



Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

We have ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO10002:2006 management system certificates from Kiwa & MEYER, an accredited independent quality organization.

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ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m
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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed - Low radiator water level
- Start/stop failure

Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 33 kVA

MODEL				E IV EG 0033	
			kVA	33	
		STAND BY	kW	26	
	GEN-SET POWER		kVA	30	
P P		PRIME	kW	24	
GROUP	CANOPY DIMESNION (L	.xHxW) mm		1000 x 2450 x 1610	
	CANOPY WEIGHT kg			920	
	OPEN DIMENSION (L x	H x W) mm		1000 x 2050 x 1400	
	OPEN WEIGHT			725	
	BRAND			FPT IVECO	
	ТҮРЕ			S8000 AM1	
	DOWER	STAND BY	kW	29	
	POWER	PRIME	kW	32	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (It)			2,9	
	NUMBER OF CYLNDERS			3 IN LINE	
	BORE x STROKE (mm x	mm)		104 x 115	
ENGINE	COMPRESSION RATIO			17:01	
ENG	GOVERNOR TYPE			Mechanical	
	INDUCTION			Natural	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
		%100 PRIME POV	WER	7,7	
	FUEL CONSUMPTION lt / h	%75 PRIME POW	'ER	6	
		%50 PRIME POWER		4,3	
	TOTAL LUBRICATION SY	STEM CAPACITY	′ (lt)	8,8	
	TOTAL COOLANT CAPA	CITY (It)		N/A	
	FUEL TANK CAPACITY (I	t)			

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



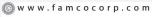






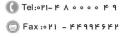








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Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

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ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m
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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed - Low radiator water level
- Start/stop failure

Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 44 kVA

MODEL				E IV EG 0044	
			kVA	44	
		STAND BY	kW	35	
	GEN-SET POWER		kVA	40	
UP		PRIME	kW	32	
GROUP	CANOPY DIMESNION (L	.xHxW)mm		1000 x 2450 x 1610	
	CANOPY WEIGHT kg			970	
	OPEN DIMENSION (L x	H x W) mm		1000 x 2050 x 1400	
	OPEN WEIGHT			775	
	BRAND			FPT IVECO	
	ТҮРЕ			F32 SM1A	
	DOWER	STAND BY	kW	41,5	
	POWER	PRIME	kW	37,7	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (It)			3,2	
	NUMBER OF CYLNDERS			4 IN LINE	
	BORE x STROKE (mm x	mm)		99 x 104	
ENGINE	COMPRESSION RATIO			17:01	
ENG	GOVERNOR TYPE			Mechanical	
	INDUCTION			Turbocharged	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
		%100 PRIME POV	WER	10,6	
	FUEL CONSUMPTION lt / h	%75 PRIME POW	'ER	8,5	
		%50 PRIME POW	'ER	5,6	
	TOTAL LUBRICATION SY	STEM CAPACITY	′ (lt)	10,5	
	TOTAL COOLANT CAPA	CITY (It)		19,3	
	FUEL TANK CAPACITY (I	t)			



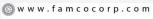




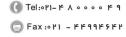
















Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

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ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m

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- EXTRA EQUIPMENTS
- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed
- Start/stop failure
- Low radiator water level



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 50 kVA

MODEL				E IV EG 0050
			kVA	50
		STAND BY	kW	40
	GEN-SET POWER		kVA	45
P		PRIME	kW	36
GROUP	CANOPY DIMESNION (L	.xHxW) mm		1000 x 2450 x 1610
	CANOPY WEIGHT kg			970
	OPEN DIMENSION (L x I	H x W) mm		1000 x 2050 x 1400
	OPEN WEIGHT			775
	BRAND			FPT IVECO
	ТҮРЕ			N45 AM1A
	POWER	STAND BY	kW	45
	POWER	PRIME	kW	41
	SPEED (rpm)			1500
	CYCLE			4
	DISPLACEMENT (It)			4,5
	NUMBER OF CYLNDERS			4 IN LINE
	BORE x STROKE (mm x	mm)		104 x 132
ENGINE	COMPRESSION RATIO			
ENG	GOVERNOR TYPE			Mechanical
	INDUCTION			Natural
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
		%100 PRIME POV	WER	9
	FUEL CONSUMPTION lt / h	%75 PRIME POW	/ER	6,7
		%50 PRIME POW	/ER	4,6
	TOTAL LUBRICATION SY	STEM CAPACITY	/ (lt)	12,8
	TOTAL COOLANT CAPA	CITY (It)		17
	FUEL TANK CAPACITY (I	t)		

