

FUJIAN EPOS ELECTRIC MACHINERY CO., LTD

EMEAN
POWER



FAWDE

ENGINE MODEL: 4DW92-39D

EMEAN POWER

www.emeanpower.com
Email: sale5@fjepos.com
Phone: +86 19890349907

WHATSAPP



WECHAT



| Basic technical data | | |
|------------------------------|----|--------------|
| Engine Model | | 4DW92-39D |
| No. of cylinders | | 4 |
| Cylinder arrangement | | In-line |
| Cycle | | 4 stroke |
| Aspiration | | Turbocharged |
| Cooling system | | Water-cooled |
| Bore | mm | 90 mm |
| Stroke | mm | 100 mm |
| Compression ratio | | 17:1 |
| Displacement | L | 2.54 L |
| Dry engine weight | kg | 250 kg |
| Dimension (L*W*H) | mm | 700*590*680 |
| The Flywheel shell interface | | SAE3-11.5" |

| Performance Data | | |
|------------------------------------|-------|--------------------|
| Governed Engine Speed | r/min | 1500 |
| Continuous Power without Fans | kW | 29 |
| Standby Power | kW | 32 |
| Adaptive power station (kw) | kW | 25 |
| Steady state speed regulation rate | % | 5 / Mechanical |
| | | 0-3 / Electronical |
| Emission Standards | | CN Stage II |
| Noise Level | dB | ≤107 |
| Average effective pressure | mPa | 0.91 |

| Lubrication system | | |
|-----------------------------|-----|-------|
| Lubricating oil capacity | L | 8 |
| Lubricating oil consumption | L/h | ≤0.03 |

| Fuel system | | |
|-----------------------|--------|------|
| Fuel consumption PRP | kg/h | 6.50 |
| Fuel consumption Rate | g/kW·h | |
| 25% prime power | g/kW·h | 262 |
| 50% prime power | g/kW·h | 237 |
| 75% prime power | g/kW·h | 224 |
| 100% prime power | g/kW·h | 224 |

| | | |
|--------------------|--------|-----|
| 100% standby power | g/kW·h | 225 |
|--------------------|--------|-----|

Air intake system

| | | |
|--|---------------------|------|
| Air consumption | m ³ /min | 2.3 |
| Maximum allowed intake pressure | kPa | 6.3 |
| Exhaust gas discharge | m ³ /min | 5.8 |
| Exhaust temperature (exhaust gas after turbine) | °C | 480 |
| Exhaust heat | kw | 23.4 |
| Maximum allowed back pressure | kPa | 6.7 |

Heat balance

| | | |
|---------------------------------|----|------|
| Engine heat output | kw | 4.6 |
| Heat removal of coolant | kw | 20.1 |
| Heat dissipation of intercooler | kw | 0 |

Cooling system

| | | |
|---------------------------------|-----------------------|-------------|
| Fan Speed Ratio | | 1.77 |
| Pump Flow head | L/s | 1.2 |
| Coolant capacity-engine | L | 6 |
| Fan diameter | mm | 400 |
| Fan speed | R/min | 2655 |
| Fan flow | m ³ /s/Pa) | 1.02/400 |
| Fan power consumption | kW | 1.2 |
| Coolant capacity-Radiator | L | 8 |
| Thermostat on / off temperature | °C | |
| Noted:Pump Flow / Speed head | | 70/2600-6.2 |

Electrical system

| | | |
|---------------------------------------|--|------|
| Auxiliary voltage (V) | | 12 V |
| Alternator (A) | | 50 |
| Starter Motor (kw) | | 3.5 |
| Start preheater (kw) | | 0.8 |
| Number of teeth of flywheel ring gear | | 109 |

Power Calibration Regulations

1.The diesel engine performance data specified above are based on the atmospheric environment specified in the GB/T6072.1/ISO3046-1 standard.
The atmospheric pressure is 100kPa, the ambient temperature is 25°C, and the air humidity is 30%. Fuel calorific value 42.7mJ/kg

2.Prime power refers to the output power that the diesel engine can run for a long time without time limit

under this working condition

3.Standby power refers to that the diesel engine is allowed to work continuously for 1 hour under the limited power of fuel volume every 6 hours

Power correction

1.The diesel engine can be used without reducing the power when the altitude is 400m and the ambient temperature is less than 40℃.

2.When the environment deviates from the standard, the operating power of the diesel engine shall be corrected according to the following table

| | | |
|---------------------|-----|---------------|
| Altitude < 3000m | %/m | 4/500 |
| Altitude>3000m | %/m | 6/500 |
| Ambient Temperature | %/℃ | 2/5 |
| Humidity | % | No correction |

Fuel consumption rate

Unless otherwise specified, the allowable deviation of calibrated fuel consumption rate at rated power is + 5%

EMEAN POWER

www.emeanpower.com

Email: sale5@fjepos.com

Phone: +86 19890349907

WHATSAPP



WECHAT

