

Diesel Generating Set

PP700C

MODEL	PP700C
Standby Power (50Hz)	560KW / 700KVA
Prime Power (50Hz)	508KW / 635KVA

Standard Features

General Features:

Engine (Cummins QSK19-G4)
 Radiator 50°C max, fans are driven by belt, with safety guard
 24V charge alternator
 Alternator: single bearing alternator IP23, insulation class H/H
 Absorber
 Dry type air filter, double fuel filter, oil filter, coolant filter
 Main line circuit breaker
 Standard control panel
 Starting batteries , rack and cable
 Ripple flex exhaust pipe, exhaust siphon, flange, muffler
 User manual



PHOTO FOR REFERENCE ONLY

Generator Ratings

Voltage	HZ	Phase	P.F (COS ϕ)	Standby Amps	Standby Ratings (KW/KVA)	Prime Ratings (KW/KVA)
440/254	50	3	0.8	919	560/700	508/635
415/240	50	3	0.8	974	560/700	508/635
400/230	50	3	0.8	1010	560/700	508/635
380/220	50	3	0.8	1064	560/700	508/635

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820 (eqv ISO8528) ; A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

Standby Power Rating (ESP): The standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

Diesel Generating Set

PP700C

ENGINE DATA

Manufacturer / Model:	CCEC Cummins QSK19-G4, 4-cycle
Air Intake System:	Turbo, Air/Air cooling
Fuel System:	Direct injection Cummins MCRS
Cylinder Arrangement:	6 cylinders
Displacement:	19L
Bore and Stroke:	159*159 (mm)
Compression Ratio:	15.0:1
Rated RPM:	1500rpm
Max. Standby Power at Rated RPM:	634KW/850HP
Governor Type:	Electronic

Exhaust System

Exhaust Gas Flow:	132.36m ³ /min
Exhaust Temperature:	516°C
Max Back Pressure:	6.8kPa

Air Intake System

Max Intake Restriction:	6.2kPa
Consumption:	52.56m ³ /min
Air Flow:	900m ³ /min

Fuel System

100% (Prime Power) Load:	215 g/kWh
75% (Prime Power) Load:	219 g/kWh
50% (Prime Power) Load:	234 g/kWh
100% (Prime Power) Load:	139.2L/h

Oil System

Total Oil Capacity:	84.4L
Oil Consumption:	≤4g/kwh
Engine Oil Tank Capacity:	64.4-71.9L
Oil Pressure at Rated RPM:	275.8-413.7 kPa

Cooling System

Total Coolant Capacity:	116L
Max Water Temperature:	104°C

Diesel Generating Set**PP700C****ALTERNATOR SPECIFICATION****GENERAL DATA**

Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34, CSA C22 and AS1359 standards.

ALTERNATOR DATA

Manufacturer:	STAMFORD
Number of Phase:	3
Connecting Type:	3 Phase and 4 Wires, "Y" type connecting
Number of Bearing:	1
Power Factor:	0.8
Protection Grade:	IP23
Altitude:	≤1000m
Exciter Type:	Brushless, self-exciting
Insulation Class, Temperature Rise:	H/H
Telephone Influence Factor (TIF):	<50
THF:	<2%
Alternator Capacity:	625KVA
Alternator Efficiencies:	95.1%

GENERATOR SET DATA

Voltage Regulation:	≥±5%
Voltage Regulation, Stead State:	≤±1%
Sudden Voltage Warp (100% Sudden Reduce):	≤+25%
Sudden Voltage Warp (Sudden Increase):	≤-20%
Voltage Stable Time (100% Sudden Reduce):	≤6S
Voltage Stable Time (Sudden Increase)	≤6S
Frequency Regulation, Stead State:	≤5%
Frequency Waving:	≤1.5%
Sudden Frequency Warp (100% Sudden Reduce):	≤+12%
Sudden Frequency Warp (Sudden Increase):	≤-10%
Frequency Recovery Time (100% Sudden Reduce):	≤5S
Frequency Recovery Time (Sudden Increase):	≤5S

