

DIESEL GENERATOR

HarbinGer
EQUIPMENT LLC



HDG45SRI

Basic Info

Genset Model:	HDG45SRI
Rated Power:	45KVA / 36KW
Standby Power:	50KVA / 40KW
Rated Speed:	1800RPM
Rated Frequency:	60HZ
Rated Voltage&Phase:	480-208V(3 Phase) 240/120V(1 Phase)
Phase:	1&3
Power Factor:	0.8
Governer method:	Common rail, HP-3 Type
Dimension:	L - 86.2 inch W - 41.7 inch H - 63.8 inch
Fuel Tank Size:	100 Gal
Dry Weight	2700 Lbs
Socket Type:	2x20A(120V) 2x50A(240V)

General Features

- >> Equipped with 50°C ambient temperature Radiator
- >> 100Gal running fuel tank equipped for easy clean and maintenance
- >> Powder painting body to avoid being scratch and peel off
- >> Simultaneous single and three-phase power
- >> Voltage selector switch offers the operator a wide range of voltages that are manually selectable. Fine tuning of the output voltage can be accomplished by adjusting the voltage regulator control knob to obtain the desired voltage
- >> EPA emissions certified — Tier 4 final emissions compliant
- >> Engine fitted with DOC
- >> Anti-vibration mountings between the engine/alternator and base frame
- >> Lift ring and fork lift pocket provided for easy movement
- >> Mineral wool cotton provided better sound absorbing to realize low noise level
- >> Electric control and power panel with measuring and monitoring devices and control unit
- >> Simulating oil pressure, water temperature, oil level, battery voltage, engine speed
- >> Adjust parameter in the controller directly or by connected by PC
- >> Emergency stop button and alarm provided

Application

- >> Mining site
- >> Construction
- >> Utilities
- >> Special events
- >> Military
- >> Airport and seaport
- >> Emergency Solution

Note:

- (1) Prime Power: Prime power is available for an unlimited number of annual operating hours in variable load applications; in accordance with ISO8528-1. A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation, in accordance with ISO3046-1.
- (2) Standby Power: Standby power is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.
- (3) HarbinGer reserves the right to modify the specifications without prior notice. All ratings are for guidance only, please refer to the final specific generator information from HarbinGer.

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Specifications

Engine Specification	
Model	4LE2X
Manufacturer	ISUZU
Number of Cylinders	4
Cylinder Arrangement	In-line
Cycle	Four stroke
Induction System	Turbocharged
Compression Ratio	17.6:1
Bore x Stroke	3.35x3.78 inch
Displacement	2179 cc
Estimated Total Weight (Dry)	465 Lbs
Rated Power at 1800rpm	49 KW
Oil Capacity-Max	2.75 Gal
Oil Capacity-Min	2.0 GaL
Coolant Capacity(with radiator)	2.6 GaL
Governor Method	Common rail, HP-3 type
Starting System	Electric
Type of Injection Model	Direct Injection
Initial Injection Pressure	3.04 Mpa
100% Fuel Consumption (prime)	2.7 Gal/h
Starter Capacity	12V-2.0KW
Alternator Capacity	12V-50A
Silence Type	Industrial
Lube Oil Brand	15W40-CH4 Upgrade
Cooling System	Water cooled
Alternator Specification	
Model	S1L2-R1
Frequency and Speed	60Hz/1800rpm
Manufacturer	Stamford
Prime Capacity	48KW
Exciter Type	Brushless
Insulation	Class H
Protection	IP23
Rated Power Factor	0.8
Stator Winding	Double Layer Concentric
Winding Pitch	Two Thirds
Winding Leads	12
Number of Poles	4
THF (Wave Form IEC)	<2%
TIF (Wave Form NEMA)	<50
Voltage Regulation	1.00%
Controller Specification	
Manufacturer	DeepSea
Model	DSE7420