

FPT IVECO

Technical Specifications



ENGINE

- FPT 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.

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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 33 kVA

MODEL				E IV ST 0033	
GROUP	GEN-SET POWER	STAND BY	kVA	33	
			kW	26,4	
		PRIME	kVA	30	
			kW	24	
	CANOPY DIMESNIION (W x L x H) mm			1000 x 2450 x 1610	
	CANOPY WEIGHT kg			920	
	OPEN DIMENSION (W x L x H) mm			1000 x 2050 x 1400	
	OPEN WEIGHT			725	
ENGINE	BRAND			FPT IVECO	
	TYPE			80313AM1P	
	POWER	STAND BY	kW	31	
		PRIME	kW	28,1	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			2,9	
	NUMBER OF CYLNDERS			3 IN LINE	
	BORE x STROKE (mm x mm)			115X104	
	COMPRESSION RATIO			17:1	
	GOVERNOR TYPE			Mechanical	
	INDUCTION			Natural	
	COMBUSTION SYSTEM			Direct	
	COOLING SYSTEM			Water	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		7,05	
		%75 PRIME POWER		5,64	
%50 PRIME POWER		3,76			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			8,8		
TOTAL COOLANT CAPACITY (lt)			14		
FUEL TANK CAPACITY (lt)			N/A		

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FPT IVECO

Technical Specifications



ENGINE

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- 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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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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 50 kVA

MODEL				E IV ST 0050	
GROUP	GEN-SET POWER	STAND BY	kVA	50	
			kW	40	
		PRIME	kVA	45	
			kW	36	
	CANOPY DIMESNION (W x L x H) mm				1000 x 2450 x 1610
	CANOPY WEIGHT kg				970
	OPEN DIMENSION (W x L x H) mm				1000 x 2050 x 1400
	OPEN WEIGHT				775
ENGINE	BRAND			FPT IVECO	
	TYPE			N45AM1A	
	POWER	STAND BY	kW	45,8	
		PRIME	kW	41,5	
	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		11,3	
		%75 PRIME POWER		9,2	
		%50 PRIME POWER		6,4	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			12,8		
TOTAL COOLANT CAPACITY (lt)			18,5		
FUEL TANK CAPACITY (lt)			N/A		

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FPT IVECO

Technical Specifications



ENGINE

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- 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

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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.

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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 55 kVA

MODEL			E IV ST 0055	
GROUP	GEN-SET POWER	STAND BY	kVA	55
			kW	44
		PRIME	kVA	50
			kW	40
	CANOPY DIMESNIION (W x L x H) mm			1000 x 2450 x 1610
	CANOPY WEIGHT kg			970
	OPEN DIMENSION (W x L x H) mm			1000 x 2050 x 1400
	OPEN WEIGHT			775
ENGINE	BRAND			FPT IVECO
	TYPE			N45AM2
	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)			N/A	

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FPT IVECO

Technical Specifications



ENGINE

- FPT 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

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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.

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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 66 kVA

MODEL				E IV ST 0066	
GROUP	GEN-SET POWER	STAND BY	kVA	66	
			kW	52,8	
		PRIME	kVA	60	
			kW	48	
	CANOPY DIMESNIION (W x L x H) mm			1000 x 2450 x 1610	
	CANOPY WEIGHT kg			1085	
	OPEN DIMENSION (W x L x H) mm			1000 x 2050 x 1400	
	OPEN WEIGHT			890	
ENGINE	BRAND			FPT IVECO	
	TYPE			N45SM1A	
	POWER	STAND BY	kW	58,8	
		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			17,5:1	
	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)			N/A		

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FPT IVECO

Technical Specifications



ENGINE

- FPT 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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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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 82 kVA

MODEL				E IV ST 0082	
GROUP	GEN-SET POWER	STAND BY	kVA	82	
			kW	65,6	
		PRIME	kVA	75	
			kW	60	
	CANOPY DIMESNIION (W x L x H) mm			N/A	
	CANOPY WEIGHT kg			N/A	
	OPEN DIMENSION (W x L x H) mm			N/A	
	OPEN WEIGHT			N/A	
ENGINE	BRAND			FPT IVECO	
	TYPE			N45SM2A	
	POWER	STAND BY	kW	66,1	
		PRIME	kW	72,7	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			4,5	
	NUMBER OF CYLNDERS			4 IN LINE	
	BORE x STROKE (mm x mm)			104X132	
	COMPRESSION RATIO			17,5:1	
	GOVERNOR TYPE			Mechanical	
	INDUCTION			Turbocharged	
	COMBUSTION SYSTEM			Direct	
	COOLING SYSTEM			Water	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		17,1	
		%75 PRIME POWER		12,7	
		%50 PRIME POWER		8,6	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			12,8		
TOTAL COOLANT CAPACITY (lt)			18,5		
FUEL TANK CAPACITY (lt)			N/A		

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FPT IVECO

Technical Specifications



ENGINE

- FPT 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

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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.