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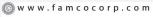






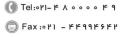








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Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

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ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m
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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed
- Start/stop failure
- Low radiator water level



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 55 kVA

MODEL				E IV EG 0055	
		a=	kVA	55	
		STAND BY	kW	44	
	GEN-SET POWER		kVA	50	
JU P		PRIME	kW	40	
GROUP	CANOPY DIMESNION (L	x H x W) mm		1000 x 2450 x 1610	
	CANOPY WEIGHT kg			970	
	OPEN DIMENSION (L x I	H x W) mm		1000 x 2050 x 1400	
	OPEN WEIGHT			775	
	BRAND			FPT IVECO	
	ТҮРЕ			N45 AM2	
	POWER	STAND BY	kW	49,7	
	FOWLK	PRIME	kW	45	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (It)			4,5	
	NUMBER OF CYLNDERS			4 IN LINE	
	BORE x STROKE (mm x	mm)		104 x 132	
ENGINE	COMPRESSION RATIO			17,5:1	
ENG	GOVERNOR TYPE			Mechanical	
	INDUCTION			Natural	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
		%100 PRIME POV	VER	11,6	
	FUEL CONSUMPTION lt / h	%75 PRIME POW	ER	9,8	
		%50 PRIME POW	ER	6,2	
	TOTAL LUBRICATION SY	STEM CAPACITY	(lt)	12,8	
	TOTAL COOLANT CAPA	CITY (It)		18,5	
	FUEL TANK CAPACITY (I	t)			





















Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
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- Tropical type radiator
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- Mobile trailer
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CANOPY

- Modular type sound-proof canopy
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- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed
- Start/stop failure
- Low radiator water level

Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 66 kVA

	MODE	L		E IV EG 0066	
			kVA	66	
		STAND BY	kW	53	
	GEN-SET POWER		kVA	60	
P		PRIME	kW	48	
GROUP	CANOPY DIMESNION (L	.xHxW)mm		1000 x 2450 x 1610	
	CANOPY WEIGHT kg			1085	
	OPEN DIMENSION (L x I	H x W) mm		1000 x 2050 x 1400	
	OPEN WEIGHT			890	
	BRAND			FPT IVECO	
	ТҮРЕ			N45 SM1A	
	DOWER	STAND BY	kW	59	
	POWER	PRIME	kW	53,3	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (It)			4,5	
	NUMBER OF CYLNDERS			4 IN LINE	
	BORE x STROKE (mm x	mm)		104 x 132	
ENGINE	COMPRESSION RATIO				
ENG	GOVERNOR TYPE			Mechanical	
	INDUCTION			Turbocharged	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
		%100 PRIME PO	WER	13,7	
	FUEL CONSUMPTION lt / h	%75 PRIME POW	/ER	10,2	
		%50 PRIME POW	/ER	7	
	TOTAL LUBRICATION SY	STEM CAPACITY	/ (lt)	12,8	
	TOTAL COOLANT CAPA	CITY (It)		18,5	
	FUEL TANK CAPACITY (I	t)			

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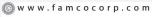






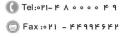








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Technical Specifications



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- IVECO series heavy duty diesel engine
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- Charge ammeter
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- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
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- PMG warning system

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- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed - Low radiator water level
- Start/stop failure

Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 90 kVA

MODEL				E IV EG 0090	
			kVA	90	
		STAND BY	kW	72	
	GEN-SET POWER		kVA	80	
P P		PRIME	kW	64	
GROUP	CANOPY DIMESNION (L	.xHxW)mm		1000 x 2880 x 1610	
	CANOPY WEIGHT kg			1230	
	OPEN DIMENSION (L x I	H x W) mm		1000 x 2400 x 1390	
	OPEN WEIGHT			1010	
	BRAND			FPT IVECO	
	ТҮРЕ			N45 SM3	
	POWER	STAND BY	kW	81	
	POWER	PRIME	kW	73,3	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (It)			4,5	
	NUMBER OF CYLNDERS			4 IN LINE	
	BORE x STROKE (mm x	mm)		104 x 132	
ENGINE	COMPRESSION RATIO			17,5:1	
ENG	GOVERNOR TYPE			Mechanical	
	INDUCTION			Turbocharged	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
		%100 PRIME POV	WER	19,4	
	FUEL CONSUMPTION lt / h	%75 PRIME POW	'ER	15,4	
		%50 PRIME POWER		9,6	
	TOTAL LUBRICATION SY	STEM CAPACITY	′ (lt)	12,8	
	TOTAL COOLANT CAPA	CITY (It)		18,5	
	FUEL TANK CAPACITY (I	t)			





















Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

We have ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO10002:2006 management system certificates from Kiwa & MEYER, an accredited independent quality organization.

Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m
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EXTRA EQUIPMENTS - Charge ammeter

- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed - Low radiator water level
- Start/stop failure



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



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IVECO Series Diesel Generator Set 112 kVA

MODEL				E IV EG 0112
			kVA	112
		STAND BY	kW	90
	GEN-SET POWER		kVA	101
P		PRIME	kW	81,12
GROUP	CANOPY DIMESNION (L	x H x W) mm		1000 x 2880 x 1610
	CANOPY WEIGHT kg			1350
	OPEN DIMENSION (L x I	H x W) mm		1000 x 2400 x 1390
	OPEN WEIGHT			1130
	BRAND			FPT IVECO
	ТҮРЕ			N45 TM2A
	DOWER	STAND BY	kW	96
	POWER	PRIME	kW	87
	SPEED (rpm)			1500
	CYCLE			4
	DISPLACEMENT (It)			4,5
	NUMBER OF CYLNDERS			4 IN LINE
	BORE x STROKE (mm x	mm)		104 x 132
ENGINE	COMPRESSION RATIO			
ENG	GOVERNOR TYPE			Mechanical
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
		%100 PRIME POV	WER	22
	FUEL CONSUMPTION It / h	%75 PRIME POW	'ER	16,2
		%50 PRIME POWER		11
	TOTAL LUBRICATION SY	STEM CAPACITY	(lt)	12,8
	TOTAL COOLANT CAPA	CITY (It)		18,5
	FUEL TANK CAPACITY (I	t)		





















Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

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Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m

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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed - Low radiator water level
- Start/stop failure



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 143 kVA

MODEL				E IV EG 0143
			kVA	143
		STAND BY	kW	114
	GEN-SET POWER		kVA	130
JU P		PRIME	kW	104
GROUP	CANOPY DIMESNION (L	x H x W) mm		1050 x 3180 x 1870
	CANOPY WEIGHT kg			1750
	OPEN DIMENSION (L x	H x W) mm		1050 x 2700 x 1650
	OPEN WEIGHT			1505
	BRAND			FPT IVECO
	ТҮРЕ			N67 TM2A
	DOWED	STAND BY	kW	125
	POWER	PRIME	kW	114
	SPEED (rpm)			1500
	CYCLE			4
	DISPLACEMENT (It)			6,7
	NUMBER OF CYLNDERS	,		6 IN LINE
	BORE x STROKE (mm x	mm)		104 x 132
ENGINE	COMPRESSION RATIO			
ENG	GOVERNOR TYPE			Mechanical
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
		%100 PRIME PO	NER	29
	FUEL CONSUMPTION It / h	%75 PRIME POW	'ER	24
		%50 PRIME POWER		16
	TOTAL LUBRICATION SY	STEM CAPACITY	′ (lt)	17,2
	TOTAL COOLANT CAPA	CITY (It)		40,5
	FUEL TANK CAPACITY (I	t)		

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



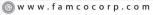














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Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

