

# INNOVATION. PRECISION. TRUST.



192KW

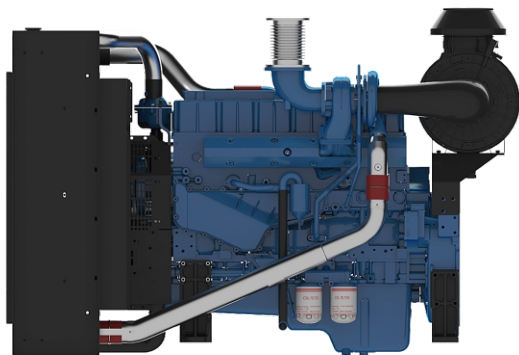
EU Stage II

6 cylinders

## YUCHAI GENSET ENGINE

## D225R2-MP-ETA-610

Engineered for superior performance, the D225R2-MP-ETA-610 delivers 160 kWe of prime power with advanced turbocharged technology. This 6-cylinder 10.34L diesel engine combines high efficiency with robust construction for demanding power generation needs.



### Main technical parameters

Number of cylinders	6
Configuration	Vertical, in-line
Aspiration	Turbocharged, air/air intercooled
Combustion system	Direct injection
Compression ratio	16.8:1
Bore × Stroke	123x 146
Displacement	10.34L
Rotation	Counterclockwise (viewed from the flywheel end)
Fuel system	Mechanical
Governor	Electronic
Stability at constant load (ISO 8528-5 Class G3)	± +/- 0.5 %
50/60Hz switchable operation	NO
Electric system	24V
Tropical Radiator mounted on the engine	Ambient 50°C
Flywheel Housing	SAE1 /14"
Lubrication Oil capacity	30L
Coolant capacity	65L
Emission class	EU Stage II

[YUCHAIMOTOR.COM](http://YUCHAIMOTOR.COM)

## The engine performance

### Gross Engine Output 50Hz

PRP	192 kWm
ESP	211 kWm

### Typical Generator Output 50Hz

PRP	160 kWe
PRP	200 kVA
ESP	225 kVA

### Fuel consumption

STANDBY(ESP)	205.1 g/kWh	51.9 L/h
PRIME(PRP)	203.3 g/kWh	46.7 L/h
75% PRP (prime)	204.7 g/kWh	23.5 L/h
50% PRP (prime)	202.3 g/kWh	34.9 L/h
HVO synthetic fuel acceptance		

## Key Features

### Main Features

- ✓ Compact design
- ✓ Good power density
- ✓ Durability
- ✓ Easy service & maintenance
- ✓ Low fuel consumption
- ✓ Wide selection of optional equipment
- ✓ Low noise
- ✓ Tailored cooling pack

### Standard scope of supply

- ✓ Cast iron cylinder block c/w separate cast iron cylinder head
- ✓ Aluminum alloy pistons with gallery oil cooling
- ✓ Automatic belt tensioner, Lift eyes, Fixed front suspension
- ✓ Radiator with mechanical pusher fan, thermostatically controlled
- ✓ Large capacity oil pan, spin-on full-flow oil filter, oil dipstick
- ✓ Fuel injection pump for high inject pressure, P-type injectors, duplex fine fuel filters
- ✓ Side mounted turbocharger
- ✓ Rear mounted air filter with restriction indicator
- ✓ 24V DC electric system with 9kW starter
- ✓ 55A charging alternator
- ✓ Heat isolated exhaust manifold

## Dimensions & Weight

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Including radiator (dry weight)

**2088**

Length (mm)

**1130**

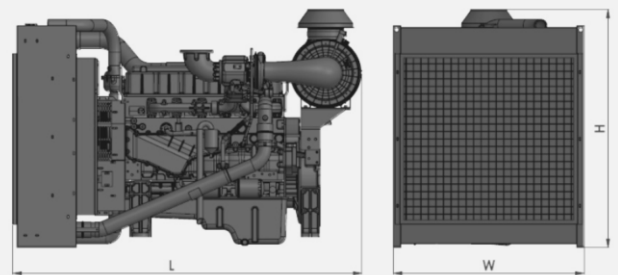
Width (mm)

**1392**

Height (mm)

**1186**

Weight (kg)



### POWER DEFINITIONS:

#### ESP = STANDBY POWER

According to ISO8528 is maximum power available during variable electrical power sequence up to 200h of operation per year, permissible output over 24h operation should not exceed 70% ESP

#### PRP = PRIME POWER

According to ISO8528 is maximum power engine can deliver continuously for unlimited number of hours per year permissible output over 24h operation should not exceed 70% PRP

**YUCHAIMOTOR.COM**

**INTERNATIONAL  
WARRANTY**

**Prime Power**

2 years with  
no hours limitations

**Standby Power**

4 years or max. 1000 hrs  
but not more than 300 hrs per year