CROWNPOWER SYSTEMS LTD

TECHNICAL DATA Cummins 1500 - 2000 kVA Prime

MODEL	Prime	CPC1500	CPC1700	CP2000
	Standby	CPC1670S	CPC1920S	CP2250S
	Hz	50	50	50
	Speed	1500	1500	1500
POWER OUTPUT		1000	1000	1000
I OWEN OON OT				
Prime Power	kVA	1500	1710	2000
I IIIIIO I OWCI	kWE	1200	1368	1600
Standby Power	kVA	1676	1920	2250
Staridby I Ower	kWE	1341	1536	1800
GENERAL DATA	IX V V L	1341	1550	1000
GENERAL DATA				
Engine Model		KTA50G8	QSK60G2	QSK60G4
Configuration		In Line 6/ Turbo	In Line 6/ Turbo	In Line 6/ Turbo
Governor		Mechanical	Mechanical	Mechanical
Alternator Model		HC1734F	HC1734G	P70L14C
		Class H	Class H	Class H
Insulation		Class n	Class H	Glass n
AVR	· / / / · /			
Dimensions cm (L	,			
	vet)			
Fuel Consumptio	<u>n</u>			
Drimo 10	00%Load	310	337	394
,	00%Load	345	373	437
Lube Oil Consum	ption			
1000/ Duine		4.55		1 07
100% Prime		1.55		1.97
Exhaust Gas (100	% Standby)			
Outlet Tamasassassassas	_	F10		450
Outlet Temperature	е	510		450
Flowrate	0.440	261		337
Back Pressure (Ma				693
Cooling Air (100%	Standby)			
Airflow	/min	00		4.4.4
	/min	99		144
Duct Allowance mr	n WG	13		19
Radiated Heat				
Engine (Carres C	الماماد			
Engine (Carcass C	riiy)			
Alternator				
Load Acceptance				
First Ctars Is/A/F				
First Step kWE				
Capacities				
English Oralland	Liter	500	004	001
Engine Coolant	Ltrs	562	621	621
Engine Lube Oil	Ltrs	204	280	280
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 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

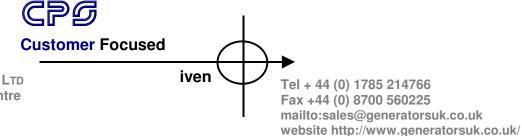
General

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

CROWNPOWER SYSTEMS

Engineered Power Solutions



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