



## Model : KDP-18/S

PRP		ESP		Standby	Voltage/Ph	Hz/rpm	PF
kW	kVA	kW	kVA	Amps			
14	18	16	20	52	220/3Ph	60/1800	0.8

### Prime power

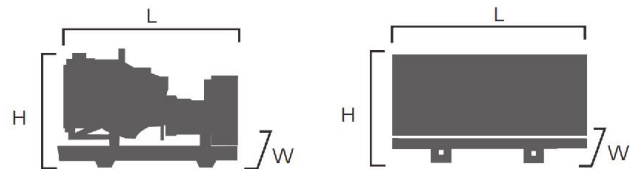
According to ISO8528-1, prime power is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during at 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

### Standby power

According to ISO 8528-1, It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.

### Diesel Generator Set

Engine Make /Model	PERKINS 403A-15G2
Alternator Make /Model	Brushless, self-exciting
Control Panel	Smartgen HGM6110N
Base Frame / Silent Canopy	Robust Structure/ Corrosion Resistant
Circuit Breaker Type	3pole MCCB (4P Available as option)
Built in Base Fuel Tank Capacity	8-12hrs
Battery	Maintenance free Lead Acid



### Fuel Consumption (L/H)

100% Standby power	5.12
100% Prime power	4.3
75% Prime power	3.1
50% Prime power	2.3

### Dimension and Weight

Dimension	Open	Silent
Length (L)	1200mm	1900mm
Width (W)	750mm	860mm
Height (H)	950mm	1020mm
Net Weight	430KG	695KG

## § Engine and Alternator Specification

Engine	
Engine Brand /Model	<b>PERKINS 403A-15G2</b>
Engine type	4-stroke diesel
Governor type	Mechanical
Injection	Direct Inject
Aspiration	Natural aspiration
Number of cylinders & arrangement	3-L
Bore*Stroke	84*90mm
Rated speed	1800rpm
Rated Power	16kW
Displacement	1.496L
Compression Ratio	22.5:1
Engine oil capacity	6.0L
Total coolant capacity	8.6L

Alternator	
Number of phase	3
Power factor (Cos Phi)	0.8
Poles	4
Winding Connections (standard)	Star-serie
Terminals	12
Insulation type	H class
Winding Pitch	2/3
IP rating	IP23
Excitation system	Self-excited
Bearing	Single bearing
Coating	Vacuum impregnation
Voltage regulator	A.V.R
Couping	Flexible disc

## § Controller

Configuration
§ Emergency stop button
§ Protection MCB
§ Battery charger
§ Integrated aviation plug
§ ATS connection
§ Digital control module



Genset Option Features
§ Battery charge
§ Engine heater
§ Daily fuel tank
§ Auto Transfer Switch( ATS)
§ Parallel control panels
§ Circuit Breaker MCCB & ACB
§ Remote Control Panel
§ Weatherproof/soundproof Canopy
§ Trailer type Gensets

Main Features
§ Automatic mains failure
§ Engine control,Generator protection
§ Built in alarms and warnings
§ Remote Start operation available
§ Daily / weekly / monthly exerciser
§ Weekly operation schedule programs
§ Fuel pump control
§ Mains simulation
§ Block heater control
§ Field adjustable parameters
§ Free MS-Windows Remote monitoring
§ LED displays
§ Configurable analogue inputs
§ I/O expansion capability

Quality Standards
§ ISO9001:2000,ISO14000,ISO3046
§ ISO8528 BS4999
§ BS5514,AS1359,ICE34
§ CE Compliance

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