

PRODUCT SPECIFICATIONS FOR M 20 C

Power Range	1020-1800 kW
Speed Range	900-1000 rpm
Emissions	IMO II / IMO III with SCR
Aspiration	Turbocharged
Bore	7.87 in
Stroke	11.81 in
Rotation from Flywheel End	Counterclockwise/Clockwise
Configuration	Inline 6,8,9 Cylinder
Swept Volume	573.62 in ³
Minimum Dry Weight	24030 lb
Minimum Length	159.4 in
Maximum Length	203.8 in
Minimum Height	92.3 in
Maximum Height	110.1 in
Minimum Width	62.6 in
Maximum Width	68 in

M 20 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 RTU/canbus)

Speed governor

Start/Stop panel

COOLING SYSTEM

Charge air cooler

Electronic cooling water preheater

HT cooling water pump (engine driven)

LT cooling water pump (engine driven)

EXHAUST SYSTEM

Exhaust gas expansion joint

Exhaust gas insulated manifolds

Turbocharger at flywheel side

FUEL SYSTEM

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

Fuel indicator filter

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

INSTRUMENTATION

Control push buttons and lamps

Emergency stop lever

Local Control Panel

Pressure and temperature indicator

LUBE SYSTEM

Dry sump

Lube oil cooler

Lube oil pump (engine driven)

Lube oil self-cleaning filter

Pressure regulating valve

MOUNTING SYSTEM

High flexible coupling

Rigid mounting

STARTING SYSTEM

Air starting motor

Manual barring device

GENERAL

Lifting device (rental)

Torsional Vibration Calculation (TVC)

M 20 C OPTIONAL EQUIPMENT

AIR INLET SYSTEM

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

CONTROL SYSTEM

Electronic speed governor
Engine alarm system
Remote control system
Remote indicators (start air pressure, engine speed, etc.)
Starter for electroc 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 treatment and supply modules

HFO supply and booster pumps (electrical driven)

HFO self-cleaning automatic filter

HFO pressure regulating valve

HFO final preheater

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 sump (electrical driven)

Wet sump

MOUNTING SYSTEM

Flexible pipe connections

Resilient mounting

STARTING SYSTEM

Starting air receiver

Starting air compressor

GENERAL

Cat Propulsion Systems

Engine PTO coupling

PTO alternator

PTO shaft on counter-flywheel side

Reduction gear

Reduction gear PTO coupling