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We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m

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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed - Low radiator water level
- Start/stop failure



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 176 kVA

	MODE	L		E IV EG 0176
			kVA	176
		STAND BY	kW	141
	GEN-SET POWER		kVA	160
JO D		PRIME	kW	128
GROUP	CANOPY DIMESNION (L	x H x W) mm		1050 x 3180 x 1870
	CANOPY WEIGHT kg			1750
	OPEN DIMENSION (L x I	H x W) mm		1050 x 2700 x 1650
	OPEN WEIGHT			1505
	BRAND			FPT IVECO
	ТҮРЕ			N67 TM3A
	POWER	STAND BY	kW	152
	POWER	PRIME	kW	138
	SPEED (rpm)			1500
	CYCLE			4
	DISPLACEMENT (It)			6,7
	NUMBER OF CYLNDERS			6 IN LINE
	BORE x STROKE (mm x	mm)		104 x 132
ENGINE	COMPRESSION RATIO			
ENG	GOVERNOR TYPE			Mechanical
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
		%100 PRIME PO	WER	36
	FUEL CONSUMPTION It / h	%75 PRIME POW	/ER	29
		%50 PRIME POWER		18
	TOTAL LUBRICATION SY	STEM CAPACITY	/ (lt)	17,2
	TOTAL COOLANT CAPAC	CITY (It)		40,5
	FUEL TANK CAPACITY (I	t)		



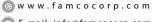




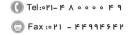
















Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

We have ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO10002:2006 management system certificates from Kiwa & MEYER, an accredited independent quality organization.

Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil
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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed - Low radiator water level
- Start/stop failure

Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



IVECO Series Diesel Generator Set 220 kVA

	MODEL			E IV EG 0220
			kVA	220
		STAND BY	kW	176
	GEN-SET POWER		kVA	200
JU P		PRIME	kW	160
GROUP	CANOPY DIMESNION (L	x H x W) mm		1050 x 3580 x 1870
	CANOPY WEIGHT kg			1940
	OPEN DIMENSION (L x	H x W) mm		1050 x 3100 x 1650
	OPEN WEIGHT			1680
	BRAND			FPT IVECO
	TYPE			N67 TM7
	DOW/ED	STAND BY	kW	194
	POWER	PRIME	kW	176,5
	SPEED (rpm)			1500
	CYCLE			4
	DISPLACEMENT (It)			6,7
	NUMBER OF CYLNDERS	,		6 IN LINE
	BORE x STROKE (mm x	mm)		104 x 132
ENGINE	COMPRESSION RATIO			17,5
ENG	GOVERNOR TYPE			Mechanical
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
		%100 PRIME PO	WER	42,1
	FUEL CONSUMPTION lt / h	%75 PRIME POW	/ER	37,3
		%50 PRIME POWER		24
	TOTAL LUBRICATION SY	STEM CAPACITY	/ (lt)	17,2
	TOTAL COOLANT CAPA	CITY (It)		25,5
	FUEL TANK CAPACITY (I	lt)		

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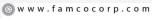






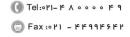








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Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

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Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m

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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed - Low radiator water level
- Start/stop failure

Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 250 kVA

MODEL				E IV EG 0250
			kVA	250
		STAND BY	kW	200
	GEN-SET POWER		kVA	225
P		PRIME	kW	180
GROUP	CANOPY DIMESNION (L	x H x W) mm		1150 x 3820 x 2460
	CANOPY WEIGHT kg			2500
	OPEN DIMENSION (L x I	H x W) mm		1150 x3340 x 1900
	OPEN WEIGHT			2200
	BRAND			FPT IVECO
	ТҮРЕ			N67 NEW
	POWER	STAND BY	kW	
	FOWER	PRIME	kW	
	SPEED (rpm)			
	CYCLE			
	DISPLACEMENT (It)			
	NUMBER OF CYLNDERS			
	BORE x STROKE (mm x i	mm)		
ENGINE	COMPRESSION RATIO			
EN	GOVERNOR TYPE			
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
		%100 PRIME PO	WER	
	FUEL CONSUMPTION It / h	%75 PRIME POW	/ER	
		%50 PRIME POWER		
	TOTAL LUBRICATION SY	STEM CAPACITY	/ (lt)	
	TOTAL COOLANT CAPAC	CITY (It)		
	FUEL TANK CAPACITY (I	t)		



