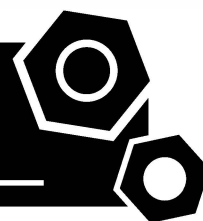


Generator set
Sound-proof type
T750XS

SPECIFICATIONS



T3 series

T750X

50 Hz @ 1500rpm, 3-phase/4-wiring



1 Standards & Conditions

Design Standards

The designs and the productions are in conformity with:

- Conformance Européenne (CE)
- ISO8528-5:2005
- GB/T2820.5-2009

Environmental Operating Conditions

- Installation place: Outdoors or indoors (well ventilated).
- Ambient temperature: -25°C to 50°C. The coolant heater is needed when the temperature is below 5°C
- Humidity: Less than 80%.
- Altitude: Below one thousand (1000) meters.

Factory Inspection

- Inspection items.
- Protection devices working test.
- Starting ability in normal temperature.
- 50% rated power load moment capability.
- Voltage deviation and speed variation: 0%, 25%, 50%, 75%, 100%, 110% Load.

Painting Process

- Painting process specifications and colors are based on the manufacturer's standard.
- The customer could also choose the color which the manufacturer offers.

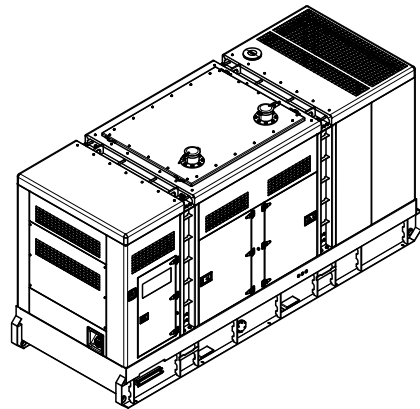
2 General Features

- Powerlink engine QSE19-G3
- Close coupled to LSA alternator LSA49.3M8
- Microprocessor control module XC762
- Main circuit breaker: 1250A
- Speed governor: ECU
- Excitation System: Self excited
- A.V.R. Model: R250
- Key switch
- Emergency stop switch
- ATS (automatic transfer switch) receptacle
- 4x12V/150AH sealed for life maintenance free battery

- Lockable battery isolator switch
- Powder coated canopy
- 50°C radiator
- Oil pump on the engine
- Steel base frame with forklifts
- Vibration isolators between the engine/alternator and base frame
- Dry type air filter
- Base fuel tank for 9 hours running
- Drain points for fuel tank
- Operation Manual / Specifications

3 Equipment Specification

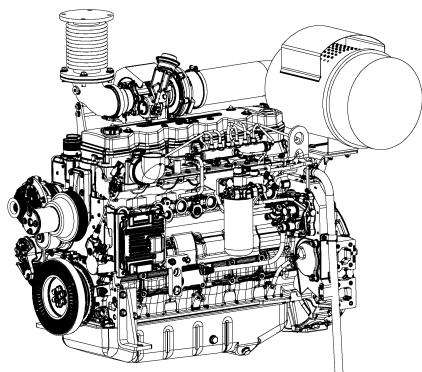
General technical data



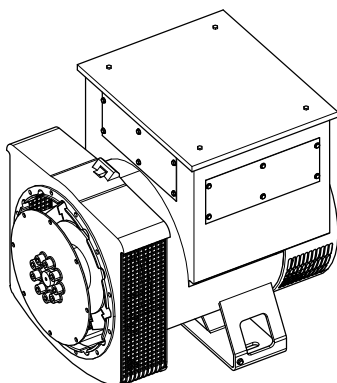
Model.....T750XS
Structure type R
Tank capacity.....1450L
Dry weight.....9870kg
Sound pressure level @7m 76.3dB(A)
Emissions complianceCHINA STAGE III
Dimensions L×W×H.....5462x2096x2795mm
Standby Power825kVA/660kW
Prime Power 750kVA/600kW

Voltage	380V	400V	415V	440V	
Ampere	1139.5A	1082.6A	1043.4A	984.1A	
Genset Fuel Consumption					
Frequency/Load	25%	50%	75%	100%	110%
50Hz (L/h)	N/A	79.0	114.9	157.2	175.5

Power System

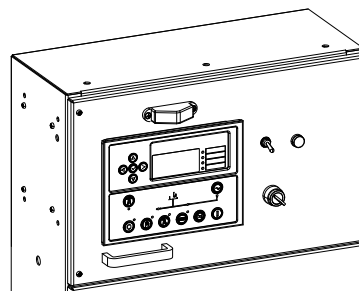


Engine Manufacturer/Brand	Powerlink
Engine Model	QSE19-G3
Dimensions L×W×H	2347×1470×1778mm
Dry Weigh (approx.)	1900kg
Number of Cylinders	6
Bore	152mm
Stroke	180mm
Displacement	19.6L
Compression Ratio	14
Type of Injection	High pressure common rail
Intake System	Turbocharged
Intake Resistance	≤8kPa
Cooling System	Water cooled
Fan	Pusher
Battery Voltage	24V
Type of Fuel.....	RF75-T-96 / DIN EN590 / BS2869 class A2
Type of Oil	API-CG4/ CH4
Oil Capacity	55.0L
Type of Coolant	Glycol mixture
Coolant Capacity	130.5L
Back Pressure	≤10kPa
Standby Power	735kW
Prime Power	668kW
Fuel Consumption(100%load)	157.2L/h



