

CROWNPOWER SYSTEMS LTD

TECHNICAL DATA Perkins 1750 - 2000 kVA Prime

MODEL	Prime	CPP1750	CPP1800	CPP2000
	Standby	CPP1900S	CPP2000S	CP2250S
	Hz	50	50	50
	Speed	1500	1500	1500
POWER OUTPUT				
Prime Power	kVA	1750	1800	2050
	kWE	1400	1440	1640
Standby Power	kVA	1929	2000	2250
	kWE	1543	1600	1800
GENERAL DATA				
Engine Model		4016TAG	4016TAG1A	4016TAG2A
Configuration		V16 Turbocharged	V16 Turbocharged	V16 Turbocharged
Governor		Electronic	Electronic	Electronic
Alternator Model		HCI734G	HCI734H	HCI734H
Insulation		Class H	Class H	Class H
AVR				
Dimensions cm (L x W x H)		5600 X 2100 X 2592	6450 X 2316 X 2956	6450 X 2316 X 2956
Weight (wet)		12900	17900	17900
Fuel Consumption				
Prime	100%Load	362	389	436
Standby	100%Load	402	428	490
Lube Oil Consumption				
100% Prime		0.89	0.99	1.09
Exhaust Gas (100% Standby)				
Outlet Temperature		469	500	480
Flowrate		353	362	411
Back Pressure (Max) mm/WG		949	949	949
Cooling Air (100% Standby)				
Airflow	m ³ /min	1296	1896	1896
Duct Allowance mm WG		25	25	25
Radiated Heat				
Engine (Carcass Only)		180	214	247
Alternator				
Load Acceptance				
First Step kWE				
Capacities				
Engine Coolant	Ltrs	238	238	238
Engine Lube Oil	Ltrs	295	295	295
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

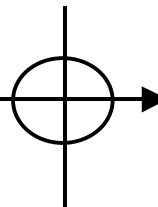
CROWPOWER SYSTEMS

Engineered Power Solutions



Customer Focused

Solutions Driven



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