

HEBRON VENTURES INC. GENEATOR

HUALI 400KW Perkins Diesel Generator Set



The picture is only for reference

Section A. Technical Specification

1. Specification of genset

Gensets model	HL400GF
Prime power	400KW/500KVA
Rated Voltage	400/230V
Rated frequency(HZ)	50
Rated Speed	1500rpm
Power Factor(COS ϕ)	0.8(lagging)
Noise (7m) dB(A)	78
Dimensions(mm) (L×W×H)	5215X2000X2450
Net Weight(kg)	6515

2. Specification of diesel engine

Engine brand	Perkins
Engine model	2506C-E15TAG2
Number of Cylinders	6
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Turbocharged
Bore×Stroke (mm×mm)	137x 171
Displacement (Liter)	15
Compression Ratio	16:1
Speed Governor	ECM
Cooling System	Forced Water Cooling Cycle
Total lubrication system capacity (L)	62
Fuel Consumption at 100% Load (L/h)	106
Starting Method	DC24V electrical starting

3. Specification of alternator	
Alternator brand	SHANHUA(Shandong Huali Electromechanical Co.,Ltd)
Alternator model	HLF400
Number of Phase	3
Connecting Type	3 Phase and 4 Wires
Number of Bearing	1
Protection Grade	IP21
Altitude	≤1000m
Exciter Type	Brushless ,Self-exciting, AVR automatic voltage regulating,100% Copper winding wire
Insulation Class	H
Telephone Influence Factor (TIF)	≤50
THF	≤2%
Voltage Regulation, Steady State	≤±1%
Transient State Voltage	≤-15%~+20%
4. Cnontrol System (with MRS10 Controller)	
Operating temperature : -20℃~60℃ Relative Humidity : 95% Operating voltage : DC24V (range : 18-30V, pressure : 50V/5 mm)	
General functions and features of MRS10 Controller	
Control screen is small, reliable performance, simple operation, the internal circuits clear, easy detection. With automatic detection and protection features protect the engine safe and stable operation. Multi-interface display unit work and alarm state, intuitively clear, LCD displays the parameters of diesel engines. Microcomputer can be set on the control panel input, output, alarm, delay and other parameters. Maintenance, manual, automatic and other modes of operation. No non-normal electricity supply automatic starting, generator fault protection off, to provide historical state records. Generator over / under voltage, generator frequency / high frequency generator speed due to speed / over speed, low oil pressure, high temperature, emergency stop, battery over / under voltage, over current / short circuit protection function.	
Description For MRS10	
Standard functions:	
Engine Control Generator Monitoring Generator Protection Engine Monitoring Clear Text Display	
Shutdown:	

Loss of Speed Signal
Alternator Under / Over Voltage
Alternator Under/ Over Frequency
Mains Under / Over Voltage
Mains Under/ Over Frequency
Under / Over Speed
Low Oil Pressure
High Engine Temperature
Phase Sequence Electrical (Option)
Earth Fault (Option)

Warning:

Alternator Under / Over Voltage
Alternator Under/ Over Frequency
Mains Under / Over Voltage
Mains Under/ Over Frequency
Under / Over Speed
Low Oil Pressure Pre-Alarm
High Engine Temperature Pre-Alarm
High/Low Battery Voltage
Over-current
Periodic maintenance

Pls check the following picture (Control panel):



Section B Scope of Supply

Standard scope of supply including:

- (1) Brand new Perkins diesel engine.
- (2) Brand Shanhua AC brushless alternator IP21.
- (3) Radiator: 40°C .Ambient temperature mounted on skid.
- (4) Three phase,380/220V, 50HZ@1500RPM, 0.8PF.
- (5) Standard Accessories(such as operation manual,certificate of conformity and so on).