Alternator Manufacturer/Brand	Leroy Somer
Alternator Model	LSA49.3M8
Exciter	Brushless
Cooling Fan	Cast alloy aluminum
Windings	100% copper
Insulation Class	H
Winding Pitch	2/3
Terminals	12
Drip Proof	IP23
Altitude	≤1000m
Overspeed	2250 rpm
Air Flow	0.216m³/s(50HZ),0.281m³/s(60HZ)
Voltage Regulation	±1.0%
Total harmonic TGH / THCat no load < 1.5 % - on load < 5%	
Telephone Interference	THF<2%;TIF<50

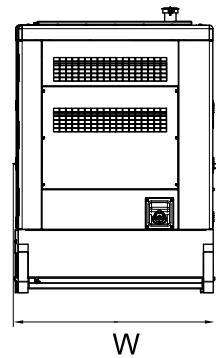
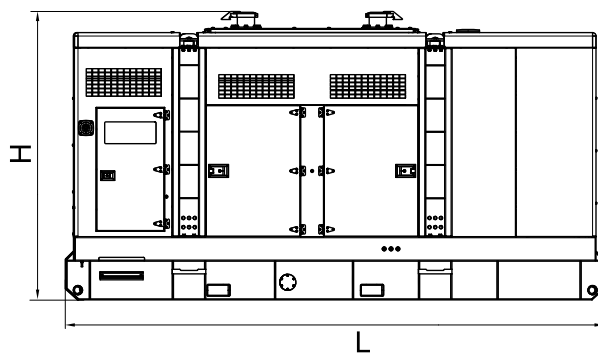
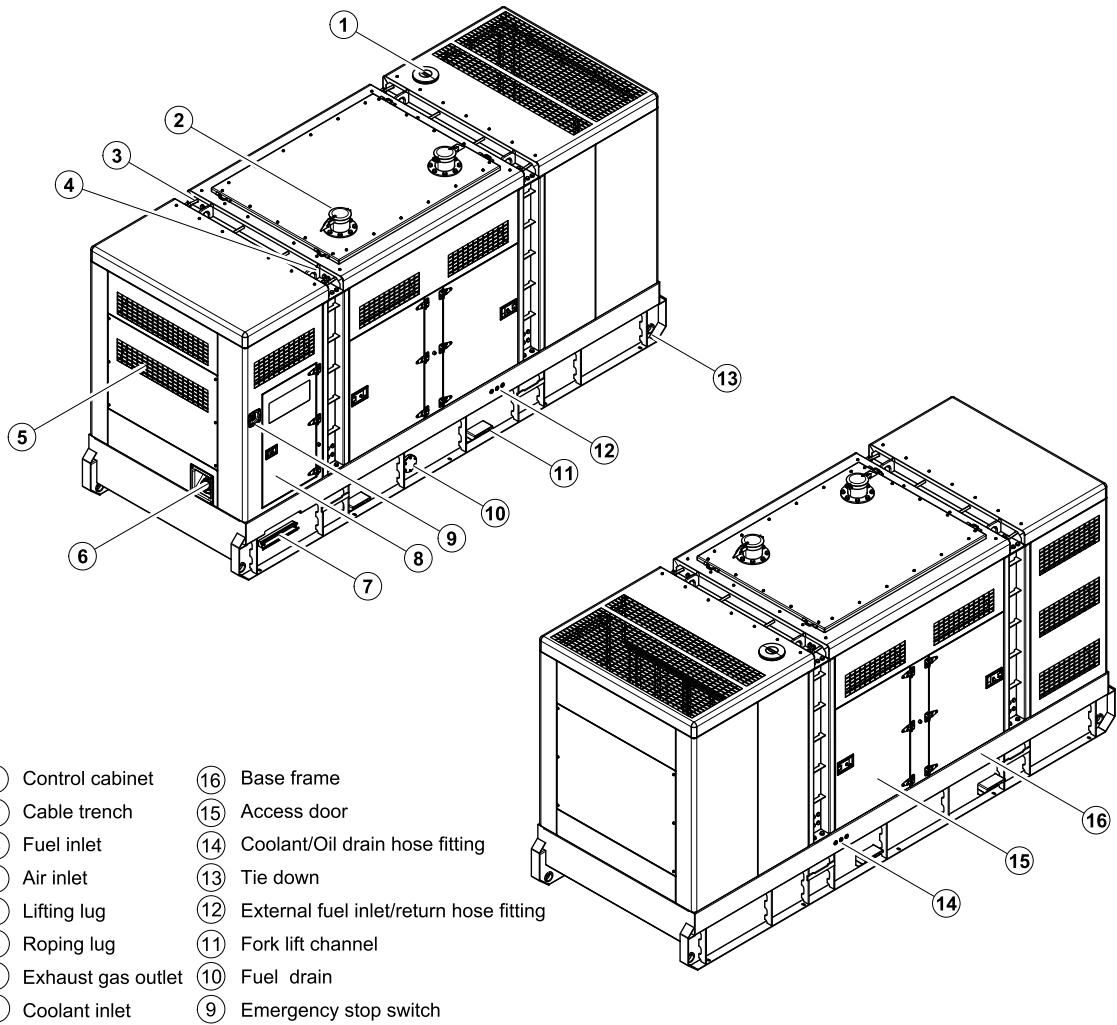
XC762 Control System



