

IVECO N67 TM2A diesel engine

MARELLI | ENGGA | WEG alternator



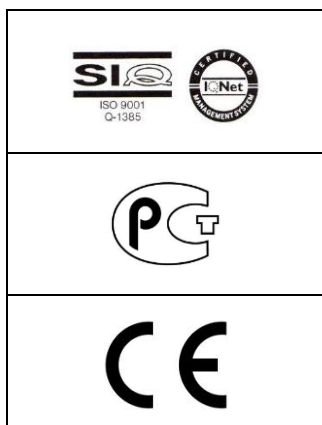
MODEL	Standby		Prime	
	kVA	KW	kVA	kW
IV.143	143	114,4	130	104

Standby power rating is for the supply of emergency power at variable load for the duration of the non-availability of the mains. No overload capacity is available at this rating. A standby rated engine should be sized for an average load factor of 80% based on published standby rating for 500 oper. hours per year. Standby ratings should never be applied except in true emergency power failure conditions.

Prime power rating is available for unlimited hours per year with a variable load of which the average engine load factor is 80% of the published power rating, incorporation of a 10% overload for 1 hour in every 12 hours of operation which permitted

Continuous power rating is available for continuous full load operation No overload is permitted.

Acc. to 3046/1, BS 5514, DIN6271



### STANDARD GENERATOR FEATURES

- Automatic mains failure microprocessor controller
- Heavy duty diesel engine
- Tropical radiator
- Electric starter
- 3-pole circuit breaker for generator protection
- Acid batteries
- DC alternator
- Selfexcited, brushless synchronous alternator
- Heavy duty chassis with antivibration dumpers
- Industrial mufflers with 19 dBA sound reduction
- Control system with engine and generator protection
- Special designed fuel tank cassette type
- Mechanical fuel level gauge
- Revision hole on fuel tank for cleaning purpose
- Factory load test CosΦ=1
- Factory functional test of all systems
- Exhaust gases compensator

### OPTIONAL GENSET EQUIPMENT

- Battery charger 230V
- Engine coolant heater 230V
- 3P ATS changeover switch
- Soundproofed canopy according 2000/14/EC
- DIN ISO container
- Road trailer
- Non-road trailer
- 4-pole generator circuit breaker
- Differential protection
- Doublewall fuel tank with fuel leakage sensor
- 24h autonomy fuel tank and/or external fuel tanks
- System for automatic refueling from external fuel tank
- Supersilent canopy 55 dBA



### GENERATOR SET BASIC DATA

Standby power	kVA	143
	KW	114,4
Prime power	kVA	130
	KW	104
cosφ		0,8
Phrequency	Hz	50
Voltage	V	400V/230V
Current	A	207
Standards	ISO8528-1, ISO3046-1,BS5514,	

### DIESEL ENGINE DATA

Manufacturer	IVECO	
Model	N67TM2A	
Volume	cm3	6700
Engine speed	1500	
Engine construction	6 in line	
Cooling	watercooled	
Governor	mechanical	
Radiator ambient temp.	40C	
Electric installation	V	12
Emission	STAGE II	
Standards applied	ISO8528	

### FUEL CONSUMPTION

g/kWh	100%	206,9
	75%	228
	50%	225
	25%	207
l/h	100%	32
	75%	24,1
	50%	15,8
	25%	8,1

### ATS CHANGEOVER DATA (ATS is optional equioment)

Manufacturer	ABB   SOCOMEC   SICES	
Type	Motorized 1-0-2 changeover	
Nominal Current	A	250
Breaking Current	8 x In	
No. of poles	3	
Instalation type	Indoor	
IP protection	IP23	
Tip of cabinet	On wall type	
Cable entry	Bottom side	
Standards applied	ISO8528	

### Optional for ATS

- 4pole breakers
- IP65/IP66 protection
- Top cabl entry
- Selfstanding cabinet
- AMF logic controler installed on ATS

### GENERATOR DATA

Manufacturer	MARELLI   ENGGA   WEG	
Model	MJB 225 LA4 / EG225-100N / 251AIHD	
Tempertaure rise	163°C/27°C	
Type	Synchronous, self-excited	
Power factor	0,8	
Insulation class	H	
Voltage regulation	AVR	
Voltage accuracy	0,5%	
No.of poles	4	
Winding type	2/3	
Rotor	dynamically balanced	
Shortcurrent cusrcuit	300% In	
Generator construction	single bearing	
IP protection	IP23	
Type of windings	100% copper, triple insulated	
THF	<2%	
TIF	<50	
Standardi	IEC34, BS5000, DIN EN, ISO	

### Generator optionals

- PMF excitation
- PT thermistors
- Anticondensation heaters
- Doubl ebearing construction
- Air filters
- Special voltage
- Parallel kit

### DERIVATION ACCORDING ALTITUDE

N.visina	<1000 m	<1500 m	<2000 m	<2500 m	< 3000m
K faktor	1,00	0,96	0,93	0,90	0,86

### AMBIENT TEMPERATURE CORRECTION FACTOR

Ambient T	30	35	40	45	50	55
K factor	1,04	1,00	1,00	0,96	0,93	0,90

### INSTALATION DATA

Open set	Dimensions	mm	2600 x 1100 x1450
	Weight	kg	1340
	Fuel tank	lit	260

Compact canopy	Dimensions	mm	
	Weight	kg	
	Fuel tank	lit	
	Noise level	dba	

Premium canopy	Dimensions	mm	2900 x 1100 x 1550
	Weight	kg	1690
	Fuel tank	lit	260
	Noise level	dba	69@7m