

FORWARD ENGINE

FORWARD 4JB1 series Diesel engine - industrial

41-62kW/3000rpm

FORWARD 4JB1 series industrial engine adopts modern engineering technology. Water-cooled 4-cylinder engine designed to meet reliable and cost-effective needs of various types of industrial equipment like fire-fighting pump, air compressor and others.

Reliability

Developed by modern engineering technology & facility
Professional processing control & testing procedure
Maximum ambient temperature is 55°C
Overhaul life is more than 10,000 hours

Performance

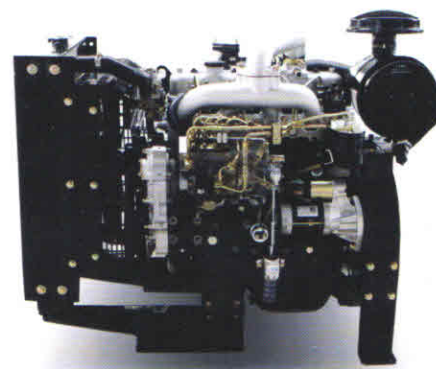
Suitable for high-pressure equipment due to high speed
Variable speed to suit different types of industrial purpose
Strong power output with excellent fuel consumption
Very compact structure to best benefit from shipment
Innovational improvement for low noise & low vibration

User-friendly

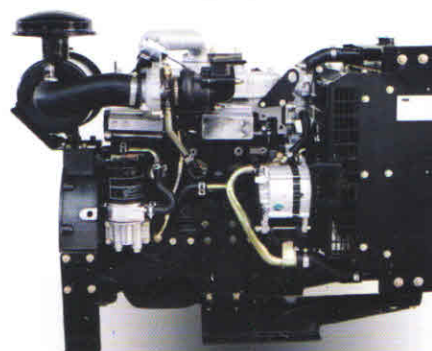
Special engine design for easy operation & maintenance
Easy availability of spare parts & low maintenance cost
Convenient operation & adjustment by software



For air compressor, VE fuel pump enables excellent performance at high speed



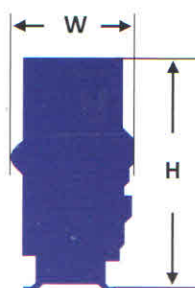
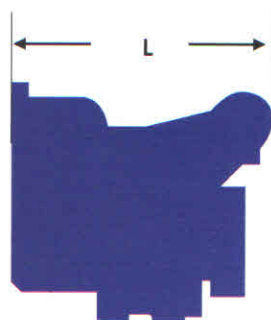
For fire-fighting pump, inline fuel pump perform well at reasonable cost



Above images are for presentation only.
Radiator is loose & in separate wooden case during transportation, steel frame is excluded but available for optional.

FORWARD ENGINE

| Item | 4JB1-P | 4JB1T-P | 4JB1-C | 4JB1T-C |
|--------------------------|---|---------|---------------------|---------|
| Configuration | Vertical in-line, 4-cylinder, water cooled, diesel engine | | | |
| Rated speed - rpm | 3000 | | 3000 | |
| Rated power - kW | 41 | 62 | 41 | 62 |
| Bore x stroke - mm | 93 x 102 | | 93 x 102 | |
| Displacement - L | 2.771 | | 2.771 | |
| Max. ambient temperature | 55°C | | 55°C | |
| Flywheel housing | S.A.E. 3# | | S.A.E. 3# | |
| Flywheel - S.A.E. | 11.5" | | 11.5" | |
| Fuel injection system | Direct injection | | Direct injection | |
| Fuel injection pump | In-line pump | | VE rotary pump | |
| Governor type | Mechanical governor | | Mechanical governor | |
| Rotation of crankshaft | Counter-clockwise - viewed from flywheel | | | |
| Aspiration | Natural | Turbo | Natural | Turbo |



| Dimension | 4JB1-P/4JB1-C | 4JB1T-P/4JB1T-C |
|-----------------|---------------|-----------------|
| Length - mm | 1050 | 1050 |
| Width - mm | 620 | 592 |
| Height - mm | 770 | 770 |
| Dry weight - kg | 250 | 266 |

| Fuel consumption - g/kW.h | 4JB1-P/4JB1-C | 4JB1T-P/4JB1T-C |
|---------------------------|---------------|-----------------|
| Engine speed - rpm | 3000 | 3000 |
| Rated power | 243 | 245 |

The above ratings indicate the engine performance according to the terms and conditions specified in ISO8528/1, ISO3046/1:1986