Diesel Generating Set

PP700C

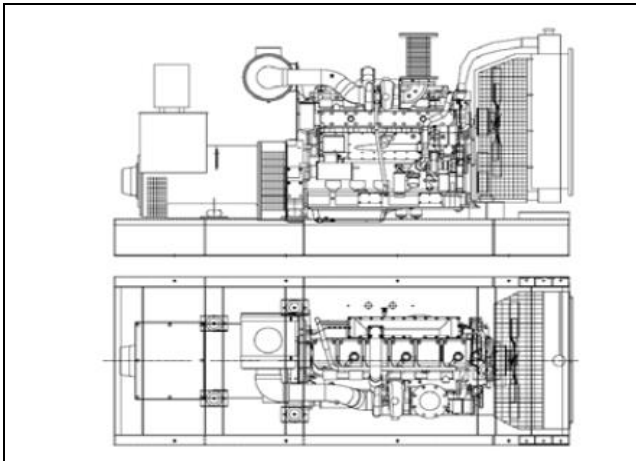
Standard Features

- ◇ Standard Auto Control System
- ◇ Starting batteries (Maintenance-Free & Watering-Free) with connective wires
- ◇ Documents
- ◇ MCCB
- ◇ Oil Drain Valve
- ◇ Permanent Magnet Generator(PMG)
- ◇ Exhaust System(including until muffler)

Options

- ◇ Base Fuel Tank
- ◇ Daily Fuel Tank
- ◇ Battery Charger
- ◇ Engine Heater
- ◇ Water Separator
- ◇ Alternator Heater
- ◇ Rainproof Type
- ◇ Soundproof Type
- ◇ Trailer Type
- ◇ Spare Parts
- ◇ Remote Control Panel
- ◇ Automatic Transfer Switch
- ◇ Paralleling System
- ◇ Switch box

Dimension & Weight



Standard Configuration (Open Type)

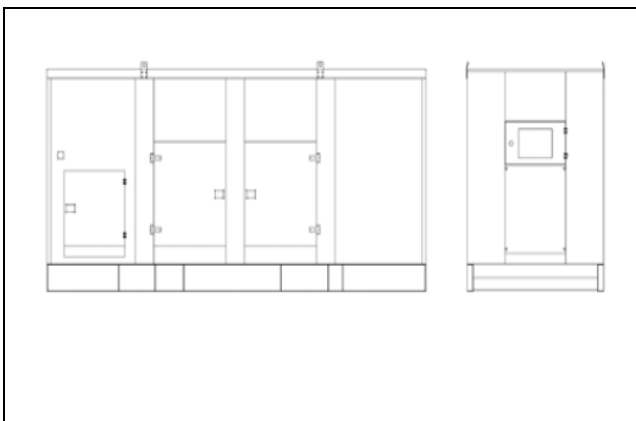
Overall Size: 3700×1570×2080 (mm)

Weight: 4550kg

With Base Fuel Tank

Overall Size: 3250×1610×2080 (mm)

Weight: 4890kg



Soundproof Type

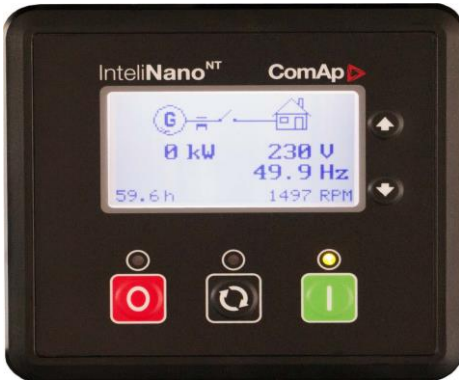
Overall Size: 5030×1860×2550 (mm)

Weight: 6850 kg

Diesel Generating Set

PP700C

Auto Module Control Panel



Powergen Pacific Standard Control Panel uses micro processing technique integrating digital, intelligent and network techniques which can carry out functions including auto start/stop, data measure, alarming. The controller uses LCD display. It can be widely used in all types of generator automatic control system for compact structure, advanced circuits, simple connections and high reliability. USB interface and ECU support CAN J1939.

Auto Parallel Control Panel



Automatic Parallel Control Panel This new automatic parallel system adopts intelligent modules, inserted and folded installed, no need the peripheral relay and logic circuit. The main switch adopts electronic breaker or frame breaker, combined together with the generator, which is very reliable. One generator, one panel. The panel can be used both for singly and parallel. It is only need to parallel generator with such panel when the capability needs to be enlarged in the future.

Sales Promises

Powergen Pacific Power provides a full line of brand new and high quality products. Each unit is strictly factory tested.

Warranty is according to our standard conditions: a, 15 months, counted on the day Powergen Pacific sold to the first buyer; b, One year after installation; c, 1000 running hours (accumulated); subject to the earlier one.

Service and parts are available from Powergen Pacific or distributors in your location.