind of overload is permissible for this use.

CONTINUOUS POWER

Contact the FPT sales organization.

MAIN FEATURES

1. ENGINE DRIVE

FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G2 class.

2. COOLING SYSTEM

Radiator and pusher fan dimensioned, for tropical climates. The radiator is fixed to the base frame and is equipped with adequate security protection guards.

3. ALTERNATOR

Single bearing synchronous brushless alternator; 12 wires, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC341.

4. MOUNTING ARRANGEMENT

4.1 Base Frame

The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling

Engine and alternator are directly coupled.

5. FUEL SYSTEM

Thermoplastic fuel tank with a total capacity of 180 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator. Special certified fuel tanks with automatic refill are available on request.

6. CONTROL PANEL

Manual and Automatic control panels are available in different configurations.

7. OPTIONS

Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION

A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS

Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.