

# CROWNPOWER SYSTEMS LTD

## TECHNICAL DATA John Deere 200 - 250 kVA Prime

MODEL	Prime	CPJD200	CPJD230	CPJD250
	Standby	CPJD220S	CPJD260S	CPJD275S
	Hz	50	50	50
	Speed	1500	1500	1500
<b>POWER OUTPUT</b>				
Prime Power	kVA	200	230	250
	kWE	160	184	200
Standby Power	kVA	220	260	275
	kWE	176	208	220
<b>GENERAL DATA</b>				
Engine Model		6081HF	6081HF	6081HF
Configuration		In Line 6/ Turbo	In Line 6/ Turbo	In Line 6/ Turbo
Governor		Mechanical	Mechanical	Mechanical
Alternator Model		UC1274H	UC1274J	UC1274K
Insulation		Class H	Class H	Class H
AVR				
Dimensions cm (L x W x H)				
Weight (wet)				
<b>Fuel Consumption</b>				
Prime	100%Load	42	50	55
Standby	100%Load	48	58	60
<b>Lube Oil Consumption</b>				
100% Prime	Ltrs/Hr	0.11	0.13	0.14
<b>Exhaust Gas (100% Standby)</b>				
Outlet Temperature				640
Flowrate		38.3	42.3	48.5
Back Pressure (Max) mm/WG		760	760	760
<b>Cooling Air (100% Standby)</b>				
Airflow	m <sup>3</sup> /min	410	410	410
Duct Allowance	mm WG	31	31	31
<b>Radiated Heat</b>				
Engine (Carcass Only)		25	26	27
Alternator				
<b>Load Acceptance</b>				
<b>First Step kWE</b>				
<b>Capacities</b>				
Engine Coolant	Ltrs	38	38	38
Engine Lube Oil	Ltrs	32	32	32
Fuel Tank	Ltrs	400	400	400

### Rating Definitions

#### Prime Power Models

All ratings are suitable for continuous electrical power (at variable load in lieu of mains power network)

There are no limitations to the annual hours of operation and all models will supply 10% for 1 hour in any 12 hours operation.

#### Standby Power Models

All ratings are suitable for the supply of emergency electrical power (at variable load in the event of network power failure) up to a maximum of 500 hours per annum No Overload is permitted.

#### Standard Reference Conditions

Fuel consumption figures are at 100% Prime Power. Output ratings are typical for sets operating at 380/416 volts

Ratings are at 25° C (77° F) ambient 177m (600ft) A.S.L All data in accordance with BS 5514 DIN 6271 ISO 3528 ISO 3046

# STANDARD SPECIFICATION

## Engine Water Cooled Direct Injection

Multi cylinder in line or vee form industrial diesel engine  
12/24 volt heavy duty dry charged  
Battery leads & lugs fitted  
Battery charge alternator  
Air cleaner medium duty  
Full flow fuel & oil filters  
Fuel lift pump & water separator  
Mechanical/Electronic governor  
Tropical duty radiator suitable for 40°C air on  
Engine driven fan

## Alternator (Newage)

Brushless  
Reconnectable 6/12 wire  
Class H insulation throughout  
Tropical protection  
Single Bearing  
Flexible disc coupling  
Spigotted coupling housing  
Voltage regulation better than +/- 1% at any pf between 0.8 lagging & unity  
Enclosure to IP22(NEMA 1) as standard for critical applications IP23 is available

## Chassis

Heavy duty fabricated steel chassis  
Four built in lifting points  
Built in fuel tank  
Twin flexible fuel lines  
Anti-Vibration mountings built in

## Control Panel (Digital)

Set mounted on anti vibration mountings manufactured from sheet steel finished white powder coating  
Key Operated Control Module giving Digital indication of volts amps & Frequency  
Low oil pressure  
High water temperature  
Engine overspeed  
Oil pressure gauge  
Water temperature gauge  
Battery charge voltmeter  
Set of instrument fuses  
3/4 Pole MCCB fitted with overload protection  
Set of suitably rated load terminals  
telemetry & or remote control options plus many other functions by upgrading module

## Optional (Analogue)

As an option you may prefer to have full analogue instrumentation which is available on request

## Finish

Self etched primer where required  
Final coat air dry enamel

## Packing

Shrink wrapped for shipping  
Except containerised or very large canopies

## Optional Extras:

**Weatherproof** canopies  
**Acoustic** enclosures  
**Containerised** acoustically treated packages  
**Trailers** for road or site use  
**Remote** radiator & installation kits  
**Heat** exchanger packages  
**Additional** exhaust silencers pipework etc to suit installation  
**Free** standing daily service or bulk fuel tank installation kits  
**Automatic** fuel transfer systems  
**Manual** or automatic synchronising systems switchgear packages etc  
**Automatic** transfer switches wall mounting or floor standing  
**Special** governing systems

## Warranty

Full manufacturers warranty guaranteeing the equipment for 12 months from commissioning or 18 months from shipment whichever is first

## General

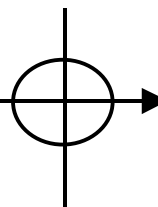
Set of engine alternator & plant instruction manuals /electrical schematics  
Fully factory tested complete with authorised test certificate  
Fully wired in flexible conduit sleeved cleated & anchored

## CROWPOWER SYSTEMS Engineered Power Solutions



Customer Focused

Solutions Driven



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