Marine Diesel Generating Set

IMO TIER II

MODEL	ECM-338/CCFJ270J (60HZ)
STANDBY POWER (60HZ)	300KW /375KVA
PRIME POWER (60HZ)	270KW /338KVA

Standard Features

General Features

- Marine Engine Cummins N855-DM
- 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(Marathon, Siemens or Equal), single bearing alternator 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)
440	60	3&3	0.8	443	300/375	270/338

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. Furthermore, all Cummins engines are backed by a comprehensive warranty and worldwide distributor service network.

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 Generating Set

IMO TIER II

Marine Diesel Engine Data

Engine Brand	Cummins
Engine Model	N855-DM, 4 Stroke, Water Cooled.
Number of Cylinders	6 cylinders in line
Aspiration	Turbocharged and After-cooled
Bore×Stroke	140 x152 mm
Rated Speed	1800 RPM
Displacement	14 L
Prime Power	313KW /420HP
Speed Governor	Electrical
Cooling System	By heat exchanger
Fuel Consumption at 100% Load	213 g/kw.h
Starter Motor	DC24V
Emission Standard	IMO TIER II, EIAPP Certificate

Alternator Specification

Alternator Brand	Marathon, Siemens, Stamford or Equal
Alternator Model	MP-H-300-4
Power Capacity	300KW/375KVA
Frequency/speed	60HZ/1800rpm
Exciter type	Brushless, Self-excited
Power factor	0.8
Insulation Grade	H
Protection Grade	IP23(IP44 is optional)
Phase / wire	3 phase 3 wires

Control Panel

Standard Control Panel KCM II G (originally coming from Cummins)

- ► 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

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.

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

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

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ISO 9001 CE
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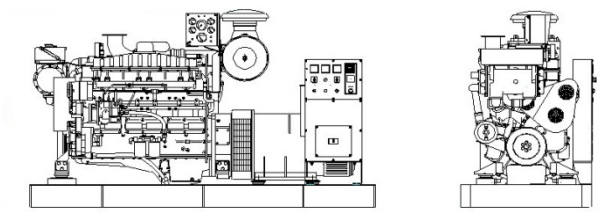
Certification

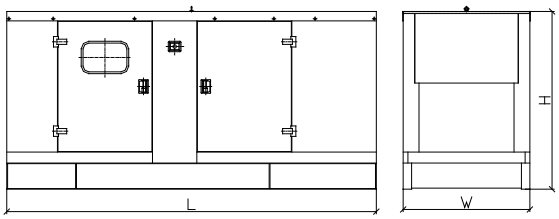
We will supply CCS (China Classification Society) as standard, which is the member of IACS (the International Association of Classification Societies) and chaired IACS Council respectively in 1996-1997 and 2006-2007.

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: 2860(mm)×1300(mm)×1850(mm)
Weight: 3180 kg



Soundproof Type
Overall Size: to be confirmed
Weight: to be confirmed

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