

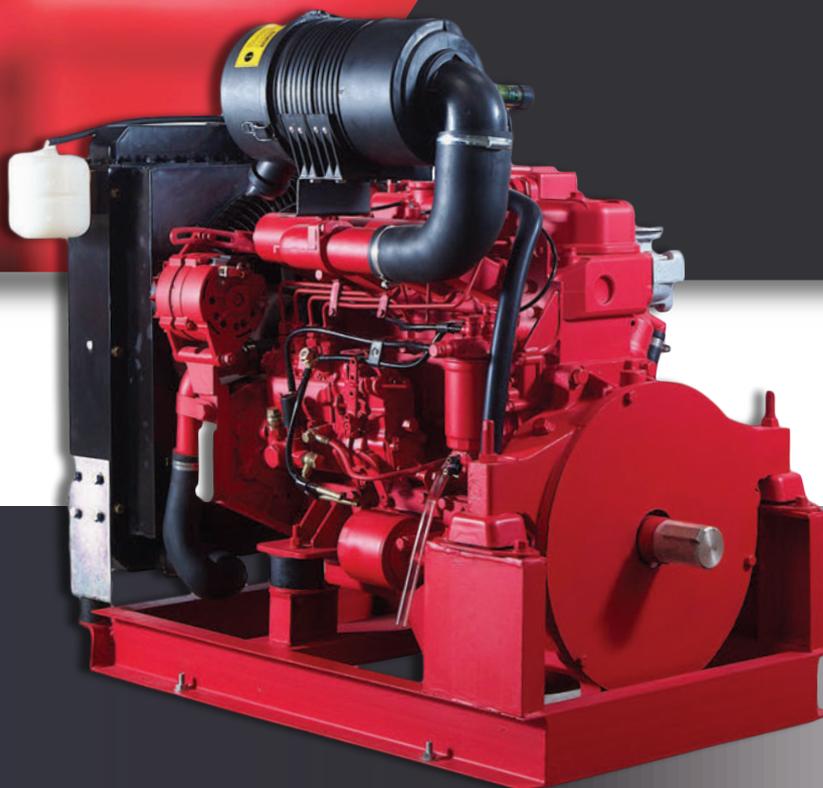


FIREDRIVER[®]

**FIRE PUMP
APPLICATION**

FD - RW

**DIESEL ENGINE
CATALOGUE**



FIRE DRIVER

DRIVEN BY THE FIRE TO DRIVE OUT THE FIRE

Fire Driver® diesel engines are specifically designed for fire pump applications. The state of the art technology used throughout the design and manufacturing ensures the reliable operation of these engines as demanded by the fire fighting systems.

These engines have improved performance and combustion efficiency. The characteristics such as high torque and heavy duty construction makes these engines a right choice for fire fighting applications. FD-RW series comprises of 3, 4, 6 & 12 cylinder 4 stroke compression ignition type engines.

FireDriver has a long standing experience of producing firefighting engines that has made us a leading brand globally. Its a symbol for producing efficient, reliable, high performance, cost effective and premium quality internal combustion engines with a wide range of power.



ENGINE MODELS

FD-RW Series



● FD-RW-3N-23	23 HP	2950 RPM
● FD-RW-4N-36	36 HP	2950 RPM
● FD-RW-4N-50	50 HP	2950 RPM
● FD-RW-4N-75	75 HP	2950 RPM
● FD-RW-4T-102	102 HP	2950 RPM
● FD-RW-6T-137	137 HP	2900 RPM
● FD-RW-6AT-174	174 HP	2900 RPM
● FD-RW-6AT-200	200 HP	2900 RPM
● FD-RW-6AT-221	221 HP	2950 RPM
● FD-RW-6AT-239	239 HP	2950 RPM



Engine Cylinder Block assembly:

Engine block is an integral casting of crank shaft case and cylinders, in which full-support main bearings are used, and it is made of alloy Cast Iron. Wall Cylinder liners are made of boron phosphorous cast iron.

Crank shaft and fly wheel assembly:

Crank shaft is made of high strength nodular cast iron or alloy steel with four balance weights on web. Fly wheel is fitted on the rear end of the crank shaft with bolts. Crank shaft, flywheel and damper are balanced for smooth operation.

Piston connecting rod assembly:

The top piston is designed to facilitate thermal flow; its skirt is of variable oval barrel surface and with slipper ends. Piston is fitted with top and bottom face chrome-coated oil ring and coiled spring expander. Connecting rods are made of forged steel with numbering on its caps and bodies .

