

CROWNPOWER SYSTEMS LTD

TECHNICAL DATA Cummins 630 – 800 kVA Prime

MODEL	Prime	CPC630	CPC	CPC800
	Standby	CPC670S	CPC	CPC880S
	Hz	50	50	50
	Speed	1500	1500	1500
POWER OUTPUT				
Prime Power	kVA	630		797
	kWE	504		638
Standby Power	kVA	670		879
	kWE	536		703
GENERAL DATA				
Engine Model				
Configuration		V12 Turbocharged	V12 Turbocharged	V12 Turbocharged
Governor		Electronic	Electronic	Electronic
Alternator Model		HCI554F		HCI634G
Insulation		Class H	Class H	Class H
AVR				
Dimensions cm (L x W x H)				
Weight (wet)				
Fuel Consumption				
Prime	100%Load	140		168
Standby	100%Load	154		187
Lube Oil Consumption				
100% Prime		0.7		0.84
Exhaust Gas (100% Standby)				
Outlet Temperature		507		557
Flowrate		123		152
Back Pressure (Max) mm/WG		1033		1033
Cooling Air (100% Standby)				
Airflow	m ³ /min			
Duct Allowance	mm WG			
Radiated Heat				
Engine (Carcass Only)		121		146
Alternator				
Load Acceptance				
First Step kWE				
Capacities				
Engine Coolant	Ltrs	164		169
Engine Lube Oil	Ltrs	83		154
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

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 of 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

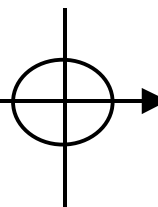
CROWNPPOWER SYSTEMS

Engineered Power Solutions



Customer Focused

Solutions Driven



CROWNPPOWER SYSTEMS LTD
Parkfield Business Centre
Parkfield House
Stafford
ST17 4AL

Tel + 44 (0) 1785 214766
Fax +44 (0) 8700 560225
mailto:sales@generatorsuk.co.uk
website <http://www.generatorsuk.co.uk/>