

SPECIFICATION

Isuzu Power Solutions.
For those who never stop.



AT A GLANCE

Power Output

- Max. 35.9 kW / 48.1 hp (rated) @ 2600 RPM
- Max. 30.5 kW / 40.9 hp (cont.) @ 2600 RPM

Torque Output ■ Max. 140 Nm @ 1800 RPM

Displacement ■ 2.179 L

Bore x Stroke ■ 85 x 96 mm

O/A Dimensions (engine only)

- 754 mm (L)
- 501 mm (W)
- 602 mm (H)

Dry Weight (engine only) ■ 170 kg

Features

- Naturally aspirated diesel engine
- Mechanical in-direct injection fuel system
- Low noise, low fuel consumption, low maintenance
- Compact and easy to start
- Reliable power
- Water cooled
- Interim Tier-4 emission spec. reference
- Genuine Isuzu engine manufactured in Japan

ENGINE PERFORMANCE

Engine Power	RPM	1000	1200	1400	1600	1800	2000	2200	2400	2600
Rated (kW / hp)		13.0 / 17.4	16.5 / 22.1	20.0 / 26.8	23.3 / 31.2	26.4 / 35.4	29.0 / 38.9	31.0 / 41.6	34.0 / 45.6	35.9 / 48.1
Continuous (kW / hp)		11.1 / 14.8	14.0 / 18.8	17.0 / 22.8	19.8 / 26.6	22.4 / 30.1	24.7 / 33.1	26.4 / 35.3	28.9 / 38.8	30.5 / 40.9

SPECIFICATIONS

ENGINE

Type:	Vertical water-cooled 4-cycle Diesel
Model (Manufacturer):	4LE1-NYBW02 (Isuzu)
Emission Spec. Reference:	Interim Tier-4 / Stage-IIIa
Max. Rated Output:	35.9 kW (48.1 hp) @ 2600 RPM
Continuous Output:	30.5 kW (40.9 hp) @ 2600 RPM
Max. Torque	140 Nm @ 1800 RPM
Displacement:	2.179 L
Combustion System:	In-direct Injection (Naturally Aspirated)
O/A Dimensions:	754 (L) x 501 (W) x 602 mm (H)
Dry Weight:	170 kg
Fuel Consumption:	11.0* L/h @ 100% load

*Based on diesel fuel with a specific gravity of 0.835 kg/m³ at 15°C. Actual value may vary.

POWER UNIT CONFIGURATIONS

- 1. Starter (STR)**
 - Light duty air cleaner system
 - Industrial grade exhaust system
 - Engine mounting feet
 - Heavy duty full aluminium cooling system (max. 45°C)
 - 12V complete electrical system (incl. engine harness and stop solenoid)
- 2. Economy (ECY)** **Features include STR plus:**
 - Medium duty air cleaner system (dual element)
 - Skid rail chassis mounting
 - Mechanical vernier throttle kit
 - IP65 'ECO' engine controller (essential watchdog protection)
 - Engine RPM sender (MPU)
- 3. Premium (PRM)** **Features include ECY plus:**
 - Air cleaner restriction indicator
 - Air cleaner rain/inlet hood
 - Residential grade exhaust system
 - High performance heavy duty cooling system (50°C +)
 - Engine oil pressure and temperature senders
 - IP65 'PRO' engine controller (advanced watchdog protection + application I/O)
 - Remote oil drain kit

KEY BENEFITS

DESIGN

- Australian designed and sourced engine mounts and skid
- Australian designed heavy duty bar and plate all aluminium radiator
- Premium quality air cleaners
- Complete electrical engine harness (includes engine stop solenoid, glow plug assisted start, fuel feed pump)

CONTROL PANEL

- DeepSea 'ECO' economy engine controller (provides essential engine monitoring protection)
- ComAp 'PRO' professional engine controller (advanced engine monitoring protection, plus customer application inputs/outputs, complete event history log, large easy to read display)



DeepSea 'ECO' Controller



ComAp 'PRO' Controller

OPTIONS

- Metal air cleaner system
- Heat exchanged cooling package
- Premium pump pressure transducer range
- Extension skid for mounting of auxiliary items
- Flywheel stub shafts
- Auxiliary PTO crankshaft pulley
- 4G remote monitoring and control kit
- Low coolant alarm protection kit
- 160W solar battery charging kit
- Engine RPM regulation
- Pump pressure regulation
- Extension harnesses
- Electronic throttle actuator system
- Coolant surge tank kit
- Vibration isolation mounts



Transducer option



Heat Exchanger option



Clutch option