Air Filter:

The air cleaner is of cyclone dust collecting paper element type.

Lubrication system:

Lubrication system consists of oil pump, oil filter, oil cooler, pressure control valve and pipe line. Oil pump is gear type and is driven by the gear of the cam shaft.

Cooling system:

The cooling system is close forced circulation water cooling type.

Cooling water pump is of centrifugal type. Radiator is of vertical flow type and is fitted with blower fan.

Fuel Supply System:

The fuel supply system consists of fuel supply pump, fuel injection pump, speed governor, fuel injection auto advancer, fuel filter, fuel injector and high & low pressure line. Fuel supply pump is of piston type and is driven by eccentric cam on the cam shaft.

Electric System:

Electrical system includes electrical starter motor and starter solenoids. The starter and generator of these diesel engines are 12V or 24V. There is a vacuum pump mounted behind the generator and the shaft of vacuum pump is aligned with the shaft of generator.

Exhaust System:

The exhaust system consists of 90° Bend, exhaust silencer and flexible exhaust connector.

STANDARD EQUIPMENT

- Dry Type Air Cleaner
- Full Flow Dual Filters
- Full Flow Lube Oil Filters
- Fuel Lift Pump
- Cooling Water Pump
- Lubricating Oil Pump
- Stop Lever
- Alternator
- Flywheel Housing
- Flywheel
- Fire Resistant Fuel Pipes
- Fuel Injection System
- Thermostat
- Exhaust Manifold

FIRE DRIVER DIESEL ENGINE SPECIFICATIONS

MODEL : FD-RW-3N-23

Power Rating : 23 Hp Speed : 2950 RPM Net Weight : 230 Kg Noise : ≤ 102 dB



● Type	Direct Injection, Vertical, In Line, 4 stroke
● Fuel Injection Type	Long Multi Hole Nozzle
● Total Air Ventilation (Breathing Requirement)	0.41m ³ /min
● Cooling Method	Forced Closed Circulation Water Cooling
● Radiator Size	7.96m ²
● No of Cylinders	3
● Bore & Stroke	80 x 90 mm
● Displacement	1.357L
● Torque @ 2950 rpm	≥ 55 N.m
● Fuel Rate Consumption @ Full Load	≤ 5 L/h
● Method of Starting	Starter Motor - Electric
● Starter Motor Power Rating & Voltage	3kw / 12v
● System Voltage	12v DC
● Normal Operation Hours	12 Hours (Max 24 Hrs)
● Alternator Power & Voltage	500w / 14v
● Max Allowable Back Pressure	5kPa
● Exhaust Gas Flow	0.62m ³ /min FSN @ Full Load
● Maximum Exhaust Gas Temperature	≤ 390° C
● Exhaust Muffler Material Grade	Mid-Steel
● Exhaust Protection	Mesh Mid-Steel
● Exhaust Flex Connection Material Grade	Stainless Steel
● Engine Coolant Type & Temperature	Coolant or Water & ≤ 95° C
● Lubrication Method	Pressure lubricating & Splashing
● Oil Capacity	4.5 Liters
● Oil Filter - Lubrication Oil Type	Cartridge & Spin on
● Lubricating Oil Type	SAE 15W-40
● Air Cleaner Type	Paper Element
● Fuel Filter Type	Cartridge & Spin on
● Governor Type	Mechanical

