

## IVECO

### 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 extension 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.

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#### ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- 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 and acid.

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#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 33 kVA

MODEL				E IV EG 0033	
GROUP	GEN-SET POWER	STAND BY	kVA	33	
			kW	26	
		PRIME	kVA	30	
			kW	24	
	CANOPY DIMESNIION (L x H x W) 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	
ENGINE	BRAND			FPT IVECO	
	TYPE			S8000 AM1	
	POWER	STAND BY	kW	29	
		PRIME	kW	32	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			2,9	
	NUMBER OF CYLNDERS			3 IN LINE	
	BORE x STROKE (mm x mm)			104 x 115	
	COMPRESSION RATIO			17:01	
	GOVERNOR TYPE			Mechanical	
	INDUCTION			Natural	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		7,7	
		%75 PRIME POWER		6	
%50 PRIME POWER		4,3			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			8,8		
TOTAL COOLANT CAPACITY (lt)			N/A		
FUEL TANK CAPACITY (lt)					

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- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
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#### ALTERNATOR

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- 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 and acid.

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- 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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 44 kVA

MODEL				E IV EG 0044	
GROUP	GEN-SET POWER	STAND BY	kVA	44	
			kW	35	
		PRIME	kVA	40	
			kW	32	
	CANOPY DIMESNIION (L x H x W) 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	
ENGINE	BRAND			FPT IVECO	
	TYPE			F32 SM1A	
	POWER	STAND BY	kW	41,5	
		PRIME	kW	37,7	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			3,2	
	NUMBER OF CYLNDERS			4 IN LINE	
	BORE x STROKE (mm x mm)			99 x 104	
	COMPRESSION RATIO			17:01	
	GOVERNOR TYPE			Mechanical	
	INDUCTION			Turbocharged	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		10,6	
		%75 PRIME POWER		8,5	
		%50 PRIME POWER		5,6	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			10,5		
TOTAL COOLANT CAPACITY (lt)			19,3		
FUEL TANK CAPACITY (lt)					

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- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
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- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
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- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
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- Sound-proof canopy
- Mobile - trailer
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- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 50 kVA

MODEL				E IV EG 0050	
GROUP	GEN-SET POWER	STAND BY	kVA	50	
			kW	40	
		PRIME	kVA	45	
			kW	36	
	CANOPY DIMESNIION (L x H x W) 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	
ENGINE	BRAND			FPT IVECO	
	TYPE			N45 AM1A	
	POWER	STAND BY	kW	45	
		PRIME	kW	41	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			4,5	
	NUMBER OF CYLNDERS			4 IN LINE	
	BORE x STROKE (mm x mm)			104 x 132	
	COMPRESSION RATIO				
	GOVERNOR TYPE			Mechanical	
	INDUCTION			Natural	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		9	
		%75 PRIME POWER		6,7	
%50 PRIME POWER		4,6			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			12,8		
TOTAL COOLANT CAPACITY (lt)			17		
FUEL TANK CAPACITY (lt)					

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- Mobile - trailer
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- Fuel-water separator filter
- PMG warning system

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- Modular type sound-proof canopy
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- 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 55 kVA

MODEL				E IV EG 0055	
GROUP	GEN-SET POWER	STAND BY	kVA	55	
			kW	44	
		PRIME	kVA	50	
			kW	40	
	CANOPY DIMESNION (L x H x W) 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	
ENGINE	BRAND			FPT IVECO	
	TYPE			N45 AM2	
	POWER	STAND BY	kW	49,7	
		PRIME	kW	45	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			4,5	
	NUMBER OF CYLNDERS			4 IN LINE	
	BORE x STROKE (mm x mm)			104 x 132	
	COMPRESSION RATIO			17,5:1	
	GOVERNOR TYPE			Mechanical	
	INDUCTION			Natural	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		11,6	
		%75 PRIME POWER		9,8	
		%50 PRIME POWER		6,2	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			12,8		
TOTAL COOLANT CAPACITY (lt)			18,5		
FUEL TANK CAPACITY (lt)					

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## IVECO

### Technical Specifications



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- PMG warning system

#### CANOPY

- Modular type sound-proof canopy
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- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

#### AUTOMATIC CONTROL PANEL

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

#### GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
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- Over current load
- High & low genset voltage
- Start/stop failure



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 66 kVA

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

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#### AUTOMATIC CONTROL PANEL

- LCD display screen
- Battery charger
- Hardware and materials needed
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#### GEN-SET SAFETY PROTECTION & ALARMS

