Model:C30D5

Powered by DCEC

Output Rati	ng			
MODEL		Powe	er rating	Voltage available
		PRIME(1)	STANDBY(2)	
C30D5	400V/50HZ	22KW	24KW	380/220V 400/230V 415/240V
	PF:0.8	27KVA	30KVA	

General Information				
	Model	C30D5		
	Engine	4B3.9G1		
Speed	l control type	Mechanical		
	Phase	3		
Control System		Digital		
System voltage		12V		
Frequency		50HZ		
Engine Speed(RPM)		1500		
	Standby power(2)	7.5		
Fuel Consumption (L/hr)	Prime Power(1)	6.7		
	75% prime power	5.2		
	50% prime power	4.0		

Dimension and Weight						
Open	Silent					
1750mm	2240mm					
970mm	980mm					
1500mm	1585mm					
850KG	1160KG					
	Open 1750mm 970mm 1500mm					

AGG POWER gensets are compliant with EC mark which include the following directives:

* 2006/42/EC Machinery safety.

* 2006/95/EC Low voltage

* EN 60204-1: 2006+A1:2009, EN ISO 12100:2010, EN ISO 13849-1: 2008, EN 12601: 2010

(1)Prime Power(PRP):

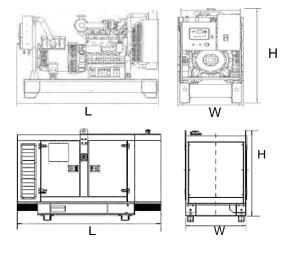
According to ISO 8528-1:2005, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operation conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24h of operation shall not exceed 70% of the PRP.

(2) Standby Power (ESP):

According to ISO 8528-1:2005, standby power is the maximum power available during a variable electrical power sequence, under the stated operation conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200h of operation per year with the maintenance intervals and procedures being caried out as prescribed by the manufacturers. The permissible average power output over 24h of operation shall not exceed 70% of the ESP.



-0		\$	
			ľ
	E	-	



AGG POWER SOLUTIONS CO, LTD | MINHOU INDUSTRIAL ZONE, FUZHOU, CHINA | T:+86 591 86396829 F: +86 591 86396929 | EMAIL: sales@aggpower.com | WEB: www.aggpower.com



Engine Specification

-	sion Ratio:	17.3:1	Aspiration:	Naturally Aspira	ated
Bore:		102 mm	Displacement:	3.9 L	
Storke:		120 mm	No. of Cylinders:	4	
Governor	Regulation:	≤8%	Fuel System:	BYC A/RSV Me	chanical
ENGINE					
	Maximum (Statio	c) Bending Moment at I	Front Support Mounting Surface	eN.m	435
	Maximum (Statio) Bending Moment at S	Side Pad Mounting Surface	- N.m	TBD
	Maximum (Statio	c) Bending Moment at I	Rear Face of Block	- N.m	1356
	Moment of Inerti	a of Complete Engine			
	— Roll Ax	kis		········-kg·m²	16.5
	— Pitch A	xis		kg·m ²	41.1
	— Yaw A	xis		kg·m ²	35.4
FXHAU	ST SYSTEM			_	
_/(; // ()		Pressure		kPa	10
	Exhaust Pipe Si	ze Normally Acceptable	э	- mm	75
	Maximum Static	Supported Weight at the	he Turbocharger Outlet Flange.	N.m	13.5
	Exhaust Manifol	d Insulation Acceptable		Yes/No	No
	Turbocharger In	sulation Acceptable		Yes/No	No
AIR INT	AKE SYSTEM				
	Maximum Intake	Air Restriction with He	eavy Duty Air Cleaner		
	— Dirty E	lement		- kPa	6
	— Clean	Element		- kPa	4
	Minimum Dirt Ho	Iding Capacity with He	avy Duty Air Cleaner	- g/cfm	53
	Maximum Temp	erature Rise from Amb	ient to the Inlet of the Turbocha	ırger ℃	17
	Recommended	ntake piping size (inne	r diameter)	mm	76
LUBRIC	CATION SYSTE	EM			
	Minimum Engine	e Oil Pressure for Engir	ne Protection Devices:		
	-Idle	Speed		kPa	207
	-Gove	erned Speed		- kPa	345
	Maximum Oil Te	mperature		- °C	121
	• •		gh - Low		9.5 - 8.5
			city - Sump plus Filters		10.9
			s stated are for intermittent oper	• •	40
					40 40
		•			40 40
	G SYSTEM				
UUULIII		- Engine Only		litre	7.2
			al to Engine1800 rpm		35
			-1500 rpm		28
	Maximum Static I	Head of Coolant Above	Engine Crank Centerline		14
			je		82 - 95
			· · · · · · · · · · · · · · · · · · ·		69

Maximum Top Tank Temperature for Standby / Prime Power..... $^\circ\!\mathrm{C}$



-





Alternator

Alternator		
Poles	Num	4
Winding Connections (standard)		Star-serie
Insulation	Class	H class
Enclosure (according IEC-34-5)		IP23
Exciter System		Brushless
Voltage Regulator		A.V.R. (Electronic)
Bearing		Single bearing
Coupling		Flexible disc
Coating type		Standard (Vacuum impregnation)

Options

Engine	Alternator	Generator Sets	Fuel System	Canopy
 Water Jacket Preheater Oil Preheater 	 Winding Temperature measuring Instrument Alternator Preheater PMG Anti-damp and anti-corrosion treatment Anti-condensation heater 	•Tools with the machine	 Low fuel level alarm Automatic fuel feeding system Fuel T-valves 	•Rental Type Canopy •Trailer
Lubricating System	Exhaust System	Cooling System	Control Panel	Voltages
●Oil with the machine	 Protection board from hotness 	 Front heat protection Coolant (-30°C) 	 Remote control panel ATS Remote controller Synchronizing controller 	 415/240V 380/220V 220/127V 220/127V 200-115V







Your Professional Power Assistant

Control Panel



Product description

- Single gen-set controller for Stand-by and Primepower applications
- Direct communication with EFI engines
- Total remote monitoring and control

Key features

- Easy to install, configure and use
- Wide range of communication capabilities including:
 - connection via RS232, RS485, CAN and on board USB
 - internet access using Ethernet or GPRS
 - support for Modbus and SNMP protocols
- Cloud-based monitoring and control
- Active SMS and emails in different languages
- 2x 5 A binary outputs for cranking and fuel solenoid
- Option for up to 16 additional binary inputs/outputs
- Flexible event based history with up to 350 events
- · Load shedding, dummy load capability
- Automatic temperature based cooling/heating
- Comprehensive gen-set protections
- Multipurpose flexible timers
- True RMS measurement

Available extension modules

Product	Description	Order code
CM-Ethernet	Ethernet interface	CM2ETHERXBX
CM-GPRS	GSM modem / wireless internet	CM2GPRSXXBX
CM-RS232-485	Dualportinterface	CM223248XBX
EM-BIO8-EFCP	8 additional binary inputs/outputs	EM2BIO8EXBX

Functions and protections

Description	ANSI code	Descritption	ANSI code
Over voltage	59	Load shedding	32P
Under voltage	27	Overload	32
Voltage asymmetry and Phase rotation**	47	Power factor	55
Over frequency	81H	Temperature	49T
Under frequency	81L	Gas (fuel) level	71
Over current*	50 + 51	Earth fault current	50N+64
Current unbalance	46		

* Short current only



** Fixed setting