FIRE DRIVER DIESEL ENGINE SPECIFICATIONS

MODEL : FD-RW-4N-36

Power Rating : 36 Hp Speed : 2950 RPM Net Weight : 250 Kg Noise : ≤ 102 dB



● Type	Direct Injection, Vertical, In Line, 4 stroke
● Fuel Injection Type	Long Multi Hole Nozzle
● Total Air Ventilation (Breathing Requirement)	0.55m ³ /min
● Cooling Method	Forced Closed Circulation Water Cooling
● Radiator Size	7.96m ²
● No of Cylinders	4
● Bore & Stroke	80 x 90 mm
● Displacement	1.809L
● Torque @ 2950 rpm	≥ 85 N.m
● Fuel Rate Consumption @ Full Load	≤ 6.6 L/h
● Method of Starting	Starter Motor - Electric
● Starter Motor Power Rating & Voltage	3kw / 12v
● System Voltage	12v DC
● Normal Operation Hours	12 Hours (Max 24 Hrs)
● Alternator Power & Voltage	500w / 14v
● Max Allowable Back Pressure	5kPa
● Exhaust Gas Flow	0.83m ³ /min FSN @ Full Load
● Maximum Exhaust Gas Temperature	≤ 400° C
● Exhaust Muffler Material Grade	Mid-Steel
● Exhaust Protection	Mesh Mid-Steel
● Exhaust Flex Connection Material Grade	Stainless Steel
● Engine Coolant Type & Temperature	Coolant or Water & ≤ 95° C
● Lubrication Method	Pressure lubricating & Splashing
● Oil Capacity	6 Liters
● Oil Filter - Lubrication Oil Type	Cartridge & Spin on
● Lubricating Oil Type	SAE 15W-40
● Air Cleaner Type	Paper Element
● Fuel Filter Type	Cartridge & Spin on
● Governor Type	Mechanical



FIRE DRIVER

FIRE DRIVER

FIRE DRIVER DIESEL ENGINE SPECIFICATIONS MODEL : FD-RW-4N-50

Power Rating : 50 Hp Speed : 2950 RPM Net Weight : 320 Kg Noise : ≤ 108 dB



● Type	Direct Injection, Vertical, In Line, 4 stroke
● Fuel Injection Type	Long Multi Hole Nozzle
● Total Air Ventilation (Breathing Requirement)	0.805m ³ /min
● Cooling Method	Forced Closed Circulation Water Cooling
● Radiator Size	11.35m ²
● No of Cylinders	4
● Bore & Stroke	90 x 105 mm
● Displacement	2.67L
● Torque @ 2950 rpm	≥ 121 N.m
● Fuel Rate Consumption @ Full Load	≤ 9.73 L/h
● Method of Starting	Starter Motor - Electric
● Starter Motor Power Rating & Voltage	3.7kw / 12v
● System Voltage	12v DC
● Normal Operation Hours	12 Hours (Max 24 Hrs)
● Alternator Power & Voltage	500w / 14v
● Max Allowable Back Pressure	5kPa
● Exhaust Gas Flow	1.081m ³ /min FSN @ Full Load
● Maximum Exhaust Gas Temperature	≤ 420° C
● Exhaust Muffler Material Grade	Mid-Steel
● Exhaust Protection	Mesh Mid-Steel
● Exhaust Flex Connection Material Grade	Stainless Steel
● Engine Coolant Type & Temperature	Coolant or Water & ≤ 95° C
● Lubrication Method	Pressure lubricating & Splashing
● Oil Capacity	7 Liters
● Oil Filter - Lubrication Oil Type	Cartridge & Spin on
● Lubricating Oil Type	SAE 15W-40
● Air Cleaner Type	Paper Element
● Fuel Filter Type	Cartridge & Spin on
● Governor Type	Mechanical

FIRE DRIVER DIESEL ENGINE SPECIFICATIONS

MODEL : FD-RW-4N-75

Power Rating : 75 Hp Speed : 2950 RPM Net Weight : 450 Kg Noise : ≤ 110 dB



● Type	Direct Injection, Vertical, In Line, 4 stroke
● Fuel Injection Type	Long Multi Hole Nozzle
● Total Air Ventilation (Breathing Requirement)	1.23m ³ /min
● Cooling Method	Forced Closed Circulation Water Cooling
● Radiator Size	16.13m ²
● No of Cylinders	4
● Bore & Stroke	108 x 118 mm
● Displacement	4.322L
● Torque @ 2950 rpm	≥ 178 N.m
● Fuel Rate Consumption @ Full Load	≤ 14.88 L/h
● Method of Starting	Starter Motor - Electric
● Starter Motor Power Rating & Voltage	3.8 kw / 12v
● System Voltage	12v DC
● Normal Operation Hours	12 Hours (Max 24 Hrs)
● Alternator Power & Voltage	750w / 14v
● Max Allowable Back Pressure	5kPa
● Exhaust Gas Flow	1.65m ³ /min FSN @ Full Load
● Maximum Exhaust Gas Temperature	≤ 450° C
● Exhaust Muffler Material Grade	Mid-Steel
● Exhaust Protection	Mesh Mid-Steel
● Exhaust Flex Connection Material Grade	Stainless Steel
● Engine Coolant Type & Temperature	Coolant or Water & ≤ 95° C
● Lubrication Method	Pressure lubricating & Splashing
● Oil Capacity	11 Liters
● Oil Filter - Lubrication Oil Type	Cartridge & Spin on
● Lubricating Oil Type	SAE 15W-40
● Air Cleaner Type	Paper Element
● Fuel Filter Type	Cartridge & Spin on
● Governor Type	Mechanical