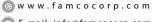


















Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

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ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m
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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage - Start/stop failure
- High & low engine speed - Low radiator water level
 - Easy maintenance canopy design





Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 275 kVA

	MODE	L		E IV EG 0275
			kVA	275
		STAND BY	kW	220
	GEN-SET POWER		kVA	250
P P		PRIME	kW	200
GROUP	CANOPY DIMESNION (L	x H x W) mm		1150 x 3820 x 2460
	CANOPY WEIGHT kg			2515
	OPEN DIMENSION (L x I	H x W) mm		1150 x3340 x 1900
	OPEN WEIGHT			2220
	BRAND			FPT IVECO
	ТҮРЕ			C87 TE3
	POWER	STAND BY	kW	249
	POWER	PRIME	kW	229
	SPEED (rpm)			1500
	CYCLE			4
	DISPLACEMENT (It)			8,7
	NUMBER OF CYLNDERS			6 IN LINE
	BORE x STROKE (mm x	mm)		117 x 135
ENGINE	COMPRESSION RATIO			15,9
ENG	GOVERNOR TYPE			Electronic
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
		%100 PRIME PO	WER	55,3
	FUEL CONSUMPTION It / h	%75 PRIME POW	/ER	45,2
		%50 PRIME POWER		30
	TOTAL LUBRICATION SY	STEM CAPACITY	/ (lt)	28
	TOTAL COOLANT CAPA	CITY (It)		58
	FUEL TANK CAPACITY (I	t)		

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

















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Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

We have ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO10002:2006 management system certificates from Kiwa & MEYER, an accredited independent quality organization.

Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m
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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage Start/stop failure
- High & low engine speed - Low radiator water level
 - Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 300 kVA

	MODE	L		E IV EG 0300
	GEN-SET POWER	STAND BY	kVA	300
			kW	240
			kVA	275
P P		PRIME	kW	220
GROUP	CANOPY DIMESNION (L x H x W) mm			1150 x 3820 x 2460
	CANOPY WEIGHT kg			2520
	OPEN DIMENSION (L x I	H x W) mm		1150 x3340 x 1900
	OPEN WEIGHT			2220
	BRAND			FPT IVECO
	ТҮРЕ			C87 TE1D
	POWER	STAND BY	kW	256
	POWER	PRIME	kW	232
	SPEED (rpm)			1500
	CYCLE			4
	DISPLACEMENT (It)			8,7
	NUMBER OF CYLNDERS			6 IN LINE
	BORE x STROKE (mm x mm)			117 x 135
ENGINE	COMPRESSION RATIO			
ENG	GOVERNOR TYPE			Electronic
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
		%100 PRIME POWER		61
	FUEL CONSUMPTION lt / h	%75 PRIME POWER		55
		%50 PRIME POWER		30,7
	TOTAL LUBRICATION SYSTEM CAPACITY (It)			28
	TOTAL COOLANT CAPACITY (It)			63
	FUEL TANK CAPACITY (It)			



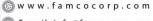


















Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

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Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m
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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed - Low radiator water level
- Start/stop failure

Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 332 kVA

MODEL				E IV EG 0332
	GEN-SET POWER	STAND BY	kVA	332
			kW	266
			kVA	305
P P		PRIME	kW	244
GROUP	CANOPY DIMESNION (L x H x W) mm			1150 x 3820 x 2460
	CANOPY WEIGHT kg			2670
	OPEN DIMENSION (L x H	нх W) mm		1150 x3340 x 1900
	OPEN WEIGHT			2370
	BRAND			FPT IVECO
	ТҮРЕ			C87 TE4
	POWER	STAND BY	kW	299
	FOWLK	PRIME	kW	275
	SPEED (rpm)			1500
	CYCLE			4
	DISPLACEMENT (It)			8,7
	NUMBER OF CYLNDERS			6 IN LINE
	BORE x STROKE (mm x i	mm)		117 x 135
ENGINE	COMPRESSION RATIO			
ENG	GOVERNOR TYPE			Electronic
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
		%100 PRIME POWER		66,6
	FUEL CONSUMPTION lt / h	%75 PRIME POWER		52,6
		%50 PRIME POWER		37,3
	TOTAL LUBRICATION SYSTEM CAPACITY (It)			28
	TOTAL COOLANT CAPACITY (It)			58
	FUEL TANK CAPACITY (It)			

