

PRODUCT SPECIFICATIONS FOR M 25 E

Power Range	2100-3150 kW
Speed Range	720-750 rpm
Emissions	IMO II / IMO III with SCR
Aspiration	Turbocharged
Bore	10 in
Stroke	15.78 in
Rotation from Flywheel End	Counterclockwise/Clockwise
Configuration	Inline 6,8,9 Cylinder
Swept Volume	1244.89 in ³
Minimum Dry Weight	46738 lb
Minimum Length	190.6 in
Maximum Length	241.3 in
Minimum Height	133.3 in
Maximum Height	152 in
Minimum Width	81.9 in
Maximum Width	87.8 in

M 25 E STANDARD EQUIPMENT

AIR INLET SYSTEM

Air intake silencer / filter

CONTROL SYSTEM

Load sharing unit (for multiple engine plant only)

Modular alarm control and protection system (MACS)

Serial link interface (MODbus / canbus)

Speed governor

COOLING SYSTEM

Electrical 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 (attached / MGO/MDO only)

Fuel indicator filter

Fuel pressure valve (attached / MGO/MDO only)

INSTRUMENTATION

Local control panel

Pressure and temperature indicator

LUBE SYSTEM

Dry sump

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 25 E OPTIONAL EQUIPMENT

AIR INLET SYSTEM

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

CONTROL SYSTEM

Air injection control (for better load acceptance)
Electronic speed governor
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 arrester)
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 centrifuge
Lube oil pump (electrical driven)
Lube oil treatment and combined modules
Pre-lubricating oil pump (electrical driven)
Temperature control valve
Wet sump with dip stick

MOUNTING SYSTEM

Flexible pipe connections
Resilient mounting

STARTING SYSTEM

Starting air compressor
Starting air receiver

GENERAL

Cat Propulsion Systems
Engine PTO coupling
Part load optimization kit for constant speed engine (SFOC improvement, smoke reduction,...)
Part load optimization kit for variable speed engine (massive SFOC improvement,...)
PTO alternator
PTO shaft on counter-flywheel side
Reduction gear
Reduction gear PTO coupling