FIRE DRIVER

FIRE DRIVER DIESEL ENGINE SPECIFICATIONS

MODEL : FD-RW-4T-102

Power Rating : 102 Hp Speed : 2950 RPM Net Weight : 470 Kg Noise : ≤ 112 dB



● Type	Direct Injection, Vertical, In Line, 4 stroke
● Fuel Injection Type	Long Multi Hole Nozzle
● Total Air Ventilation (Breathing Requirement)	1.61m ³ /min
● Cooling Method	Forced Closed Circulation Water Cooling
● Radiator Size	25.2m ²
● No of Cylinders	4
● Bore & Stroke	105 x 118 mm
● Displacement	4.085L
● Torque @ 2950 rpm	≥ 247 N.m
● Fuel Rate Consumption @ Full Load	≤ 17.64 L/h
● Method of Starting	Starter Motor - Electric
● Starter Motor Power Rating & Voltage	3.8kw / 12v
● System Voltage	12v DC
● Normal Operation Hours	12 Hours (Max 24 Hrs)
● Alternator Power & Voltage	750w / 14v
● Max Allowable Back Pressure	5kPa
● Exhaust Gas Flow	1.96m ³ /min FSN @ Full Load
● Maximum Exhaust Gas Temperature	≤ 480° C
● Exhaust Muffler Material Grade	Mid-Steel
● Exhaust Protection	Mesh Mid-Steel
● Exhaust Flex Connection Material Grade	Stainless Steel
● Engine Coolant Type & Temperature	Coolant or Water & ≤ 95° C
● Lubrication Method	Pressure lubricating & Splashing
● Oil Capacity	11 Liters
● Oil Filter - Lubrication Oil Type	Cartridge & Spin on
● Lubricating Oil Type	SAE 15W-40
● Air Cleaner Type	Paper Element
● Fuel Filter Type	Cartridge & Spin on
● Governor Type	Mechanical

FIRE DRIVER DIESEL ENGINE SPECIFICATIONS

MODEL : FD-RW-6T-137

Power Rating : 137 Hp Speed : 2900 RPM Net Weight : 750 Kg Noise : ≤ 110 dB



● Type	Direct Injection, Vertical, In Line, 4 stroke
● Fuel Injection Type	Long Multi Hole Nozzle
● Total Air Ventilation (Breathing Requirement)	8.5 m ³ /min
● Cooling Method	Forced Closed Circulation Water Cooling
● Radiator Size	20 m ²
● No of Cylinders	6
● Bore & Stroke	108 x 125 mm
● Displacement	6.8L
● Torque @ 2900 rpm	≥ 329 N.m
● Fuel Rate Consumption @ Full Load	≤ 30 L/h
● Method of Starting	Starter Motor - Electric
● Starter Motor Power Rating & Voltage	8.5kw / 24v
● System Voltage	24v DC
● Normal Operation Hours	12 Hours (Max 24 Hrs)
● Alternator Power & Voltage	750w / 28v
● Max Allowable Back Pressure	10.2 kPa
● Exhaust Gas Flow	9.9m ³ /min FSN @ Full Load
● Maximum Exhaust Gas Temperature	≤ 650° C
● Exhaust Muffler Material Grade	Cold Rolled Plate
● Exhaust Protection	None
● Exhaust Flex Connection Material Grade	Steel
● Engine Coolant Type & Temperature	Coolant or Water & ≤ 95° C
● Lubrication Method	Pressure lubricating & Splashing
● Oil Capacity	14 - 17 Liters
● Oil Filter - Lubrication Oil Type	Cartridge & Spin on
● Lubricating Oil Type	SAE 15W-40
● Air Cleaner Type	Paper Element
● Fuel Filter Type	Cartridge & Spin on
● Governor Type	Mechanical