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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 90 kVA

MODEL				E IV ST 0090	
GROUP	GEN-SET POWER	STAND BY	kVA	90	
			kW	72	
		PRIME	kVA	80	
			kW	64	
	CANOPY DIMESNIION (W x L x H) mm			1000 x 2880 x 1610	
	CANOPY WEIGHT kg			1230	
	OPEN DIMENSION (W x L x H) mm			1000 x 2400 x 1390	
	OPEN WEIGHT			1010	
ENGINE	BRAND			FPT IVECO	
	TYPE			NEF45SM3.S500	
	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)			N/A		

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FPT IVECO

Technical Specifications



ENGINE

- FPT 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)
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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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 112 kVA

MODEL				E IV ST 0112	
GROUP	GEN-SET POWER	STAND BY	kVA	112	
			kW	89,6	
		PRIME	kVA	101,4	
			kW	81,12	
	CANOPY DIMESNIION (W x L x H) mm			1000 x 2880 x 1610	
	CANOPY WEIGHT kg			1350	
	OPEN DIMENSION (W x L x H) mm			1000 x 2400 x 1390	
	OPEN WEIGHT			1130	
ENGINE	BRAND			FPT IVECO	
	TYPE			N45TM2A	
	POWER	STAND BY	kW	96,2	
		PRIME	kW	87,5	
	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 - 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)			N/A		

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

FPT IVECO

Technical Specifications



ENGINE

- FPT 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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 143 kVA

MODEL				E IV ST 0143	
GROUP	GEN-SET POWER	STAND BY	kVA	143	
			kW	114,4	
		PRIME	kVA	130	
			kW	104	
	CANOPY DIMESNIION (W x L x H) mm			1050 x 3180 x 1870	
	CANOPY WEIGHT kg			1750	
	OPEN DIMENSION (W x L x H) mm			1050 x 2700 x 1650	
	OPEN WEIGHT			1505	
ENGINE	BRAND			FPT IVECO	
	TYPE			N67TM2A	
	POWER	STAND BY	kW	126	
		PRIME	kW	114,2	
	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			17,5:1	
	GOVERNOR TYPE			Mechanical	
	INDUCTION			Turbocharged - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			Direct	
	COOLING SYSTEM			Water	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		29,3	
		%75 PRIME POWER		24,1	
		%50 PRIME POWER		15,8	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			17,2		
TOTAL COOLANT CAPACITY (lt)			25,5		
FUEL TANK CAPACITY (lt)			N/A		

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FPT IVECO

Technical Specifications



ENGINE

- FPT 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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 176 kVA

MODEL				E IV ST 0176	
GROUP	GEN-SET POWER	STAND BY	kVA	176	
			kW	140,8	
		PRIME	kVA	160	
			kW	128	
	CANOPY DIMESNIION (W x L x H) mm			1050 x 3180 x 1870	
	CANOPY WEIGHT kg			1750	
	OPEN DIMENSION (W x L x H) mm			1050 x 2700 x 1650	
	OPEN WEIGHT			1505	
ENGINE	BRAND			FPT IVECO	
	TYPE			N67TM3A	
	POWER	STAND BY	kW	152	
		PRIME	kW	137,7	
	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			17,5:1	
	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)			25,5		
FUEL TANK CAPACITY (lt)			N/A		

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

FPT IVECO

Technical Specifications



ENGINE

- FPT 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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 220 kVA

MODEL				E IV ST 0220	
GROUP	GEN-SET POWER	STAND BY	kVA	220	
			kW	176	
		PRIME	kVA	200	
			kW	160	
	CANOPY DIMESNIION (W x L x H) mm			1050 x 3580 x 1870	
	CANOPY WEIGHT kg			1940	
	OPEN DIMENSION (W x L x H) mm			1050 x 3100 x 1650	
OPEN WEIGHT			1680		
ENGINE	BRAND			FPT IVECO	
	TYPE			N67TM7	
	POWER	STAND BY	kW	195	
		PRIME	kW	177	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			6,73	
	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		41,2	
		%75 PRIME POWER		33,3	
		%50 PRIME POWER		14,7	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			17,2		
TOTAL COOLANT CAPACITY (lt)			30,5		
FUEL TANK CAPACITY (lt)			N/A		

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



FPT IVECO

Technical Specifications



ENGINE

- FPT 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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 275 kVA

MODEL				E IV ST 0275	
GROUP	GEN-SET POWER	STAND BY	kVA	275	
			kW	220	
		PRIME	kVA	250	
			kW	200	
	CANOPY DIMESNIION (W x L x H) mm			N/A	
	CANOPY WEIGHT kg			N/A	
	OPEN DIMENSION (W x L x H) mm			N/A	
	OPEN WEIGHT			N/A	
ENGINE	BRAND			FPT IVECO	
	TYPE			N67TE8W	
	POWER	STAND BY	kW	214,9	
		PRIME	kW	236,5	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			6,7	
	NUMBER OF CYLNDERS			6 IN LINE	
	BORE x STROKE (mm x mm)			104X132	
	COMPRESSION RATIO			17:1	
	GOVERNOR TYPE			Electronic	
	INDUCTION			Turbocharged - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			Water	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		51,5	
		%75 PRIME POWER		41,2	
		%50 PRIME POWER		26,2	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			17,2		
TOTAL COOLANT CAPACITY (lt)			30,5		
FUEL TANK CAPACITY (lt)			N/A		

