

Diesel Generator Set-Basic Parameters

Model: HNSC90DC

Rated power: 112(KVA)

Standby power: 125(KVA)

Output current: 162 (A)

Weight: 1100 (KG)

Open type size: 2100*780*1150(mm)

Output voltage: 400/230 (V)

Diesel Engine-Basic Parameters

Model: SC4H140.15CF2

Rated power: 126(KVA)

Standby power: 138(KVA)

Emission standard: T2

Ship inspection: CCS/IMOⅡ

Manufacturer: SDEC

Bore: 105 (mm)

Stroke: 124 (mm)

Speed control mode: electronic speed control

Displacement: 4.3 (L)

Number of cylinders: 4

Fuel consumption rate: 192g/kW.h

Oil consumption rate: 0.3g/kW.h

Type: 4-stroke, water-cooled, in-line, wet cylinder liner

Fuel system: electronically controlled/common rail

Speed: 1500 (RPM)

Firing order: 1-5-3-6-2-4

Flywheel housing: SAE3

Flywheel: 11.5

Fuel specification and grade: China 0# (light diesel oil)

Noise: ≤102dB(A)

Crankshaft rotation direction: counterclockwise

Starting method: electric start

Diesel engine overhaul period: 20000h

Motors - Basic Parameters

Model: TFXW251D4P00-H

Rated power: 112 (KVA)

Brand: LANZHOU DIANJI (standard)

Motor type: brushless three-phase AC synchronous generator

Voltage Regulation: AVR (Automatic Voltage Regulation)

Temperature rise: H°C

Overcurrent: 3 ~ 5Ie≥5S

Overload capacity: 3 ~ 5Ie≥5S

Short-circuit current: 3 times 2 seconds

Short-circuit capability: 3 times 2 seconds

Power factor: 0.8

Insulation/protection grade: H class/IP23

Wiring: three-phase four-wire, Y-type connection

Rated voltage: 400/230(V)

Winding material: pure copper

Cooling method: self-cooling

Excitation method: self-excitation

Telephone interference factor: THF<2, TIF<50

Attachment

Connecting chassis material: bending steel plate

Chassis strength: passed 500KG torsion test

Unit steel common base (including: unit composite vibration damping rubber mat)

Vibration damping pads: bowl type or square type rubber vibration damping pads