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SCANIA

MBL450D-4F

COLLICUTT'S LATEST IN POWER GENERATION TECHNOLOGY

MAIN OVERVIEW

This specification outlines the Collicutt MBL450D-4F, trailer mounted, 450kW, Tier 4 Final, prime rated, diesel generator package.



ENGINE

- ▶ Scania DC16-084A
- ▶ EPA certified Tier 4f emissions level
- ▶ 450kW prime rating and 495kW standby rating
- ▶ 1800rpm engine speed
- ▶ Engine mounted radiator
- ▶ 120V engine coolant heater
- ▶ 50°C (122°F) cooling system design
- ▶ 24V control system
- ▶ Battery charger
- ▶ ECU override switch for running diagnostic software
- ▶ Group 31 batteries
- ▶ 120L (32G) DEF capacity
- ▶ Programmable shutdowns
- ▶ Lockable DEF & fuel fill location
- ▶ Oil level monitoring

ELECTRICAL

- ▶ Single motorized main line 1600A main line circuit breaker
- ▶ Ability to parallel the generator with other units
- ▶ Ability to switch between 208V and 480V
- ▶ 400A camlocks for electrical interface
- ▶ Deep Sea 8910 controller

ENCLOSURE

- ▶ Lockable level 1 enclosure for increased security
- ▶ Insulated exhaust tubing inside
- ▶ Sound attenuating insulation (75dBA rating at 7m)
- ▶ Venting for cooling and engine air consumption
- ▶ Rodent/bird guards
- ▶ Internal 24V lighting system
- ▶ Removable panels to assist with maintenance
- ▶ External emergency stop
- ▶ Rear DEF and fuel fill
- ▶ Customizable paint color and company logo air intake

ALTERNATOR

- ▶ Stamford HCI534D
- ▶ MX321 voltage regulator
- ▶ Capable of 480V @ 625A and 208V @ 1450A
- ▶ PMG excitation
- ▶ 60Hz
- ▶ Dual bearing

GENERATOR DIMENSIONS

- ▶ Width: 8' - 5.5"
- ▶ Length: 26' - 6.5"
- ▶ Height: 9' - 10.5"

GENERATOR WEIGHT

- ▶ 23,000lbs or 10,454kg



TRAILER

- ▶ 620G (2350L) UN31 fuel tank
- ▶ 12k tandem spring axles
- ▶ ST235-75-R17.5 wheel assemblies
- ▶ Powder coated textured black
- ▶ 10k drop leg tongue jack
- ▶ LED lighting
- ▶ Removable fenders
- ▶ Adjustable 3" pintle eye
- ▶ NATM compliant

WARRANTY

- ▶ Comprehensive 1-year standard warranty
- ▶ 5year/3000hour emissions warranty
- ▶ Options to extend warranty

CONSUMPTION

FUEL CONSUMPTION

FULL LOAD	104L/hr (27G/hr)
¾ LOAD	79L/hr (21G/hr)
½ LOAD	55L/hr (14G/hr)

DEF CONSUMPTION

FULL LOAD	4L/hr (1G/hr)
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