

PRODUCT SPECIFICATIONS FOR VM 32 E

Power Range	6360 - 8960 kW
Speed Range	720/750 rpm
Emissions	IMO II
Aspiration	Turbocharged
Bore	12.6 in
Stroke	18.9 in
Rotation from Flywheel End	Counterclockwise/Clockwise
Configuration	12,16 Cylinder
Swept Volume	2361.619 in ³
Minimum Dry Weight	143300 lb
Minimum Length	273.6 in
Maximum Length	327.9 in
Minimum Height	138.7 in
Maximum Height	138.7 in
Minimum Width	117.5 in
Maximum Width	117.5 in

VM 32 E STANDARD EQUIPMENT

AIR INLET SYSTEM

Air intake silencer / filter

CONTROL SYSTEM

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

Protection system (external cabinet)

Serial link interface (MODbus / canbus)

Speed governor cabinet incl. load sharing unit (for multiple engine plant only)

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 (attached / for MGO/MDO only)

Fuel indicator filter

Fuel pressure valve (attached / 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 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)

VM 32 E OPTIONAL EQUIPMENT

AIR INLET SYSTEM

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

CONTROL SYSTEM

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

PTO alternator

PTO shaft on counter-flywheel side

Reduction gear

Reduction gear PTO coupling

Part load optimization kit for constant speed engine only (SFOC improvement, smoke reduction)

