

MODEL: MCCG-C550H

Power Pack for Reefer Containers





Applicable Standards

- ISO 8528-5:2018
- GB/T2820.5-2009
- CE

Environmental Conditions

- Ambient temperature: +5°C~+40°C
 - Altitude: ≤1000m
- Remark: If your conditions are different from the above, please contact our sales.

Factory Inspection

- Complete design and quality inspection
- 0%, 25%, 50%, 75%, 100%, 110% load test.
- Function test.
- Protection test

Painting Process

- MPMC has the most advanced automatic spraying / powder coating production line, and is equipped with various sandblasting equipment to ensure higher quality.
- Container painting: Henkel pretreatment process and world famous brand AkzoNobel powder.
- Base Frame painting: Sandblasting process and AkzoNobel powder (Hempel paint is optional).

General Information		Prime power	Standby power
Rated Power (kVA)		688	750
Power Rating (kW)		550	600
Frequency (Hz)		60	
Engine Model		QSK19-G5	
Engine Speed (RPM)		1800	
Phase		3	
PF		0.8	
Control System		Digital	
Rated voltage (V)		460/265 (According to customer requirements)	
Fuel tank capacity operating time		≥ 22h @ 100% load	
Available for Reefer containers		54 sets	
Standby sockets		4	
Fuel Consumption (L/h)	110% load	175	
	100% load	153	
	75% load	120	
	50% load	89	

Dimension and Weight

Length (L) mm	6058
Width (W) mm	2438
Height (H) mm	2591
Dry weight (kg)	7610
Tank capacity (L)	2500

Note: Specifications and illustrations are subject to revision without notice.



ISO9001:2015
Quality system certified



ISO14001
System certification



OHSAS18001
System certification



CE certificate

Socket for ISO reefer container

- IP 57
- CEE-17 standard
- 32 A with 3P3W

Engine Specifications

Engine model & manufacturer	QSK19-G5 (Cummins)
Emission Certification	China Tier III / EPA Tier II
Number of cylinders	6
Cylinder arrangement	In-line
Cycle	Four stroke
Aspiration	Turbocharged
Bore x Stroke	159 x 159 mm
Displacement	18.9 L
Compression ration	15: 1
Prime power /speed	608 kW/1800 rpm
Standby power /speed	669 kW/1800 rpm
Speed governor	ECM
Cooling system	Forced Water Cooling Cycle
Frequency droop	≤ 3%
Total lubrication system capacity	84.4L
Coolant capacity (engine only)	41.6 L
Fuel consumption	100% load 215 g/kWh @1800 rpm
Starter motor	DC 24V
Charge alternator	DC 24V

- Heavy duty diesel engine
- Anti-vibration mount
- Replaceable fuel filter, oil filter & air filter
- Cooling radiator and fan

- Starter battery (with lead acid) including rack and cables
- Flexible fuel connection hoses
- Exhaust silencer and bellows
- Operation manuals and circuit diagram documents

Alternator Specifications

Alternator	
Number of phase	3
Power factor (Cos Phi)	0.8
Poles	4
Insulation type	H class
Winding Pitch	2/3
IP rating	IP23
Bearing	Single bearing
Voltage regulator	A.V.R
Coupling	Flexible disc

Options

Engine	Alternator	Fuel System	Generating Set
<ul style="list-style-type: none"> <input type="checkbox"/> Water Jacket Preheater <input type="checkbox"/> Oil Preheater <input type="checkbox"/> Oil manual pump 	<ul style="list-style-type: none"> <input type="checkbox"/> PMG excitation <input type="checkbox"/> Anti dust filter <input type="checkbox"/> Space heater <input type="checkbox"/> Winding temperature measuring 	<ul style="list-style-type: none"> <input type="checkbox"/> External fuel tank <input type="checkbox"/> Automatic fuel feeding <input type="checkbox"/> Special materials 	<ul style="list-style-type: none"> <input type="checkbox"/> Deepsea, ComAp, Smartgen etc. controller <input type="checkbox"/> Trailer <input type="checkbox"/> Tools with the machine



MPMC USA



MPMC UK



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MPMC CN

MPMC POWERTECH CORP.

sales@mpmc-china.com | www.mpmc-china.com

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