



MODEL: MCCT-16YA/CS5

Generator Set for Reefer Containers

Generator set

Emission regulation	EU Stage V	
Rated power	15 kW / 18.75 kVA	
Rated voltage	380 V	
Rated frequency	50 Hz	
Overall dimension	Length	2320 mm
	Width	811(689+122) mm
	Height	1100 mm
Weight	980 kg (Without oil and coolant)	
Fuel tank capacity	410 L	
Operation temperature range	-40°C~ + 55°C	
The loading capacity	20ft container: 7 units, 40ft container: 14 units	

Engine

Model	4TNV88-BIGE
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	18.5 kW
Continuous output	17.2 kW
Rated speed	1500 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 style="text-align: center;">RF-15-CIMC-FS</p>
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Excitation method	Permanent magnet excitation
IP Grade	IP56
Insulation class	H

Control system

Model	MCCT-1GYAS5	MCCT-1GYACS5
Control unit	EG-1	MPMC 4010NC or MPMC 4100LT
Instrument	Hour meter, temperature gauge, oil pressure, DC voltmeter, indicator.	LCD integrated display
Circuit breaker	50A, manually reset is required	Without circuit breaker
Protection feature	Low oil pressure, high coolant temperature, low coolant level, generator short circuit or over load.	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 START/ PREHEAT switch	ON/ OFF switch START/ PREHEAT switch CYCLE RUN/ STOP CYCLE switch
Cycle run system(optional)	NA	1) Less fuel consumption by 30%-40% 2) Resettable Running time T1 and Stopping time T2
Cloud monitoring system (optional)	NA	One-stop platform by mobile APP and WEB for remote monitoring and management on genset parameter and runtime, record tracking, navigating etc.




Auxiliary System

Battery	12 VDC-90 AH maintenance-free battery
Receptacle	IP67 receptacle, 32A, 3 wire-4 pole, Earth contact position-3h.
Fuel gauge	Mechanical fuel gauge



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