

C4.4

Marine Generator Set Commercial Applications



ENGINE SPECIFICATIONS

CONFIGURATION	In-line 4, 4-stroke cycle diesel
EMISSIONS	N/C
RATED ENGINE SPEED	1500 rpm / 1800 rpm
DISPLACEMENT	4.4 L (269 cu in)
ASPIRATION	NA, turbocharged, turbocharged-aftercooled
GOVERNOR	Electronic (Isochronos)
FLYWHEEL HOUSING	SAE No. 3

BORE x STROKE	105 mm x 127 mm / 4.13 in x 5.0 in
REFILL CAPACITY LUBE OIL SYSTEM W/ OIL FILTER CHANGE	8.5 L (2.25 gal)
OIL CHANGE INTERVAL	500 hrs
ROTATION (from flywheel end)	Counterclockwise
COOLING	Heat exchange, keel-cooled, radiator-cooled

KEY FEATURES AND BENEFITS

- Wide range of power offerings
- Package sized per power node
- Simple mechanical operation
- Fuel efficient operation
- Durable metal engine cooling pipework
- Range of MCS certification

STANDARD EQUIPMENT

- Water-cooled exhaust manifold
- Gear driven water pumps
- Plate type engine oil cooler
- Electric fuel lift pump
- Steel base frame with integrated drip tray
- Closed circuit crankcase ventilation
- Anti-vibration mounts
- Isolated ground electrical system
- Energized to run fuel shutoff solenoid
- Single side servicing (LH)
- 12v or 24v control system

OPTIONAL ATTACHMENTS

- Radiator-cooled
- Keel-cooled
- Jacket water heater
- Generator space heater
- Duplex fuel filters
- Duplex oil filters
- Double wall high pressure fuel lines
- MCS approved packages
- Alarm and shutdown control system
- Governor droop kit for parallel operation
- Sound attenuation enclosure

(Not available for radiator-cooled)

GENERATOR SETS

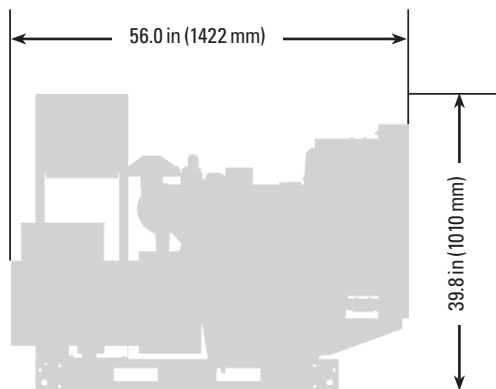
ekW@8pf	kVA	Hz	RPM	U.S. g/H	g/bkW-hr	IMO	U.S. EPA	EU	China
38.0	47.5	50	1500	2.9	195.1	NST	NC	NC	NC
51.0	64.5	50	1500	3.9	201.5	NST	NC	NC	NC
69.0	86.0	50	1500	4.9	207.7	NST	NC	NC	NC
86.0	107.0	50	1500	6.5	206.1	NST	NC	NC	NC
44.0	55.0	60	1800	3.4	204.1	NST	NC	NC	NC
58.0	73.0	60	1800	4.2	206.3	NST	NC	NC	NC
76.0	95.0	60	1800	5.8	213.3	NST	NC	NC	NC
99.0	123.0	60	1800	7.3	205.2	NST	NC	NC	NC
36.0 R	45.0	50	1500	2.9	195.1	NST	NC	NC	NC
49.0 R	61.0	50	1500	3.9	201.5	NST	NC	NC	NC
65.0 R	81.0	50	1500	4.9	207.7	NST	NC	NC	NC
82.0 R	103.0	50	1500	6.5	206.1	NST	NC	NC	NC
42.0 R	53.0	60	1800	3.4	204.1	NST	NC	NC	NC
56.0 R	70.0	60	1800	4.5	206.3	NST	NC	NC	NC
72.0 R	90.0	60	1800	5.8	213.3	NST	NC	NC	NC
95.0 R	119.0	60	1800	7.3	205.2	NST	NC	NC	NC

Remark: R - Radiator Cooled Rating

- All Cat marine auxiliary engines and generator sets are rated for prime power for continuous electric service according to ISO 8528-1
- Hours per year: Unlimited
- Load Factor: < 70%
- Overload Capacity: + 10% (Maximum of 1 hour of every 12, maximum of 25 hours per year)

ENGINE DIMENSIONS AND WEIGHT

	Length	Height	Width
Open min.	56.0 in/1422 mm	39.8 in/1010 mm	27.6 in/700 mm
Open max.	73.3 in/1861 mm	46.2 in/1174 mm	32.3/821 mm
Enclosed	68.9 in/1750 mm	47.8 in/1215 mm	39.4/1000 mm



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