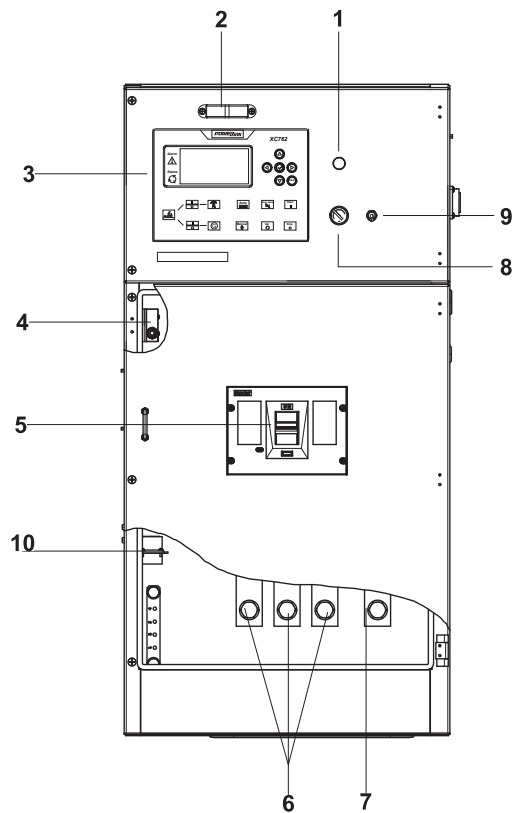
XC762 is an advanced control module based on micro-processor, containing all necessary functions for protection of the genset and the breaker control. It can monitor the mains supply, and automatically start the engine when the mains is abnormal. Accurately measure various operational parameters and display all values and alarms information on the LCD. In addition, the control module can automatically shut down the engine and indicate the engine failure.

- Microprocessor control, with high stability and credibility
- Monitoring and measuring operational parameters of the mains supply and genset
- Indicating operation status, fault conditions, all parameters and alarms
- Multiple protections; multiple parameters display, like pressure, temp. etc.
- Manual, automatic and remote work mode selectable
- Real time clock for time and date display, overall runtime display, 250 log entries
- Overall power output display
- Integral speed/frequency detecting, telling status of start, rated operation, overspeed etc.
- Communication with PC via RS485 OR RS232 interface, using MODBUS protocol

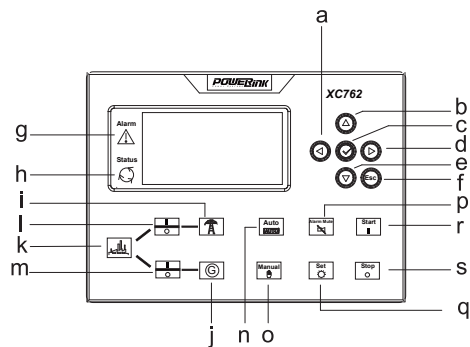
4 Overall Dimensions



5 Control System



Control & field wiring cabinet



Control module

Ref.	Description
1	Charge indicator
2	Control cabinet lamp
3	XC762 control module
4	Limit switch
5	Main circuit breaker
6	Live wire terminals
7	Neutral wire terminal
8	Key switch
9	Control cabinet lamp switch
10	Mains input/remote/AMF communication connector

a	Button (next page)
b	Button (increase value / previous item)
c	Button (accept)
d	Button (previous page)
e	Button (decrease value / next item)
f	Button (ESC)
g	Indicator (alarm)
h	Indicator (running)
i	Indicator (mains available)
j	Indicator (genset available)
k	Indicator (mains / genset ON)
l	Button (breaker ON / OFF)
m	Button (breaker ON / OFF)
n	Button (Auto mode)
o	Button (Manual mode)
p	Button (reset alarm)
q	Button (set parameters)
r	Button (start)
s	Button (stop)

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