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Easy maintenance canopy design



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Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 90 kVA

MODEL				E IV EG 0090	
GROUP	GEN-SET POWER	STAND BY	kVA	90	
			kW	72	
		PRIME	kVA	80	
			kW	64	
	CANOPY DIMESNIION (L x H x W) mm			1000 x 2880 x 1610	
	CANOPY WEIGHT kg			1230	
	OPEN DIMENSION (L x H x W) mm			1000 x 2400 x 1390	
	OPEN WEIGHT			1010	
ENGINE	BRAND			FPT IVECO	
	TYPE			N45 SM3	
	POWER	STAND BY	kW	81	
		PRIME	kW	73,3	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			4,5	
	NUMBER OF CYLNDERS			4 IN LINE	
	BORE x STROKE (mm x mm)			104 x 132	
	COMPRESSION RATIO			17,5:1	
	GOVERNOR TYPE			Mechanical	
	INDUCTION			Turbocharged	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		19,4	
		%75 PRIME POWER		15,4	
%50 PRIME POWER		9,6			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			12,8		
TOTAL COOLANT CAPACITY (lt)			18,5		
FUEL TANK CAPACITY (lt)					

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- 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 failure
- 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 and acid.

#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 112 kVA

MODEL				E IV EG 0112	
GROUP	GEN-SET POWER	STAND BY	kVA	112	
			kW	90	
		PRIME	kVA	101	
			kW	81,12	
	CANOPY DIMESNION (L x H x W) mm				1000 x 2880 x 1610
	CANOPY WEIGHT kg				1350
	OPEN DIMENSION (L x H x W) mm				1000 x 2400 x 1390
	OPEN WEIGHT				1130
ENGINE	BRAND			FPT IVECO	
	TYPE			N45 TM2A	
	POWER	STAND BY	kW	96	
		PRIME	kW	87	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			4,5	
	NUMBER OF CYLNDERS			4 IN LINE	
	BORE x STROKE (mm x mm)			104 x 132	
	COMPRESSION RATIO				
	GOVERNOR TYPE			Mechanical	
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		22	
		%75 PRIME POWER		16,2	
%50 PRIME POWER		11			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			12,8		
TOTAL COOLANT CAPACITY (lt)			18,5		
FUEL TANK CAPACITY (lt)					

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



## IVECO

### 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 extension 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 failure
- 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 and acid.

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#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 143 kVA

MODEL				E IV EG 0143	
GROUP	GEN-SET POWER	STAND BY	kVA	143	
			kW	114	
		PRIME	kVA	130	
			kW	104	
	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	
ENGINE	BRAND			FPT IVECO	
	TYPE			N67 TM2A	
	POWER	STAND BY	kW	125	
		PRIME	kW	114	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			6,7	
	NUMBER OF CYLNDERS			6 IN LINE	
	BORE x STROKE (mm x mm)			104 x 132	
	COMPRESSION RATIO				
	GOVERNOR TYPE			Mechanical	
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		29	
		%75 PRIME POWER		24	
		%50 PRIME POWER		16	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			17,2		
TOTAL COOLANT CAPACITY (lt)			40,5		
FUEL TANK CAPACITY (lt)					

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





## IVECO

### 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 failure
- 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 and acid.

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#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 176 kVA

MODEL				E IV EG 0176	
GROUP	GEN-SET POWER	STAND BY	kVA	176	
			kW	141	
		PRIME	kVA	160	
			kW	128	
	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	
ENGINE	BRAND			FPT IVECO	
	TYPE			N67 TM3A	
	POWER	STAND BY	kW	152	
		PRIME	kW	138	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			6,7	
	NUMBER OF CYLNDERS			6 IN LINE	
	BORE x STROKE (mm x mm)			104 x 132	
	COMPRESSION RATIO				
	GOVERNOR TYPE			Mechanical	
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		36	
		%75 PRIME POWER		29	
%50 PRIME POWER		18			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			17,2		
TOTAL COOLANT CAPACITY (lt)			40,5		
FUEL TANK CAPACITY (lt)					

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



## IVECO

### 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 failure
- 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 and acid.

