

PRODUCT SPECIFICATIONS FOR M 43 C

Power Range	6000 - 9450 kW
Speed Range	500-514 rpm
Emissions	IMO II
Aspiration	Turbocharged
Bore	16.93 in
Stroke	24.02 in
Rotation from Flywheel End	Counterclockwise / Clockwise
Configuration	6,7,8,9 Cylinder
Swept Volume	5406.7 in ³
Minimum Dry Weight	200620.7 lb
Minimum Length	325.6 in
Maximum Length	414.5 in
Minimum Height	202 in
Maximum Height	216.6 in
Minimum Width	113.3 in
Maximum Width	113.3 in

M 43 C STANDARD EQUIPMENT

AIR INLET SYSTEM

Air intake silencer / filter

CONTROL SYSTEM

Load sharing unit (for multiple engine plant only)

Protection panel (emergency stop, override, reset push buttons)

Protection system

Serial link interface (MODbus / canbus)

Speed governor

Start / stop panel

COOLING SYSTEM

Electronic cooling water preheater

HT cooling water pump (engine driven)

2-stage charge air cooler

EXHAUST SYSTEM

Exhaust gas expansion joint

Exhaust gas insulated manifolds

Turbocharger at flywheel end

FUEL SYSTEM

Fuel circulating pump (electric driven / for MGO/MDO only)

Fuel indicator filter

Fuel pressure valve (separate / for MGO/MDO only)

INSTRUMENTATION

Control push buttons and lamps

Emergency stop lever

Local control panel

Pressure and temperature indicator

LUBE SYSTEM

Dry sump

Lube oil duplex filter
Lube oil plate cooler (separate)
Lube oil pump (engine driven)
Lube oil self-cleaning filter
Pressure regulating valve

MOUNTING SYSTEM

High flexible coupling
Rigid mounting

STARTING SYSTEM

Electrical barring device
Starting air valve

GENERAL

Lifting device (rental)
Torsional Vibration Calculation (TVC)

M 43 C OPTIONAL EQUIPMENT

AIR INLET SYSTEM

Air inlet shut-off valve
Air intake transition piece
Expansion joint
Silencer / filter

CONTROL SYSTEM

Electronic speed governor cabinet
Engine alarm system
Remote control system
Remote indicators (start air pressure, engine speed, etc.)
Starter for electric driven pumps
24 DC UPS

COOLING SYSTEM

FW/SW plate cooler
HT cooling water pump (electric driven)
LT cooling water pump (electric driven)
Sea water cooling pump (electric driven)
Steam/thermal oil cooling water preheater
Temperature control valve

EXHAUST SYSTEM

Silencer (with or without spark arrestor)
Turbocharger at counter-flywheel side

FUEL SYSTEM

Fuel oil cooler

HFO final preheater
HFO pressure regulating valve
HFO self-cleaning automatic filter
HFO supply and booster pumps (electrical driven)
HFO treatment and supply modules
HFO viscosity control device
Mixing tank

LUBE SYSTEM

Lube oil pump (electrical driven)
Lube oil treatment and combined modules
Pre-lubricating oil pump (electrical driven)
Temperature control valve

MOUNTING SYSTEM

Flexible pipe connections
Resilient mounting

STARTING SYSTEM

Starting air compressor
Starting air receiver

GENERAL

Cat Propulsion Systems
Engine PTO coupling
PTO alternator
PTO shaft on counter-flywheel side
Reduction gear
Reduction gear PTO coupling

