

INNOVATION. PRECISION. TRUST.



60KW

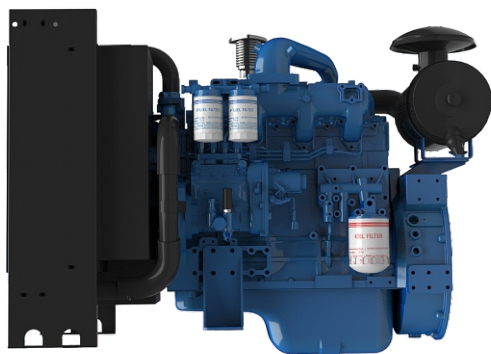
EU Stage II

4 cylinders

YUCHAI GENSET ENGINE

D69R2-MP-ET-442

Engineered for superior performance, the D69R2-MP-ET-442 delivers 50 kW of prime power with advanced turbocharged technology. This 4-cylinder 4.2L diesel engine combines high efficiency with robust construction for demanding power generation needs.



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Main technical parameters

Number of cylinders	4
Configuration	Vertical, in-line
Aspiration	Turbo supercharging
Combustion system	Direct injection
Compression ratio	17.5:1
Bore × Stroke	108x 115
Displacement	4.2L
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	12V
Tropical Radiator mounted on the engine	Ambient 50°C
Flywheel Housing	SAE3 /11.5"
Lubrication Oil capacity	13L
Coolant capacity	24L
Emission class	EU Stage II

The engine performance

Gross Engine Output 50Hz

PRP	60 kWm
ESP	66 kWm

Typical Generator Output 50Hz

PRP	50 kWe
PRP	63 kVA
ESP	69 kVA

Fuel consumption

STANDBY(ESP)	230.7 g/kWh	18.2 L/h
PRIME(PRP)	227.3 g/kWh	16.3 L/h
75% PRP (prime)	232.3 g/kWh	8.3 L/h
50% PRP (prime)	230.1 g/kWh	12.4 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 installed on the engine 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
- ✓ 12V DC electric system with 3.7kW starter
- ✓ 35A charging alternator
- ✓ Heat isolated exhaust manifold

Dimensions & Weight

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Including radiator (dry weight)

1300

Length (mm)

897

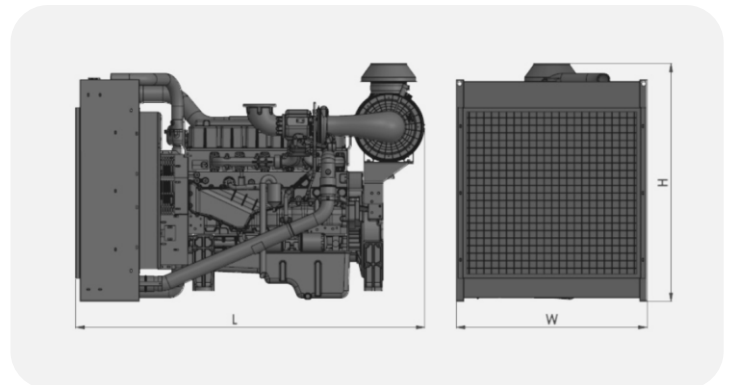
Width (mm)

970

Height (mm)

490

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

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**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