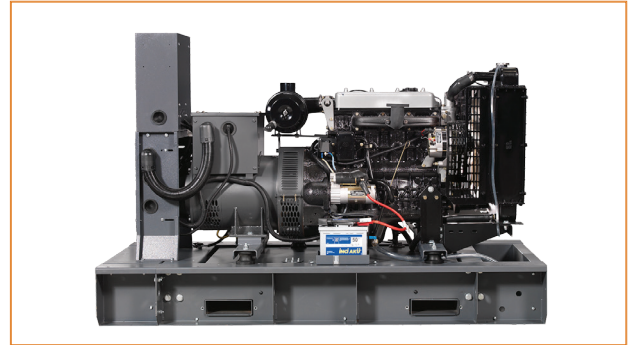


INFINITY 14-33 kVA Technical Specifications



ENGINE

- INFINITY series heavy duty diesel engine
- 4 cycle, water cooled, naturally aspirated
- 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

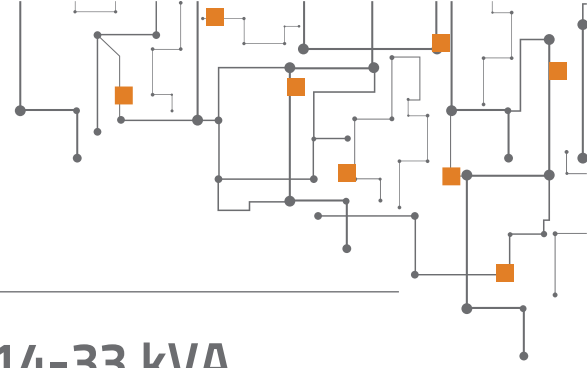
- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

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 14-33 kVA

MODEL			IPG14i	IPG17i	IPG22i	IPG33i	
GROUP	GEN - SET POWER	STAND BY	kVA	14	17	22	33
			kW	11,2	13,6	17,6	26
		PRIME	kVA	12,7	15,45	20	30
			kW	10,2	12,4	16,0	24
	CANOPY DIMENSION (W x L x H) mm			860 x 1880 x 1100	860 x 1880 x 1100	860 x 1880 x 1100	900 x 2200 x 1300
	CANOPY WEIGHT kg			760	760	800	830
	OPEN DIMENSION (W x L x H) mm			750 x 1400 x 1000	750 x 1400 x 1000	750 x 1400 x 1000	800 x 1700 x 1150
	OPEN WEIGHT kg			530	530	550	600
ENGINE	BRAND			INFINITY	INFINITY	INFINITY	INFINITY
	TYPE			Y480BD	Y480BD	Y485BZD	ZH4100DS
	POWER	STAND BY	kW	17	17	21	29
		PRIME	kW	14	14	19	26
	SPEED (rpm)			1500	1500	1500	1500
	CYCLE			4	4	4	4
	DISPLACEMENT (lt)			1,806	1,806	1,806	3,61
	NUMBER OF CYLINDERS			4 IN LINE	4 IN LINE	4 IN LINE	4 IN LINE
	BORE AND STROKE (mm x mm)			80 x 90	80 x 90	85 x 90	100 x 115
	COMPRESSION RATIO			22:1	22:1	18:1	18:1
	GOVERNOR TYPE			MECHANIC / ELECTRONIC			
	INDUCTION			NATURAL			
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		4,72	4,72	5,62	7,55
75% OF PRIME POWER		3,54	3,54	4,22	5,66		
50% OF PRIME POWER		2,36	2,36	2,81	3,77		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			6,70	6,70	6,70	13	

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