

Generating Rates		Prime	Standby
Power	kVA	121	133
Power	kW	97	106
Current	(cos Phi=0,8) A	175	192
Standard Voltage	V	400/230	400/230
Revolution Per Minute	r.p.m	1500	1500
Rated At Power Factor	Cos Phi	0,8	0,8

# Standard Features

- 4 stroke 1500RPM, water cooled heavy duty diesel engine
- Dry type replacable air filter
- Heat-resistant radiator for 50 °C
- Flexible oil pipes and oil draining valve
- Pre-heater 4 poles synchrontype, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual
- Protection system on manual run
- Lubrication oil and anti freeze

# Optional Equipments

- Soundproof canopy
- Automatic transfer switch
- Circuit Breaker
- Trailer
- External fuel tank
- Electronic governor
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manual)
- Analog indicators
- 1 Phase 3 phase switch plugs
- Alarm system for fuel level
- Remote control and monitoring

- Prime Power: Supplying of electrical power at variable load for an unlimited number of hours in the event of normal utility powerfailure according to ISO8528-1. 10% over load capability is available.
- Stand By Power: Supplying of electrical power at variable load, in the event of normal utility power failure according to ISO8528-1. This rating is maximum power, no overload capability is available.



Engine Specifications		
Brand		SDEC
Model		SC4H160D2
Engine Power	(kWm / hp)	116
Revolution Per Min	(r.p.m)	1500
Total Displacement	(L)	4,3
Cylinders Orientation		4 SINGLE sira
Broke x Stroke	(mm x mm)	105 x 124
Compression Orientation		16 ; 01
Governor Type		ELECTRONIC
Aspiration System		TURBO AAC
njection		DIRECT
Cooling		SU SOĞUTMALI
Electrical System	(VDC)	24
₋ub-oil Capacity	(L)	13
Engine Coolant Capacity	(L)	6,8
Fuel Tank Capacity	(L)	298
Maximum Exhaust Temperature	(°C)	600
Maximum Exhaust Gas Flow	(m3/h)	16,3
Maximum Allowed Back Pressure	(kPa)	6
Cooling Air Flow	(m3/min)	7,39
Fuel Consumption 50 %	(L/h)	12,8
Fuel Consumption 75 %	(L/h)	16,7
Fuel Consumption 100 %	(L/h)	25

Replacable cylinder jacket

Dry type replacable air filter

Heat-resistant radiator for 50 °C

(V)	400/000
	400/230
(Hz)	50
(±)	1
	300
	Н
	IP 23
(%)	92,3
	1 HOUR - %110
(cos Phi)	0,8
	2
	YILDIZ / STAR
	4
	TEK / SINGLE
	(%)

Self-cooled

- Electronic type automatic voltage regulator (AVR)
- 4 poles, self-excitation, brushless, synchrontype alternator

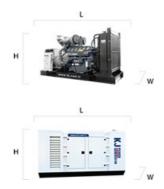


### Dimensions Without Canopy and Weight

WIDTH x LENGTH x HEIGTH	mm	1100x2500x1680
Wet Weight	kg	1282

### Dimensions With Canopy and Weight

WIDTH x LENGTH x HEIGTH	mm	1100x3100x1880
Wet Weight	kg	1617



#### Control Panel Features

- Diesel and gas genset support
- 400xölcüm değerli olay kaydı
- Multiple Automatic test program
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V&I
- Harmonic analysis of V&I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog outputs
- Battery charge run enabled

- Weekly Operation Schedule
- Dual mutual standby with equal aging of gensets
- Manual speed fine adjust some ECU's
- Automatic fuel pumpcontrol
- Disable protection feature
- Excess protection power
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Battery back-up real time clock
- Idle speed control
- All parameters front panel editable

- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Free configuration software
- Allow SMS controls
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (USB & RS232)
- Configurable through USB, RS-485, Ethernet and GPRS
- Ready for central monitoring Ethernet and GPRS