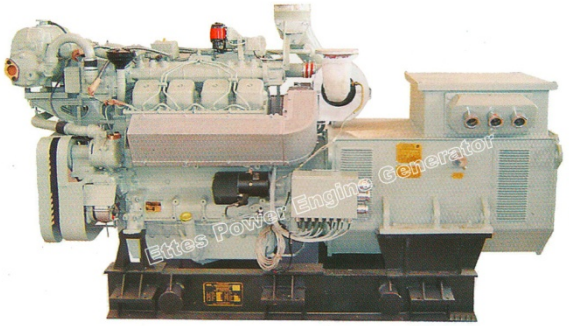
Marine Diesel Generating Set

MODEL	EDM-350/CCFJ280J (60HZ)
STANDBY POWER (60HZ)	308KW /385KVA
PRIME POWER (60HZ)	280KW /350KVA

Standard Features

- ●Marine Engine (MWM-Deutz TBD234V8)
- ●Heat Exchanger and Water Pump (for marine main power)
- ●Radiator (standard for marine emergency power genset or optional for marine main power genset)
- ●24V battery charger (optional)
- ●Alternator (Siemens, Marathon, Stamford or Equal), single bearing alternator, Protections Class IP23/IP44, insulation class H/H
- ●Absorber
- ●Standard control panel
- ●Start batteries, rack and cable (optional)
- ●Ripple flex exhaust pipe, exhaust siphon, flange, muffler (optional)
- ●Soundproof Canopy (optional)
- ●Air Start or Spring Start or Double Electrical Start (optional for emergency power genset)
- ●Tools kits
- ●User manual



General Ratings

Voltage	HZ	Phases &Wires	P.F (COS¢)	Rated Current (Amps)	Standby Ratings (KW/KVA)	Prime Ratings (KW/KVA)
480	60	3&3	0.8	421	308/385	280/350

Remarks: we can meet up other special voltage requirements.

Standards

- ● GB/T13032-1991, ISO9001:2008 and CE Quality Control System.
- ● As to Classification Society, we will supply CCS as standard; ABS, BV, DNV-GL or LR are optional.

Sales Promises

ETTES POWER provides a full line of brand new and high quality products. Warranty 12 months or 1,500 running hours, which is subject to the earlier one.

Complete Solutions for Diesel & Gas Generating Stations
ETTES POWER MACHINERY CO., LTD.
Add: No.188, Anshan West Road, Nankai District, Tianjin, China. / Website: www.ettespower.com
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Marine Diesel Engine Data

Engine Brand	HND-DEUTZ MWM
Engine Model	TBD234V8, 4 Stroke, Water Cooled.
Number of Cylinders	8 cylinders in Vee
Aspiration	Turbocharged and After-cooled
Bore×Stroke	128 x140 mm
Rated Speed	1800 RPM
Displacement	14.4 L
Compression Ratio	15:1
Prime Power	325KW /436HP
Speed Governor	Electrical
Standard Cooling System	By heat exchanger
Fuel Consumption at 100% Load	199 g/kw.h
Starter Motor	DC24V
Emission Standard	IMO TIER II, EIAPP Certificate

Alternator Specification

Alternator Brand	Siemens, Marathon, Stamford or Equal
Alternator Model	MP-H-300-4
Power Capacity	490KVA
Frequency/speed	60HZ/1800rpm
Exciter type	Brushless, Self-excited
Power factor	0.8
Insulation Grade	H
Protection Grade	IP23
Phase / wire	3 phase 3 wires

Control Panel

Standard Control Panel (originally coming from MWM-Deutz)

- ► engine start/stop
- ► engine coolant temperature
- ► oil pressure and temperature
- ► tachometer
- ► coolant temperature alarm
- ► oil pressure alarm
- ► battery charging indicator
- ► generator to be protection from overload and overheat
- ► other basic functions of monitoring and alarms

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Optional Automatic Control Panel

If you have special requirement, Ettes Power can supply automatic control panel (controller ENDA Series or Equal), which has the following features.

► Microcomputer digital control
► Digital display of parameters of diesel engine, and integration of measuring and monitoring
► Modularization of functional configuration, and integration of product structures
► Resistance to vibration, humidity, salt mist and high/low temperature
► Powerful ability to resist interference, convenient installation and use, and high performance-price ratio
► Automatic zero set of lubricating oil pressure.
► Remote monitoring of running parameters;
► Accumulation of running period of diesel engine
► Indicators of lube oil temperature; Lube oil pressure, Water temperature, Engine speed; Battery voltage; Engine run-time (Hours)

Standard Supply Scope

Complete standard open type marine diesel genset including:

- Engine
- Alternator
- Base Frame and Elastic Coupling
- Heat exchanger and sea water pump (for marine main power)
- Radiator (standard for marine emergency genset or optional for marine main genset)
- Standard control system
- Technical documents (user books, parts catalog, drawings and diagrams)
- Bench testing report
- CCS and EIAPP certificates

Optional Equipments

Engine	Alternator
● Water Separator ● Water and Oil Heater ● Air Start or Spring Start or double electrical start (for emergency genset) ● Battery and Charger ● Exhaust Silencer	● Anti Condensation Heater ● Permanent Magnet Generator(PMG) ● Drop CT(For Paralleling)

Control System	Others
● Switchboard (circuit breaker) ● (ATS) Control Panel (for emergency genset) ● Parallel Control Panel	● Free Standing Fuel Tank ● Soundproof Canopy ● Rainproof Canopy ● Fire Fighting System ● Extra Spare Parts for future maintenance

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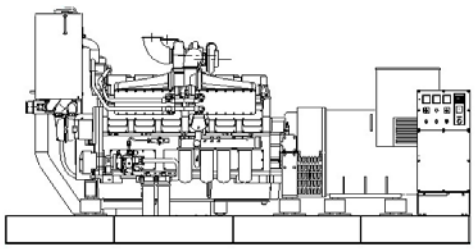
Certification

We will supply CCS (China Classification Society) as standard, which is the member of IACS (the International Association of Classification Societies) and chaired IACS Council respectively in 1996-1997 and 2006-2007.

However, we also can apply other special certificates such as ABS, BV, DNV-GL or LR etc according to the client's requirements.

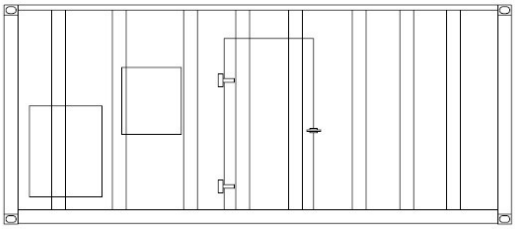
Dimension & Weight



Standard Configuration (Open Type)

Overall Size: 2774(mm)×1122(mm)×1847(mm)

Weight : 3200 kg



Soundproof Type

Overall Size: to be confirmed

Weight: to be confirmed

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