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#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 220 kVA

MODEL				E IV EG 0220	
GROUP	GEN-SET POWER	STAND BY	kVA	220	
			kW	176	
		PRIME	kVA	200	
			kW	160	
	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	
ENGINE	BRAND			FPT IVECO	
	TYPE			N67 TM7	
	POWER	STAND BY	kW	194	
		PRIME	kW	176,5	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			6,7	
	NUMBER OF CYLNDERS			6 IN LINE	
	BORE x STROKE (mm x mm)			104 x 132	
	COMPRESSION RATIO			17,5	
	GOVERNOR TYPE			Mechanical	
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		42,1	
		%75 PRIME POWER		37,3	
		%50 PRIME POWER		24	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			17,2		
TOTAL COOLANT CAPACITY (lt)			25,5		
FUEL TANK CAPACITY (lt)					

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



## IVECO

### 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 failure
- 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 and acid.

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#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 250 kVA

MODEL				E IV EG 0250	
GROUP	GEN-SET POWER	STAND BY	kVA	250	
			kW	200	
		PRIME	kVA	225	
			kW	180	
	CANOPY DIMESNION (L x H x W) mm			1150 x 3820 x 2460	
	CANOPY WEIGHT kg			2500	
	OPEN DIMENSION (L x H x W) mm			1150 x 3340 x 1900	
	OPEN WEIGHT			2200	
ENGINE	BRAND			FPT IVECO	
	TYPE			N67 NEW	
	POWER	STAND BY	kW		
		PRIME	kW		
	SPEED (rpm)				
	CYCLE				
	DISPLACEMENT (lt)				
	NUMBER OF CYLNDERS				
	BORE x STROKE (mm x mm)				
	COMPRESSION RATIO				
	GOVERNOR TYPE				
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER			
%75 PRIME POWER					
%50 PRIME POWER					
TOTAL LUBRICATION SYSTEM CAPACITY (lt)					
TOTAL COOLANT CAPACITY (lt)					
FUEL TANK CAPACITY (lt)					

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



## IVECO

### 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 extension 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 ISO 12100 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 failure
- 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 and acid.

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#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 275 kVA

MODEL				E IV EG 0275	
GROUP	GEN-SET POWER	STAND BY	kVA	275	
			kW	220	
		PRIME	kVA	250	
			kW	200	
	CANOPY DIMESNION (L x H x W) mm			1150 x 3820 x 2460	
	CANOPY WEIGHT kg			2515	
	OPEN DIMENSION (L x H x W) mm			1150 x 3340 x 1900	
	OPEN WEIGHT			2220	
ENGINE	BRAND			FPT IVECO	
	TYPE			C87 TE3	
	POWER	STAND BY	kW	249	
		PRIME	kW	229	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			8,7	
	NUMBER OF CYLNDERS			6 IN LINE	
	BORE x STROKE (mm x mm)			117 x 135	
	COMPRESSION RATIO			15,9	
	GOVERNOR TYPE			Electronic	
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		55,3	
		%75 PRIME POWER		45,2	
%50 PRIME POWER		30			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			28		
TOTAL COOLANT CAPACITY (lt)			58		
FUEL TANK CAPACITY (lt)					

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





## IVECO

### 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 extension 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 ISO 12100 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 failure
- 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 and acid.

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#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 300 kVA

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

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



## IVECO

### 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 extension 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 failure
- 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 and acid.

#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 332 kVA

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

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



## IVECO

### 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 extension 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 failure
- 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 and acid.

#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 385 kVA

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

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



## IVECO

### 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 failure
- 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 and acid.

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#### EXTRA EQUIPMENTS

- Charge ammeter
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- 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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 440 kVA

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

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## IVECO

### 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 failure
- 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 and acid.

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#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 495 kVA

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

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



Discover the potential

## IVECO

### 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 extension 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 failure
- 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 and acid.

#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 550 kVA

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

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



## IVECO

### 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 extension 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 failure
- 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 and acid.

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#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (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 separator 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

## IVECO Series Diesel Generator Set 617 kVA

MODEL				E IV EG 0617	
GROUP	GEN-SET POWER	STAND BY	kVA	617	
			kW	494	
		PRIME	kVA	595	
			kW	476	
	CANOPY DIMESNIION (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	
ENGINE	BRAND			FPT IVECO	
	TYPE			C16 TE1W	
	POWER	STAND BY	kW	559	
		PRIME	kW	503	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			15,9	
	NUMBER OF CYLNDERS			6 IN LINE	
	BORE x STROKE (mm x mm)			141 x 170	
	COMPRESSION RATIO			15,5:1	
	GOVERNOR TYPE			Electronic	
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		113,1	
		%75 PRIME POWER		90,4	
%50 PRIME POWER		57,4			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			32		
TOTAL COOLANT CAPACITY (lt)			52,5		
FUEL TANK CAPACITY (lt)					

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