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



FPT IVECO

Technical Specifications



ENGINE

- FPT 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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 332 kVA

MODEL				E IV ST 0332	
GROUP	GEN-SET POWER	STAND BY	kVA	332	
			kW	265,6	
		PRIME	kVA	305	
			kW	244	
	CANOPY DIMESNIION (W x L x H) mm			1150 x 3820 x 2460	
	CANOPY WEIGHT kg			2670	
	OPEN DIMENSION (W x L x H) mm			1150 x3340 x 1900	
	OPEN WEIGHT			2370	
ENGINE	BRAND			FPT IVECO	
	TYPE			C87TE4	
	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			15,9:1	
	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)			N/A		

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

FPT IVECO

Technical Specifications



ENGINE

- FPT 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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 385 kVA

MODEL				E IV ST 0385	
GROUP	GEN-SET POWER	STAND BY	kVA	385	
			kW	308	
		PRIME	kVA	350	
			kW	280	
	CANOPY DIMESNION (W x L x H) mm			1500 x 4400 x 2660	
	CANOPY WEIGHT kg			3520	
	OPEN DIMENSION (W x L x H) mm			1500 x 3600 x 2200	
	OPEN WEIGHT			3010	
ENGINE	BRAND			FPT IVECO	
	TYPE			C13TE2A	
	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)			N/A		

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

FPT IVECO

Technical Specifications



ENGINE

- FPT 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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 440 kVA

MODEL				E IV ST 0440	
GROUP	GEN-SET POWER	STAND BY	kVA	440	
			kW	352	
		PRIME	kVA	400	
			kW	320	
	CANOPY DIMESNIION (W x L x H) mm			1500 x 4400 x 2660	
	CANOPY WEIGHT kg			3610	
	OPEN DIMENSION (W x L x H) mm			1500 x 3600 x 2200	
	OPEN WEIGHT			3105	
ENGINE	BRAND			FPT IVECO	
	TYPE			C13TE3A	
	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)			N/A		

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



FPT IVECO

Technical Specifications



ENGINE

- FPT 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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 495 kVA

MODEL				E IV ST 0495	
GROUP	GEN-SET POWER	STAND BY	kVA	495	
			kW	396	
		PRIME	kVA	450	
			kW	360	
	CANOPY DIMESNION (W x L x H) mm			1500 x 4400 x 2660	
	CANOPY WEIGHT kg			3815	
	OPEN DIMENSION (W x L x H) mm			1500 x 3600 x 2200	
	OPEN WEIGHT			3310	
ENGINE	BRAND			FPT IVECO	
	TYPE			C13TE6	
	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)			N/A		

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



FPT IVECO

Technical Specifications



ENGINE

- FPT 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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 550 kVA

MODEL				E IV ST 0550	
GROUP	GEN-SET POWER	STAND BY	kVA	550	
			kW	440	
		PRIME	kVA	500	
			kW	400	
	CANOPY DIMESNION (W x L x H) mm			N/A	
	CANOPY WEIGHT kg			N/A	
	OPEN DIMENSION (W x L x H) mm			N/A	
	OPEN WEIGHT			N/A	
ENGINE	BRAND			FPT IVECO	
	TYPE			C13TE7	
	POWER	STAND BY	kW	459	
		PRIME	kW	525	
	SPEED (rpm)			1500	
	CYCLE			4	
	DISPLACEMENT (lt)			12,9	
	NUMBER OF CYLNDERS			6 IN LINE	
	BORE x STROKE (mm x mm)			135X150	
	COMPRESSION RATIO			16,5	
	GOVERNOR TYPE			Electronic - Common Rail	
	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)			N/A		

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

FPT IVECO

Technical Specifications



ENGINE

- FPT 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

FPT IVECO Series

Diesel Generator Sets

FPT IVECO Series Diesel Generator Set 660 kVA

MODEL				E IV ST 0660	
GROUP	GEN-SET POWER	STAND BY	kVA	660	
			kW	528	
		PRIME	kVA	600	
			kW	480	
	CANOPY DIMESNIION (W x L x H) mm			1700 x 4400 x 2750	
	CANOPY WEIGHT kg			4620	
	OPEN DIMENSION (W x L x H) mm			1700 x 3600 x 2250	
	OPEN WEIGHT			4070	
ENGINE	BRAND			FPT IVECO	
	TYPE			C16TE1W	
	POWER	STAND BY	kW	557	
		PRIME	kW	505	
	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			15,9:1	
	GOVERNOR TYPE			Electronic	
	INDUCTION			Turbocharged - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			Direct	
	COOLING SYSTEM			Water	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		99	
		%75 PRIME POWER		74,3	
		%50 PRIME POWER		50,3	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			38		
TOTAL COOLANT CAPACITY (lt)			52,5		
FUEL TANK CAPACITY (lt)			N/A		

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