FIRE DRIVER

FIRE DRIVER

FIRE DRIVER DIESEL ENGINE SPECIFICATIONS MODEL : FD-RW-6AT-174

Power Rating : 174 Hp Speed : 2900 RPM Net Weight : 750 Kg Noise : ≤ 110 dB



● Type	Direct Injection, Vertical, In Line, 4 stroke
● Fuel Injection Type	Long Multi Hole Nozzle
● Total Air Ventilation (Breathing Requirement)	8.5 m ³ /min
● Cooling Method	Forced Closed Circulation Water Cooling
● Radiator Size	20 m ²
● No of Cylinders	6
● Bore & Stroke	108 x 125 mm
● Displacement	6.8L
● Torque @ 2900 rpm	≥ 410 N.m
● Fuel Rate Consumption @ Full Load	≤ 35 L/h
● Method of Starting	Starter Motor - Electric
● Starter Motor Power Rating & Voltage	8.5kw / 24v
● System Voltage	24v DC
● Normal Operation Hours	12 Hours (Max 24 Hrs)
● Alternator Power & Voltage	750w / 28v
● Max Allowable Back Pressure	10.2 kPa
● Exhaust Gas Flow	9.9m ³ /min FSN @ Full Load
● Maximum Exhaust Gas Temperature	≤ 650° C
● Exhaust Muffler Material Grade	Cold Rolled Plate
● Exhaust Protection	None
● Exhaust Flex Connection Material Grade	Steel
● Engine Coolant Type & Temperature	Coolant or Water & ≤ 95° C
● Lubrication Method	Pressure lubricating & Splashing
● Oil Capacity	14 - 17 Liters
● Oil Filter - Lubrication Oil Type	Cartridge & Spin on
● Lubricating Oil Type	SAE 15W-40
● Air Cleaner Type	Paper Element
● Fuel Filter Type	Cartridge & Spin on
● Governor Type	Mechanical

FIRE DRIVER DIESEL ENGINE SPECIFICATIONS

MODEL : FD-RW-6AT-200

Power Rating : 200 Hp Speed : 2900 RPM Net Weight : 750 Kg Noise : ≤ 110 dB



● Type	Direct Injection, Vertical, In Line, 4 stroke
● Fuel Injection Type	Long Multi Hole Nozzle
● Total Air Ventilation (Breathing Requirement)	8.5 m ³ /min
● Cooling Method	Forced Closed Circulation Water Cooling
● Radiator Size	20 m ²
● No of Cylinders	6
● Bore & Stroke	108 x 125 mm
● Displacement	6.8L
● Torque @ 2900 rpm	≥ 478 N.m
● Fuel Rate Consumption @ Full Load	≤ 45 L/h
● Method of Starting	Starter Motor - Electric
● Starter Motor Power Rating & Voltage	8.5kw / 24v
● System Voltage	24v DC
● Normal Operation Hours	12 Hours (Max 24 Hrs)
● Alternator Power & Voltage	750w / 28v
● Max Allowable Back Pressure	10.2 kPa
● Exhaust Gas Flow	9.9m ³ /min FSN @ Full Load
● Maximum Exhaust Gas Temperature	≤ 650° C
● Exhaust Muffler Material Grade	Cold Rolled Plate
● Exhaust Protection	None
● Exhaust Flex Connection Material Grade	Steel
● Engine Coolant Type & Temperature	Coolant or Water & ≤ 95° C
● Lubrication Method	Pressure lubricating & Splashing
● Oil Capacity	14 - 17 Liters
● Oil Filter - Lubrication Oil Type	Cartridge & Spin on
● Lubricating Oil Type	SAE 15W-40
● Air Cleaner Type	Paper Element
● Fuel Filter Type	Cartridge & Spin on
● Governor Type	Mechanical



