

PRODUCT SPECIFICATIONS FOR 3412C



Maximum Power	551 kW
Rated Speed	1750-2100 rpm
Minimum Power	476 kW
Emissions	Non-Certified. Available for global non-regulated areas. Not FM Approved, Not UL Listed
Engine Configuration	V-12, 4-Stroke-Cycle Diesel
Bore	137 mm
Stroke	152 mm
Displacement	27 l
Compression Ratio	14.5:1
Aspiration	Turbocharged Aftercooled (TA)
Rotation from Flywheel End	Counterclockwise
Aftertreatment	-
Length	2000 mm
Height	1413 mm
Weight - Net Dry - Basic Operating Engine Without Optional Attachments	2579 kg

3412C STANDARD EQUIPMENT

AIR INLET SYSTEM

Air cleaner, regular duty with service indicators

Turbocharged

COOLING SYSTEM

Thermostats and housing

Jacket water pump, centrifugal

Heat exchanger installed

Expansion tank

CONTROL SYSTEM

Charging alternator 24 volt, 35 amp

Governor control

Hydra-mechanical governor

EXHAUST SYSTEM

Exhaust manifold

Exhaust elbow, dry. 203 mm (8 in) on all Turbocharged engines and Turbocharged Aftercooled with wet exhaust. 152 mm (6 in) on Turbocharged Aftercooled with dry manifolds.

FLYWHEELS & FLYWHEEL HOUSINGS

SAE No. 0 flywheel

SAE No. 0 flywheel housing

SAE standard rotation

FUEL SYSTEM

Fuel filter

Fuel transfer pump

Primary fuel filter

Fuel priming pump

INSTRUMENTATION

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Instrument panel, LH
Engine oil pressure gauge
Fuel pressure gauge
Water temperature gauge
Tachometer

LUBE SYSTEM

Crankcase breather, top mounted
Oil cooler
Oil filler in valve cover and dipstick, both RH
Lube oil filter
Rear sump oil pan

MOUNTING SYSTEM

Supports

POWER TAKE OFF

Power take-off (PTO) flywheel stub shaft

PROTECTION SYSTEM

Stop-Start System, automatic (compatible with NFPA 20 requirements, able to be energized from either of two battery sources and capable of manual starter actuation)

STARTING SYSTEM

24 volt, LH electric starting motor
Jacket water heater (6 kW, 240-480 volt)

GENERAL

Paint: Firepump Red
Vibration damper and guard
Lifting eyes

