OKOODEC

DIESEL ENGINE

Model: 4KDP-45

Engine Specifications

In-Line, 4 stroke, water-cooled, Natural Aspiration

Combustion type Cylinders - Bore × stroke Displacement Firing order Compression ratio Dry weight Dimension(LxWxH) Rotation Flywheel / Housing

Cooling System

Cooling method Water pump

Max. water Temp Cooling Fan Fresh water forced type Centrifugal, Belt driven

Direct injection

4 - 90 ×105 mm

2672 cc

18:1

1 - 3 - 4 - 2

Approx. 250 kg

Anti-clockwise

SAE # 7.5 / # 4

800 × 636 × 765 mm

95 degree C. Blade 7EA - Ø 410 mm

Intake & Exhaust System

Max air restriction Exhaust back Clean 2 kPa / Dirty 5 kPa Max 6 kPa

Electric System

Charging generator Starting motor Battery 13.5 V × 36 A

12 V × 3.7 kW

12 Vx 120 Ah

KDP SERIES FOR FIRE PUMP

Prime power Standby Power

45.0KW(60HP)/3000 rpm 49.5KW(66HP)/3000 rpm

Multi-hole type/ 0.255 mm

Direct Injection type

Mechanicaltype

Mechanicaltype

Single Stage, Paper

20+0.5MPa

Fuel System
Injection pump
Governor
Feed pump
Injection nozzle
Opening pressure
Fuel filter

Fuel Consumption

Prime power at 3000rpm11.1 liters/hStandby Power at 3000rpm12.2 liters/h

Lubrication System

Lub. Oil Pan Capacity	6.5 liters
Max. allowable Oil Temp	110 degree C.
	Min. 294 kPa
Oil pressure	Max. 490 kPa

Engineering Data Combustion Air Exhaust Gas

1.92m3/min 4.79m3/min

Conversion Table

PS = kW × 1.3596 in. = mm × 0.0394 psi = kg/cm2 × 14.2233 HP= PS x 0.98635

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