

# CROWNPOWER SYSTEMS LTD

## TECHNICAL DATA Perkins 1250 - 1500 kVA Prime

MODEL	Prime	CPP1250	CPP1300	CPP1500
	Standby	CP1400S	CPP1500S	CPP1650S
	Hz	50	50	50
	Speed	1500	1500	1500
<b>POWER OUTPUT</b>				
Prime Power	kVA	1270	1350	1500
	kWE	1016	1080	1200
Standby Power	kVA	1403	1500	1658
	kWE	1124	1200	1326
<b>GENERAL DATA</b>				
Engine Model		4012TWG2	4012TAG1A	4012TAG2A
Configuration		V12 Turbo	V12 Turbo	V12 Turbo
Governor		Electronic	Electronic	Electronic
Alternator Model				HCI734F
Insulation		Class H	Class H	Class H
AVR				
Dimensions cm (L x W x H)		5400 X 2000 X 2746	5600 X 2100 X 2592	5600 X 2100 X 2592
Weight (wet)		12000	12900	12900
<b>Fuel Consumption</b>				
Prime	100%Load	265	276	306
Standby	100%Load	294	309	345
<b>Lube Oil Consumption</b>				
100% Prime		0.66	0.72	0.77
<b>Exhaust Gas (100% Standby)</b>				
Outlet Temperature		460	460	472
Flowrate		245	257	285
Back Pressure (Max) mm/WG		949	949	612
<b>Cooling Air (100% Standby)</b>				
Airflow	m <sup>3</sup> /min			
Duct Allowance	mm WG			
<b>Radiated Heat</b>				
Engine (Carcass Only)		195	185	190
Alternator				
<b>Load Acceptance</b>				
First Step kWE				
<b>Capacities</b>				
Engine Coolant	Ltrs	205	235	243
Engine Lube Oil	Ltrs	178	178	178
Fuel Tank	Ltrs			

### 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

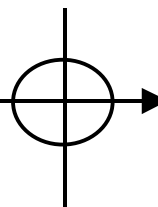
<p><b>Engine Water Cooled Direct Injection</b>  Multi cylinder in line or vee form industrial diesel engine  12/24 volt heavy duty dry charged  Battery leads &amp; lugs fitted  Battery charge alternator  Air cleaner medium duty  Full flow fuel &amp; oil filters  Fuel lift pump &amp; water separator  Mechanical/Electronic governor  Tropical duty radiator suitable for 40°C air on  Engine driven fan</p> <p><b>Alternator (Newage)</b>  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 &amp; unity  Enclosure to IP22(NEMA 1) as standard for critical applications IP23 is available</p> <p><b>Chassis</b>  Heavy duty fabricated steel chassis  Four built in lifting points  Built in fuel tank  Twin flexible fuel lines  Anti-Vibration mountings built in</p>	<p><b>Control Panel (Digital)</b>  Set mounted on anti vibration mountings manufactured from sheet steel finished white powder coating  Key Operated Control Module giving Digital indication of volts amps &amp; 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 &amp; or remote control options plus many other functions by upgrading module</p> <p><b>Optional (Analogue)</b>  As an option you may prefer to have full analogue instrumentation which is available on request</p> <p><b>Finish</b>  Self etched primer where required  Final coat air dry enamel</p> <p><b>Packing</b>  Shrink wrapped for shipping  Except containerised or very large canopies</p>	<p><b>Optional Extras:</b>  <b>Weatherproof</b> canopies  <b>Acoustic</b> enclosures  <b>Containerised</b> acoustically treated packages  <b>Trailers</b> for road or site use  <b>Remote</b> radiator &amp; installation kits  <b>Heat</b> exchanger packages  <b>Additional</b> exhaust silencers pipework etc to suit installation  <b>Free</b> standing daily service or bulk fuel tank installation kits  <b>Automatic</b> fuel transfer systems  <b>Manual</b> or automatic synchronising systems switchgear packages etc  <b>Automatic</b> transfer switches wall mounting or floor standing  <b>Special</b> governing systems</p> <p><b>Warranty</b>  Full manufacturers warranty guaranteeing the equipment for 12 months from commissioning or 18 months from shipment whichever is first</p> <p><b>General</b>  Set of engine alternator &amp; plant instruction manuals /electrical schematics  Fully factory tested complete with authorised test certificate  Fully wired in flexible conduit sleeved cleated &amp; anchored</p>
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## CROWNPOWER SYSTEMS Engineered Power Solutions



Customer Focused

Solutions Driven



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