FIRE DRIVER DIESEL ENGINE SPECIFICATIONS

MODEL : FD-RW-6AT-221

Power Rating : 221 Hp Speed : 2950 RPM Net Weight : 1380 Kg Noise : ≤ 116 dB



● Type	Direct Injection, Vertical, In Line, 4 stroke
● Fuel Injection Type	Long Multi Hole Nozzle
● Total Air Ventilation (Breathing Requirement)	3.58m ³ /min
● Cooling Method	Forced Closed Circulation Water Cooling
● Radiator Size	50.58m ²
● No of Cylinders	6
● Bore & Stroke	120 x 130 mm
● Displacement	8.82L
● Torque @ 2950 rpm	≥ 534 N.m
● Fuel Rate Consumption @ Full Load	≤ 39.2 L/h
● Method of Starting	Starter Motor - Electric
● Starter Motor Power Rating & Voltage	7.5kw / 24v
● System Voltage	24v DC
● Normal Operation Hours	12 Hours (Max 24 Hrs)
● Alternator Power & Voltage	1000w / 28v
● Max Allowable Back Pressure	5kPa
● Exhaust Gas Flow	4.37m ³ /min FSN @ Full Load
● Maximum Exhaust Gas Temperature	≤ 520° C
● Exhaust Muffler Material Grade	Mid-Steel
● Exhaust Protection	Mesh Mid-Steel
● Exhaust Flex Connection Material Grade	Stainless Steel
● Engine Coolant Type & Temperature	Coolant or Water & ≤ 95° C
● Lubrication Method	Pressure lubricating & Splashing
● Oil Capacity	24 Liters
● Oil Filter - Lubrication Oil Type	Cartridge & Spin on
● Lubricating Oil Type	SAE 15W-40
● Air Cleaner Type	Paper Element
● Fuel Filter Type	Cartridge & Spin on
● Governor Type	Mechanical

FIRE DRIVER DIESEL ENGINE SPECIFICATIONS

MODEL : FD-RW-6AT-239

Power Rating : 239 Hp Speed : 2950 RPM Net Weight : 1380 Kg Noise : ≤ 116 dB



● Type	Direct Injection, Vertical, In Line, 4 stroke
● Fuel Injection Type	Long Multi Hole Nozzle
● Total Air Ventilation (Breathing Requirement)	3.58m ³ /min
● Cooling Method	Forced Closed Circulation Water Cooling
● Radiator Size	50.58m ²
● No of Cylinders	6
● Bore & Stroke	120 x 130 mm
● Displacement	8.82L
● Torque @ 2950 rpm	≥ 552 N.m
● Fuel Rate Consumption @ Full Load	≤ 39.2 L/h
● Method of Starting	Starter Motor - Electric
● Starter Motor Power Rating & Voltage	7.5kw / 24v
● System Voltage	24v DC
● Normal Operation Hours	12 Hours (Max 24 Hrs)
● Alternator Power & Voltage	1000w / 28v
● Max Allowable Back Pressure	5kPa
● Exhaust Gas Flow	4.37m ³ /min FSN @ Full Load
● Maximum Exhaust Gas Temperature	≤ 520° C
● Exhaust Muffler Material Grade	Mid-Steel
● Exhaust Protection	Mesh Mid-Steel
● Exhaust Flex Connection Material Grade	Stainless Steel
● Engine Coolant Type & Temperature	Coolant or Water & ≤ 95° C
● Lubrication Method	Pressure lubricating & Splashing
● Oil Capacity	24 Liters
● Oil Filter - Lubrication Oil Type	Cartridge & Spin on
● Lubricating Oil Type	SAE 15W-40
● Air Cleaner Type	Paper Element
● Fuel Filter Type	Cartridge & Spin on
● Governor Type	Mechanical



FIRE DRIVER

FD-AR SERIES

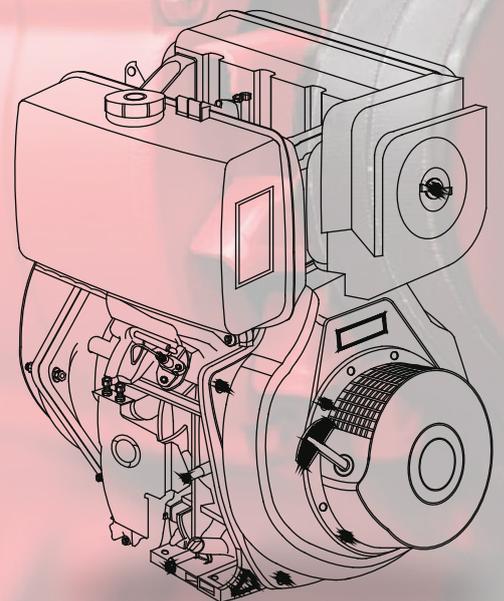
These air-cooled direct injection diesel engines are smaller in volume, lighter in weight and lower in fuel consumption. The improved cooling and combustion properties results in the highly efficient performance of this engine. FD-AR series comprises of single cylinder 4 stroke air cooled diesel engines. These engines are subjected to rigorous performance tests prior to the dispatch to ensure that the performance ratings are achieved as required by the design specifications.



