

PRODUCT SPECIFICATIONS FOR M 32 E

Power Range	3300 - 4950 kW
Speed Range	720-750 rpm
Emissions	IMO II / IMO III with SCR
Aspiration	Turbocharged
Bore	12.6 in
Stroke	18.9 in
Rotation from Flywheel End	Counterclockwise/Clockwise
Configuration	6,8,9 Cylinder
Swept Volume	2257.88 in ³
Minimum Dry Weight	82673.4 lb
Minimum Length	238.4 in
Maximum Length	309.1 in
Minimum Height	152 in
Maximum Height	173.5 in
Minimum Width	86.4 in
Maximum Width	86.4 in

M 32 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

2-stage charge air cooler

Electronic cooling water preheater

HT cooling water pump (engine driven)

EXHAUST SYSTEM

Exhaust gas expansion joint

Exhaust gas insulated manifolds

Turbocharger at flywheel end

FUEL SYSTEM

Fuel circulating pump (attached / for MDO/MGO only)

Fuel indicator filter

Fuel pressure valve (attached / for MDO/MGO 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 safety filter

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 32 E OPTIONAL EQUIPMENT

AIR INLET SYSTEM

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

CONTROL SYSTEM

Air injection control (for better load acceptance)
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 spart 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