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



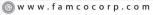






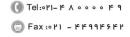








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Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

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Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m

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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage Start/stop failure
- High & low engine speed - Low radiator water level



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 385 kVA

MODEL				E IV EG 0385
	GEN-SET POWER	STAND BY	kVA	385
			kW	308
		PRIME	kVA	350
P P			kW	280
GROUP	CANOPY DIMESNION (L x H x W) mm			1500 x 4400 x 2660
	CANOPY WEIGHT kg			3520
	OPEN DIMENSION (L x H x W) mm			1500 x 3600 x 2200
	OPEN WEIGHT			3010
	BRAND			FPT IVECO
	ТҮРЕ			C13 TE2A
	POWER	STAND BY	kW	330
	POWER	PRIME	kW	300
	SPEED (rpm)			1500
	CYCLE			4
	DISPLACEMENT (It)			12,88
	NUMBER OF CYLNDERS			6 IN LINE
	BORE x STROKE (mm x	mm)		135 x 150
ENGINE	COMPRESSION RATIO			16,5:1
ENG	GOVERNOR TYPE			Electronic
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
		%100 PRIME PO	NER	70
	FUEL CONSUMPTION It / h	%75 PRIME POWER		57,3
		%50 PRIME POWER		38,8
	TOTAL LUBRICATION SYSTEM CAPACITY (It)			35
	TOTAL COOLANT CAPACITY (It)			67
	FUEL TANK CAPACITY (It)			

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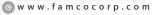






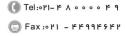








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Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

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Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m
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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed - Low radiator water level
- Start/stop failure

Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 440 kVA

MODEL				E IV EG 0440
		STAND BY	kVA	440
			kW	352
	GEN-SET POWER	PRIME	kVA	400
JU P			kW	320
GROUP	CANOPY DIMESNION (L x H x W) mm			1500 x 4400 x 2660
	CANOPY WEIGHT kg			3610
	OPEN DIMENSION (L x I	H x W) mm		1500 x 3600 x 2200
	OPEN WEIGHT			3105
	BRAND			FPT IVECO
	ТҮРЕ			C13 TE3A
	POWER	STAND BY	kW	387
	POWER	PRIME	kW	352
	SPEED (rpm)			1500
	CYCLE			4
	DISPLACEMENT (It)			12,88
	NUMBER OF CYLNDERS			6 IN LINE
	BORE x STROKE (mm x i	mm)		135 x 150
ENGINE	COMPRESSION RATIO			16,5:1
EN	GOVERNOR TYPE			Electronic
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
		%100 PRIME POWER		85,8
	FUEL CONSUMPTION lt / h	%75 PRIME POWER		70,4
		%50 PRIME POWER		42,8
	TOTAL LUBRICATION SYSTEM CAPACITY (It)			35
	TOTAL COOLANT CAPACITY (It)			68
	FUEL TANK CAPACITY (It)			

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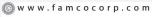






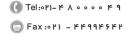








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Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

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ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m
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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed - Low radiator water level
- Start/stop failure

Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel





IVECO Series Diesel Generator Set 495 kVA

MODEL				E IV EG 0495
	GEN-SET POWER	STAND BY	kVA	495
			kW	396
		DDIME	kVA	450
GROUP		PRIME	kW	360
GRC	CANOPY DIMESNION (L x H x W) mm			1500 x 4400 x 2660
	CANOPY WEIGHT kg			3815
	OPEN DIMENSION (L x I	H x W) mm		1500 x 3600 x 2200
	OPEN WEIGHT			3310
	BRAND			FPT IVECO
	ТҮРЕ			C13 TE6W
	POWER	STAND BY	kW	414
	FOWLK	PRIME	kW	371
	SPEED (rpm)			1500
	CYCLE			4
	DISPLACEMENT (It)			12,88
	NUMBER OF CYLNDERS	i		6 IN LINE
	BORE x STROKE (mm x	mm)		135 x 150
ENGINE	COMPRESSION RATIO			16,5:1
ENG	GOVERNOR TYPE			Electronic
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
	FUEL CONSUMPTION It / h	%100 PRIME POWER		89,9
		%75 PRIME POWER		72,5
		%50 PRIME POWER		51,8
	TOTAL LUBRICATION SYSTEM CAPACITY (It)			32
	TOTAL COOLANT CAPA	CITY (It)		38,1
	FUEL TANK CAPACITY (I	t)		

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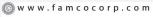






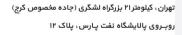






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Technical Specifications



ENGINE

- IVECO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

We have ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO10002:2006 management system certificates from Kiwa & MEYER, an accredited independent quality organization.

Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil w w w . f a m c o c o r p . c o m

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EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed - Low radiator water level
- Start/stop failure

Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



IVECO Series Diesel Generator Set 550 kVA

MODEL				E IV EG 0550
	GEN-SET POWER	STAND BY	kVA	550
			kW	440
			kVA	500
P		PRIME	kW	400
GROUP	CANOPY DIMESNION (L x H x W) mm			1500 x 4400 x 2660
	CANOPY WEIGHT kg			3850
	OPEN DIMENSION (L x I	H x W) mm		1500 x 3600 x 2200
	OPEN WEIGHT			3450
	BRAND			FPT IVECO
	ТҮРЕ			C13 TE7
	POWER	STAND BY	kW	459
	POWER	PRIME	kW	415
	SPEED (rpm)			1500
	CYCLE			4
	DISPLACEMENT (It)			12,88
	NUMBER OF CYLNDERS			6 IN LINE
	BORE x STROKE (mm x i	mm)		135 x 150
ENGINE	COMPRESSION RATIO			16,5:1
EN	GOVERNOR TYPE			Electronic
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
		%100 PRIME POWER		100,6
	FUEL CONSUMPTION lt / h	%75 PRIME POW	'ER	80,2
		%50 PRIME POWER		51,5
	TOTAL LUBRICATION SYSTEM CAPACITY (It)			32
	TOTAL COOLANT CAPACITY (It)			38,1
	FUEL TANK CAPACITY (It)			

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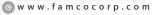








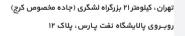






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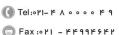
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Canopy made of galvanized steel





IVECO Series Diesel Generator Set 617 kVA

	MODE	L		E IV EG 0617
	GEN-SET POWER	STAND BY	kVA	617
			kW	494
		PRIME	kVA	595
P P			kW	476
GROUP	CANOPY DIMESNION (L x H x W) mm			1700 x 4400 x 2750
	CANOPY WEIGHT kg			4620
	OPEN DIMENSION (L x H x W) mm			1700 x 3600 x 2250
	OPEN WEIGHT			4070
	BRAND			FPT IVECO
	ТҮРЕ			C16 TE1W
	POWER	STAND BY	kW	559
	POWLK	PRIME	kW	503
	SPEED (rpm)			1500
	CYCLE			4
	DISPLACEMENT (It)			15,9
	NUMBER OF CYLNDERS			6 IN LINE
	BORE x STROKE (mm x mm)			141 x 170
ENGINE	COMPRESSION RATIO			15,5:1
ENG	GOVERNOR TYPE			Electronic
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT
	COOLING SYSTEM			WATER
		%100 PRIME POWER		113,1
	FUEL CONSUMPTION lt / h	%75 PRIME POW	'ER	90,4
		%50 PRIME POWER		57,4
	TOTAL LUBRICATION SYSTEM CAPACITY (It)			32
	TOTAL COOLANT CAPACITY (It)			52,5
	FUEL TANK CAPACITY (It)			

