D R I V E N B Y T H E F I R E T O D R I V E O U T T H E F I R E

DESIGN FEATURES

- Conical or Cylindrical Power Take Off on Crankshaft
- Direct injection on Piston
- Gear Pump Forced Lubrication
- Extra Fuel Starting Device
- Centrifugal Governor
- Torque Regulator
- Aluminum Alloy Crankcase
- Cast Iron Flywheel
- Re-Borable Cylinder
- Aluminum Alloy Cylinder Head
- Super Small Fuel Injection System
- Light Weight Construction



RATINGS & TECHNICAL DETAILS

FIRE DRIVER DIESEL ENGINE SPECIFICATIONS

MODEL : FD-AR 304

Power Rating : 4 kW

Speed : 3000 RPM

Net Weight : 33 Kg



Type	Single Cylinder - Vertical 4 Stroke
Combustion System	Direct Injection
Bore & Stroke (mm)	78 x 62
Displacement (cc)	296
Mean Speed of Piston (mm/sec)	6.2
Mean Effective Pressure (kPa)	540.5
Fuel Rate Consumption (g/kWh)	280.3
Oil Rate Consumption (g/kWh)	4.08
Starting System	Electric Start and Recoil Manual
Direction of Revolution	Clockwise from Flywheel End
Fuel Tank Capacity (Ltrs)	3.5
Lube Oil Capacity full (Ltrs)	1.1
Cooling Type	Forced Air Cooled System
Lubrication Type	Pressure Splash
Electric System	12v - 24AH

FIRE DRIVER DIESEL ENGINE SPECIFICATIONS

MODEL : FD-AR 304 (s)

Power Rating : 4.41 kW

Speed : 3600 RPM

Net Weight : 33 Kg



Type	Single Cylinder - Vertical 4 Stroke
Combustion System	Direct Injection
Bore & Stroke (mm)	78 x 62
Displacement (cc)	296
Mean Speed of Piston (mm/sec)	7.44
Mean Effective Pressure (kPa)	496.6
Fuel Rate Consumption (g/kWh)	292.5
Oil Rate Consumption (g/kWh)	4.08
Starting System	Electric Start and Recoil Manual
Direction of Revolution	Clockwise from Flywheel End
Fuel Tank Capacity (Ltrs)	3.5
Lube Oil Capacity full (Ltrs)	1.1
Cooling Type	Forced Air Cooled System
Lubrication Type	Pressure Splash
Electric System	12v - 24AH

FIRE DRIVER DIESEL ENGINE SPECIFICATIONS

MODEL : FD-AR 366

Power Rating : 5.68 kW

Speed : 3000 RPM

Net Weight : 48 Kg



Type	Single Cylinder - Vertical 4 Stroke
Combustion System	Direct Injection
Bore & Stroke (mm)	84 x 70
Displacement (cc)	406
Mean Speed of Piston (mm/sec)	7.0
Mean Effective Pressure (kPa)	561.6
Fuel Rate Consumption (g/kWh)	273.5
Oil Rate Consumption (g/kWh)	4.08
Starting System	Electric Start and Recoil Manual
Direction of Revolution	Clockwise from Flywheel End
Fuel Tank Capacity (Ltrs)	5.5
Lube Oil Capacity full (Ltrs)	1.65
Cooling Type	Forced Air Cooled System
Lubrication Type	Pressure Splash
Electric System	12v - 35AH

FIRE DRIVER DIESEL ENGINE SPECIFICATIONS

MODEL : FD-AR 366 (s)

Power Rating : 6.62 kW

Speed : 3600 RPM

Net Weight : 48 Kg



Type	Single Cylinder - Vertical 4 Stroke
Combustion System	Direct Injection
Bore & Stroke (mm)	84 x 70
Displacement (cc)	406
Mean Speed of Piston (mm/sec)	8.4
Mean Effective Pressure (kPa)	543.5
Fuel Rate Consumption (g/kWh)	285.7
Oil Rate Consumption (g/kWh)	4.08
Starting System	Electric Start and Recoil Manual
Direction of Revolution	Clockwise from Flywheel End
Fuel Tank Capacity (Ltrs)	5.5
Lube Oil Capacity full (Ltrs)	1.65
Cooling Type	Forced Air Cooled System
Lubrication Type	Pressure Splash
Electric System	12v - 35AH



FIRE DRIVER

DRIVEN BY THE FIRE TO DRIVE OUT THE FIRE



Fire Driver is a registered trade mark of
National Fire Fighting Manufacturing FZCO.

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We reserve the right to modify specifications without prior notice

CAT:NO: NF/FDRW-STD/09/22