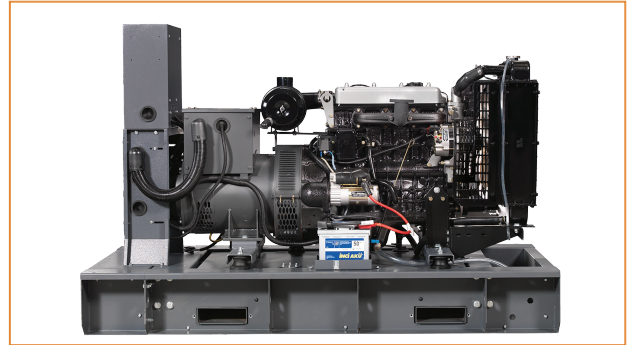


# INFINITY 55-100 kVA Technical Specifications



## ENGINE

- INFINITY series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged/ turbocharged air to air
- Direct injection
- Mechanic / electronic governor system
- 12/24 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 gen-sets; VDE 0530, BS 4999, BS 5000, IEC 34, TS ISO 8528, TS EN 12601 are manufactured in accordance with the requirements of standards above. Our company fulfills ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 management system requirements, and have the accredited certificates of Kiwa & MEYER. Also we've GOST-R certificate. Our gen-sets have TS ISO 8528-5, TS EN 12601 product standard certificates.

Our gen-sets are CE certified in accordance with the requirements of 2000/14/EC, noise emission directive.

## ALTERNATOR

- INFINITY brushless 12 ends alternator
- Single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class, Self-excited
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- Leroy Somer, Stamford, SINCRO and Mecc Alte alternators are optional

## EXTRA EQUIPMENTS

- Charge ammeter
- Molded case circuit breaker (in automatic models)
- Hospital (critical) type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-6 gensets.
- 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter

## CANOPY

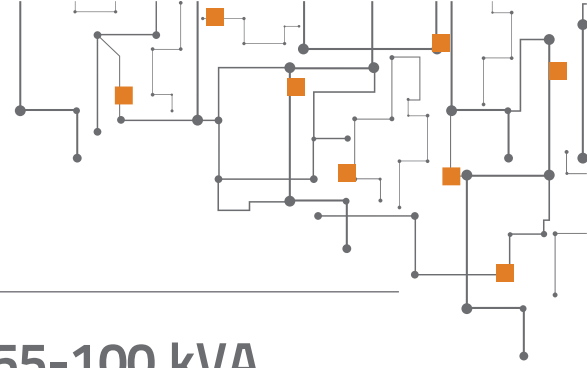
- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

## 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



## INFINITY Series Diesel Generator Sets 55-100 kVA

MODEL			IPG55i	IPG70i	IPG88i	IPG100i	
GROUP	GEN - SET POWER	STAND BY	kVA	55	70	88	100
			kW	44	56	70	80
		PRIME	kVA	50	63	80	90
			kW	40	50	64	72
	CANOPY DIMENSION (W x L x H) mm			1000 x 2530 x 1350	1000 x 2530 x 1350	1080 x 2980 x 1650	1080 x 2980 x 1650
	CANOPY WEIGHT kg			1230	1230	1950	1950
	OPEN DIMENSION (W x L x H) mm			800 x 1900 x 1200	800 x 1900 x 1200	900 x 2200 x 1450	900 x 2200 x 1450
	OPEN WEIGHT kg			1035	1035	1400	1400
ENGINE	BRAND			INFINITY	INFINITY	INFINITY	INFINITY
	TYPE			R4105ZD1	M4105ZLD	R6105ZDS1	R6105ZDS1
	POWER	STAND BY	kW	60	70	90	90
		PRIME	kW	55	62	81	81
	SPEED (rpm)			1500	1500	1500	1500
	CYCLE			4	4	4	4
	DISPLACEMENT (lt)			4,33	4,15	6,49	6,49
	NUMBER OF CYLINDERS			4 IN LINE	4 IN LINE	6 IN LINE	6 IN LINE
	BORE AND STROKE (mm x mm)			105 x 125	105 x 125	105 x 125	105 x 125
	COMPRESSION RATIO			19:1	19:1	16:1	16:1
	GOVERNOR TYPE			MECHANIC / ELECTRONIC			
	INDUCTION			TURBOCHARGED	TURBO & INTERCOOLER	TURBOCHARGED	
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		12,6	14,7	18	23
75% OF PRIME POWER		9,4	11,7	13,2	17		
50% OF PRIME POWER		6	7	9,66	11,5		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			13	13	17	17	

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