

TECHNICAL DATA

50 Hz

Toyota / IMT
Naturally Aspirated
3
In line
1,500 1/min.
953 cm³
72 mm
78 mm
12:1
93 kg
Electronic
Counter Clockwise

8 kW

dry
39.6 kg/h
480 C°
10 kPa
32 I.D. mm

Electrical
60 Amps
12 Volts
12 Volts
1.3 kW
85 Ah (630 CCA)
Negative

14.7 L
15 L
spin on cartridge

Engine Data

Manufacturer
Aspiration
Cylinder
Cylinder arrangement
Rated Speed
Displacement (cm³)
Bore (mm)
Stroke (mm)
Compression Ratio
Engine weight dry (kg)
Governour Type
Rotation viewed from Flywheel

Power Rating* LPG

Continous Power (COP)

Exhaust System

Exhaust manifold type
Exhaust flow rate at rated kW
Exhaust temperature at rated kW, dry
Maximum allowable back pressure
Exhaust outlet size at exhaust flange

Engine Electrical

Ignition system
Battery charging alternator
System voltage
Starter Motor
Starter Motor
Battery power minimum
Ground

Lubrication System

Oil pan capacity
Oil pan capacity incl. filter
Oil filter

60 Hz

Toyota / IMT
Naturally Aspirated
3
In line
1,800 1/min.
953 cm³
72 mm
78 mm
12:1
93 kg
Electronic
Counter Clockwise

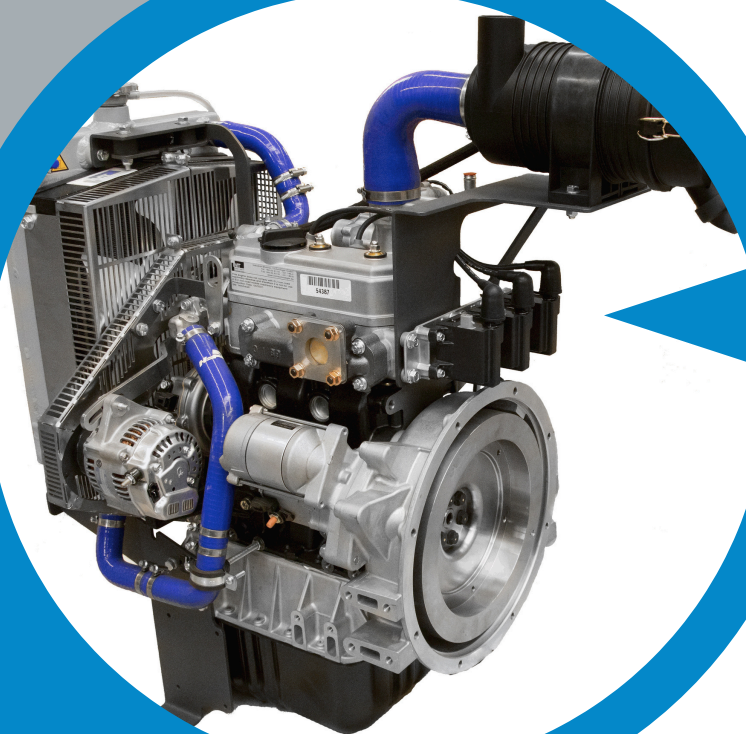
10 kW

dry
50.4 kg/h
510 C°
10 kPa
32 I.D. mm

Electrical
60 Amps
12 Volts
12 Volts
1.3 kW
85 Ah (630 CCA)
Negative

14.7 L
15 L
spin on cartridge

* power rating is based on ISO3046 net power at flywheel with cooling fan or alternator loss.
The preceding values may vary with temperature, pressure, application installation.
All technical data are subject to change due to technical/installation changes.



TECHNICAL DATA

50 Hz

0.6 m³/min
0.71 m³/sec

1:1.28
30 L/min
6 kWh
82 +/- 1.5°C
1.2 L
2.2 L
310 mm
centrifugal

LP Gas or Natural Gas
1/2" G
-5 to 5 mbar

Min. 92 vol %
Max. 4.5 vol %
Min. 1.0 vol %/ Max. 87 vol %
Min. 0.1 vol %/ Max. 5.0 vol %
Min. 0.3 vol %/ Max. 2.5 vol %
Max. 25 ppm mass
Min. 33.2 MJ/m³
Max. 84.2 MJ/m³

2.3 kg/h
1.9 kg/h
1.3 kg/h

2.5 kg/h
2 kg/h
1.4 kg/h

93 MJ/m³

Air Requirements

Combustion air
Radiator cooling air

Cooling system

Engine: Water pump ratio
Water pump flow
Heat rejected to cooling water (dry exhaust)
Thermostat open
Coolant volume engine only
Coolant volume engine + radiator
Fan diameter
Water pump type

Fuel system

Fuel type
Fuel supply line
Fuel supply pressure
Fuel composition limits:
Methane
Ethane
Propane
Propene
C4 and higher
Sulfur
Lower heating value (Min.)
Lower heating value (Max.)

Fuel Consumption

Gas Type: LPG
100%
75%
50%

Gas Type: NG
100%
75%
50%

Nominal fuel rating LP vapor

60 Hz

0.72 m³/min
0.85 m³/sec

1:1.28
35 L/min
8 kWh
82 +/- 1.5°C
1.2 L
2.2 L
310 mm
centrifugal

LP Gas or Natural Gas
1/2" G
-5 to 5 mbar

Min. 92 vol %
Max. 4.5 vol %
Min. 1.0 vol %/ Max. 87 vol %
Min. 0.1 vol %/ Max. 5.0 vol %
Min. 0.3 vol %/ Max. 2.5 vol %
Max. 25 ppm mass
Min. 33.2 MJ/m³
Max. 84.2 MJ/m³

2.3 kg/h
1.9 kg/h
1.3 kg/h

2.5 kg/h
2 kg/h
1.4 kg/h

93 MJ/m³

