

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

#### GEN-SET SAFETY PROTECTION & ALARMS

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



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender



# FPT IVECO Series

## Diesel Generator Sets

### FPT IVECO Series Diesel Generator Sets 138-275 kVA

MODEL				E IV XX 0138	E IV XX 0144	E IV XX 0176	E IV XX 0190	E IV XX 0220	E IV XX 0275
GROUP	GEN-SET POWER	STAND BY	kVA	138	144	176	190	225	275
			kW	110,4	115,2	140,8	152	180	220
		PRIME	kVA	125	131	160	173	205	250
			kW	100	105	128	138	164	200
	CANOPY DIMENSION (W x L x H) mm			1100x3050x1690	1100x3050x1690	1100x3050x1690	1100x3050x1690	1100x3220x1690	1200x3800x2490
	CANOPY WEIGHT kg			1996,7	1996,7	2013,7	2073,7	2140,7	2460,7
	OPEN DIMENSION (W x L x H) mm			1100x2600x1690	1100x2600x1690	1100x2600x1690	1100x2600x1690	1100x2770x1690	1200x3100x2490
OPEN WEIGHT			1743,7	1743,7	1760,7	1820,7	1885,7	2142,7	
ENGINE	BRAND			IVECO	IVECO	IVECO	IVECO	IVECO	IVECO
	TYPE			NEF45TM3	NEF67TM2A	NEF67TM3A	NEF67TM4	NEF67TM7	NEF67TE8W
	POWER	STAND BY	kW	118	126	152	165	195	236,5
		PRIME	kW	107	114	140,8	152	176	220
	SPEED (rpm)			1500	1500	1500	1500	1500	1500
	CYCLE			4	4	4	4	4	4
	DISPLACEMENT (lt)			4,5	6,7	6,7	6,7	6,73	6,7
	NUMBER OF CYLINDERS			4 IN LINE	6 IN LINE	6 IN LINE	6 IN LINE	6 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			104 x 132	104 x 132	104 x 132	104 x 132	104 x 132	104x132
	COMPRESSION RATIO			17,5:1	17,5:1	17,5:1	17,5 : 1	17 : 1	17 : 1
	GOVERNOR TYPE			MECHANIC	MECHANIC	MECHANIC	MECHANIC	MECHANIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AFTERCOOLED	TURBOCHARGED - AFTERCOOLED	TURBOCHARGED - AFTERCOOLED	TURBOCHARGED - AFTERCOOLED	TURBOCHARGED - AFTERCOOLED	TURBOCHARGED - AFTERCOOLED
	COMBUSTION SYSTEM			DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	COOLING SYSTEM			WATER	WATER	WATER	WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		27,6	29,3	36	36,6	41,2	51,5
		%75 PRIME POWER		20,7	24,1	29	29,4	33,3	41,2
%50 PRIME POWER		14,4	15,8	18	18	14,7	26,2		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			12,8	17,2	17,2	17,2	17,2	17,2	
TOTAL COOLANT CAPACITY (lt)			18,5	25,5	25,5	25,5	30,5	30,5	
FUEL TANK CAPACITY (lt)			275	275	275	275	275	360	

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