



# C18 Marine Generator Set

NPI Information  
Specifications  
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# C18 Marine Generator Set Specifications

- I-6, 4-Stroke-Cycle-Diesel
- EPA, IMO and CCNR Compliant
- Displacement- 18.1 L (1106 cu in)
- Bore- 145 mm (5.7 in)
- Stroke- 183 mm (7.2 in)
- Turbocharged Aftercooled and  
Twin Turbocharged Aftercooled
- Electronic governor
- SAE # 0 Flywheel (136 Teeth) and flywheel housing

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## ➤ Dimensions

➤ Length	3040.0 mm	119.68 in
➤ Width	1150.9 mm	45.31 in
➤ Height	1557.5 mm	61.32 in

## ➤ Approximate Dry Weight

➤ 340 & 425 ekW, 1800 rpm	3799 kg (8375 lb)
➤ 500 ekW, 1800 rpm	3974 kg (8761 lb)
➤ 550 ekW, 1800 rpm	4565 kg (10,064 lb)
➤ 275 & 350 ekW, 1500 rpm	3799 kg (8375 lb)
➤ 400 ekW, 1500 rpm	3958 kg (8726 lb)
➤ 450 ekW, 1500 rpm	4520 kg (9965 lb)

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- **Engineering Model – GS297**
- **Serial Number Prefix (Gen Set Pkg.) -- MGS**
- **Performance Numbers**
  - **340 ekW at 1800 (60 Hz) – DM7743**
  - **425 ekW at 1800 (60 Hz) – DM7744**
  - **500 ekW at 1800 (60 Hz) – DM7745**
  - **550 ekW at 1800 (60 Hz) – DM7746**
  
  - **275 ekW at 1500 (50 Hz) – DM7739**
  - **350 ekW at 1500 (50 Hz) – DM7740**
  - **400 ekW at 1500 (50 Hz) – DM7741**
  - **450 ekW at 1500 (50 Hz) – DM7742**

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- **Core Engine Arrangements**
  - 340 ekW at 1800 (60 Hz) 261-7714 / 261-7715
  - 425 ekW at 1800 (60 Hz) 261-7716 / 261-7717
  - 500 ekW at 1800 (60 Hz) 261-7718 / 261-7719
  - 550 ekW at 1800 (60 Hz) 261-7720 / 261-7721
  
  - 275 ekW at 1500 (50 Hz) 261-7706 / 261-7707
  - 350 bkW at 1500 (50 Hz) 261-7708 / 261-7709
  - 400 bkW at 1500 (50 Hz) 261-7710 / 261-7711
  - 450 ekW at 1500 (50 Hz) 261-7712 / 261-7713
  
- **General Dimension Drawings**
  - Heat exchanged 270-7059, 270-7060, 270-7061, 270-7062
  - Keel cooled 270-7063, 270-7064, 270-7065, 270-7066

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## ➤ Fuel Consumption (60 Hz at 1800 rpm)

➤ 340 ekW	
➤ 100% load	89.3 Lph (23.6 gph)
➤ 75% load (255 ekW)	67.4 Lph (17.8 gph)
➤ 50% load (170 ekW)	48.5 LPH (12.8 gph)
➤ 425 ekW	
➤ 100% load	111.7 Lph (29.5 gph)
➤ 75% load (319 ekW)	82.9 Lph (21.9 gph)
➤ 50% load (213 ekW)	57.9 Lph (15.3 gph)
➤ 500 ekW	
➤ 100% load	129.8 Lph (34.3 gph)
➤ 75% load (375 ekW)	95.4 Lph (25.2 gph)
➤ 50% load (250 ekW)	66.2 Lph (17.5 gph)
➤ 550 ekW	
➤ 100% load	144.2 Lph (38.1 gph)
➤ 75% load (413 ekW)	104.9 Lph (27.7 gph)
➤ 50% load (275 ekW)	71.9 Lph (19.0 gph)

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- **Fuel Consumption (50 Hz at 1500 rpm)**
  - 275 ekW
    - 100% load 71.5 Lph (18.9 gph)
    - 75% load (206 ekW) 54.9 Lph (14.5 gph)
    - 50% load (138 ekW) 38.6 Lph (10.2 gph)
  - 350 ekW
    - 100% load 88.2 Lph (23.3 gph)
    - 75% load (263 ekW) 67.8 Lph (17.9 gph)
    - 50% load (175 ekW) 47.3 Lph (12.5 gph)
  - 400 ekW
    - 100% load 102.2 Lph (27.0 gph)
    - 75% load (300 ekW) 74.6 Lph (19.8 gph)
    - 50% load (200 ekW) 52.2 Lph (13.8 gph)
  - 450 ekW
    - 100% load 117.7 Lph (31.1 gph)
    - 75% load (338 ekW) 83.3 Lph (22.0 gph)
    - 50% load (225 ekW) 56.8 Lph (15.0 gph)

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- **Refill Capacities (engine only)**
  - Cooling System
    - 45.8 L (12.1 U.S. gal)
  - Lube System
    - 49 L (12.9 U.S. gal)
  
- **Oil Change Interval**
  - 250 hours