

IVECO C13TE7 diesel engine

WEG | MARELLI | ENGGA alternator



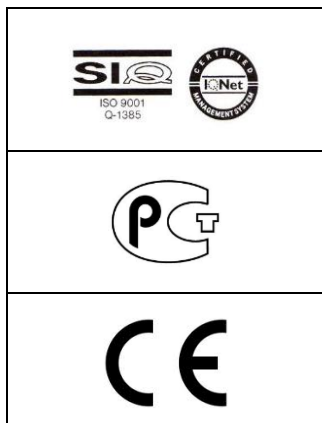
MODEL	Standby		Prime	
	kVA	KW	kVA	kW
IV.550	550	440	500	400

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 CosFi=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	550
	KW	440
Prime power	kVA	500
	KW	400
Cost p		0,8
Phrequency	Hz	50
Voltage	V	400V/230V
Current	A	633,6
Standards	ISO8528-1, ISO3046-1, BS5514,	

DIESEL ENGINE DATA		
Manufacturer	IVECO	
Model	C13TE7	
Volume	cm3	12880
Engine speed	1500	
Engine construction	6 in line	
Cooling	watercooled	
Governor	electronic	
Radiator ambient temp.	40°C	
Electric installation	V	24
Emission	Non Emission	
Standards applied	ISO8528	

FUEL CONSUMPTION		
g/kWh	100%	192,7
	75%	190
	50%	197,7
	25%	197,7
l/h	100%	100,6
	75%	75
	50%	51,5
	25%	25,8

ATS CHANGEOVER DATA (ATS is optional equioment)		
Manufacturer	ABB   SOCOMEC   SICES	
Type	Motorized 1-0-2 changeover	
Nominal Current	A	800
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 cable entry
- Selfstanding cabinet
- AMF logic controler installed on ATS

Manufacturer	WEG   MARELLI   ENGGA
Model	280MI40AI   MJB315SA4   EG315-400N
Tempertaure rise	163°C/27°C
Type	Synchronous, selfexcited
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 options

- 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 faktor	1,04	1,00	1,00	0,96	0,93	0,90

#### INSTALATION DATA

Open set	Dimensions	mm	3500x1250x1800
	Weight	kg	3700
	Fuel tank	lit	350
	Noise Level	dBa	85
Premium canopy	Dimensions	mm	4400x1650x2200
	Weight	kg	4400
	Fuel tank	lit	600
	Noise level	dBa	72

#### GENERATOR DATA

