



MODEL: MCCT-16YAR

Generator Set for Railway Reefer Container

Generator set


| | | |
|-----------------------------|---|-----------------|
| Emission regulation | China Off Road Stage III | |
| Rated power | 15 kW / 18.75 kVA | |
| Rated voltage | 460 V | |
| Rated frequency | 60 Hz | |
| Overall dimension | Length | 2320 mm |
| | Width | 811(689+122) mm |
| | Height | 1100 mm |
| Weight | 1040 kg (Without oil and coolant) | |
| Fuel tank capacity | 425 L | |
| Operation temperature range | -40°C~ + 55°C | |
| The loading capacity | 20ft container: 7 units, 40ft container: 14 units | |

Engine

| | | |
|---------------------|---|--|
| Model | 4TNV88-GGHWC | |
| Manufacturer | YANMAR | |
| TYPE | Vertical in-line, 4-cycle, water-cooled diesel engine | |
| Number of cylinders | 4 | |
| Bore | 88 mm | |
| Stroke | 90 mm | |
| Total displacement | 2.19 L | |
| Standby output | 21.6 kW | |
| Continuous output | 19.6 kW | |
| Rated speed | 1800 r/min | |
| Coolant volume | 10 L (Including reserve tank) | |
| Oil tank capacity | 7.4 L | |
| Fuel consumption | 1.7~3.0 L/h (Loading reefer container) | |
| Air cleaner type | Heavy-duty oil bath filter air cleaner | |
| Starting system | 12 VDC-1.4 kW Starting motor | |
| Starting aid | 12 VDC Glow plug | |
| Charging generator | 12 V-40 A Charging generator | |



Alternator

| | |
|-------------------------|--|
| Model |  <p>RF-15-CIMC-FS</p> |
| Excitation method | Permanent magnet excitation |
| IP Grade | IP56 |
| Insulation class | H |
| Control system | |
| Control unit | SCGC4010NC or SCGC4100LT |
| Instrument | LCD |
| Protection feature | Low oil pressure, high coolant temperature, low coolant level, over load, over/ under engine speed, high/ low AC voltage, low fuel level, etc. |
| Generator set control | ON/ OFF switch RUN/ STOP switch CYCLE RUN/ STOP CYCLE switch |
| Cycle run system | 1) Less fuel consumption by 30%-40% 2) Resettable Running time T2 and Stopping time T1 3) At least 360 hours running period with 425L fuel |
| Cloud monitoring system | One-stop platform by mobile APP and WEB for remote monitoring and management on genset parameter and runtime, record tracking, navigating etc. |
| Restart function | The generator set has restart function when it stops unexpectedly |
| Auxiliary System | |
| Battery | Two independent 12VDC-120AH maintenance-free batteries are used for starting and Cloud monitoring system respectively |
| Receptacle | IP67 receptacle, 32A, 3 wire-4 pole, Earth contact position-3h. |
| Fuel gauge | Mechanical fuel gauge |






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