T3 Diesel Generators

POWERLINK ENGINE

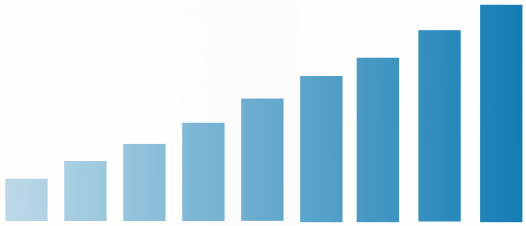
50HZ | 60HZ 60-800kVA

POWERLINK
Power Systems
Power Link the World

www.powerlinkworld.com

2021

SUMMARY OF T3 SERIES PRODUCTS



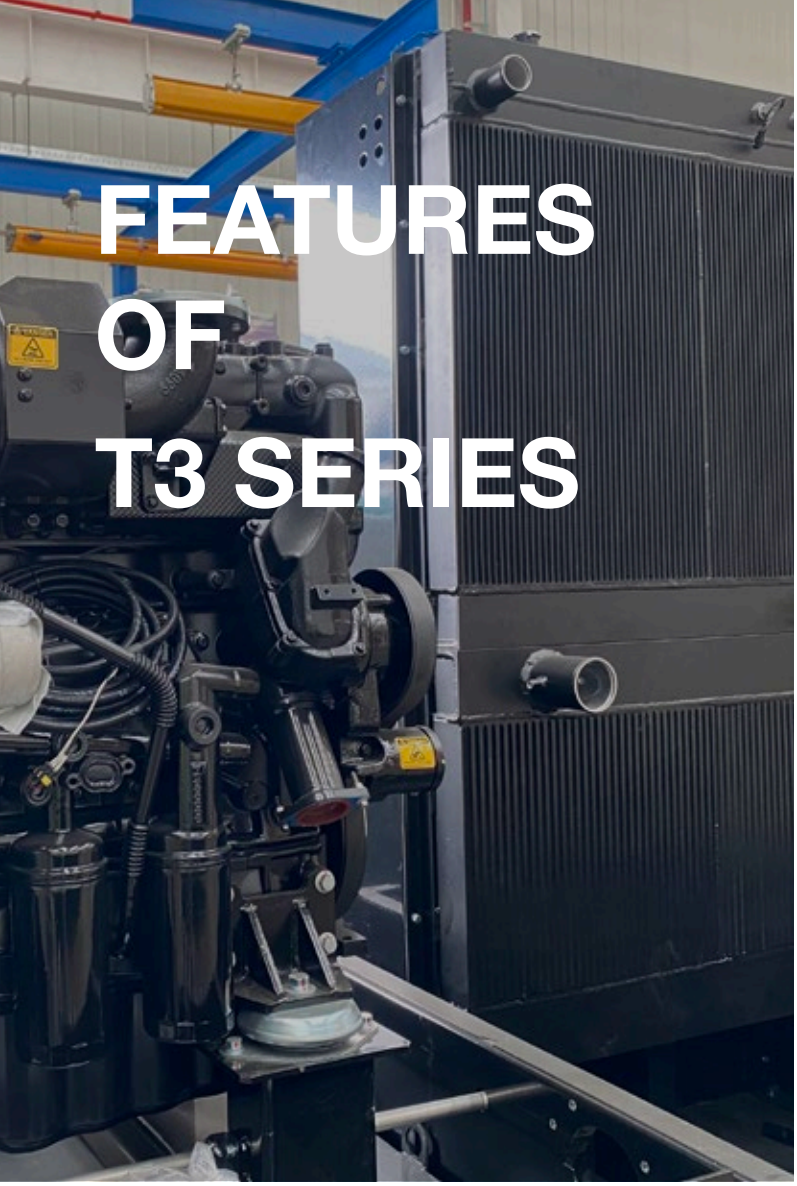
60 kVA

800kVA

Our T3 Series is a new line of generating sets equipped for the first time in PowerLink Diesel Generators. These generating sets benefit from unprecedented power density, making the T3 SERIES the ideal range to meet your most exacting requirements. Ranging from 60 kVA to 800 kVA they are perfectly suited to all industrial applications.We adopt our own PowerLink engines of high reliability and good performance. It has drawn on its experience of generating sets to develop the ideal PowerLink engine in each power category. Based on the accumulated power generation technology for many years, the company launched T3 series diesel generator sets with low noise, low emission and low fuel consumption, striving to improve the energy utilization environment.

PowerLink has been a global provider of energy equipment manufacturing since 2001. Its emergency power supply, main power supply and energy management systems excel throughout the world and across all sectors. PowerLink perfectly manages and controls the production cycle (engineering, tests, maintenance, etc.), pushing it to its highest possible standard. Moreover, they benefit from PowerLink quality service throughout the world.

CATALOGUE OF T3



FEATURES OF T3 SERIES

SPECIFIC BENEFITS IN EACH APPLICATION

- WATER AND WASTE TREATMENT
- DATA CENTRES
- HEALTHCARE FACILITIES
- OIL AND GAS
- INDUSTRY MINING
- TRANSPORT CONSTRUCTION
- POWER PLANT
- GOVERNMENT/ MILITARY
- TELE-COMMUNICATIONS

Low Emissions

Stage IIIA, meeting EU and USA diesel generator set emission standards.

Low-noise design

Noise level of 100kVA unit at 75% load < 67dBA@7m.

Easy integration

Plug and easy to use, fast start, can run at full power in 10-15s.

Day-to-day reliability

With robust engines feature top-liner cooling, efficient lubrication, and robust cooling systems for reliable operation.

Efficient operation

With ECU and high pressure common rail technology, the fuel consumption rate is less than 198mg / kWh.

Operation durability

Equipped with large capacity oil tank, the continuous operation time is more than 24 hours @ 75% load.

COMPLIANT WITH STAGE IIIA REGULATION AND STANDARDS

- NOISE EMISSION STANDARDS
- ENGINES STAGE IIIA STANDARD
- ISO8528, GB2820 + UPDATE

BETTER ENGINES

To reach these higher emission standards, it adopts Stage IIIA PowerLink Engines . The units range up to 750 kVA using constructive solutions and different setups depending on the size.

LOW ACOUSTIC AND CO2 EMISSIONS

All generators manufactured comply with the latest North American standards for noise and emissions. All gensets in this range are certified for acoustic emissions and have high heat exchange performace.

STANDARD OR CUSTOMIZED: MAKE YOUR CHOICE

Choosing a customized or standard version is one of the first questions when you look for your genset. Both are excellent choice. Our lean manufacturing approach allows us to optimize our standard production or customization of our products.

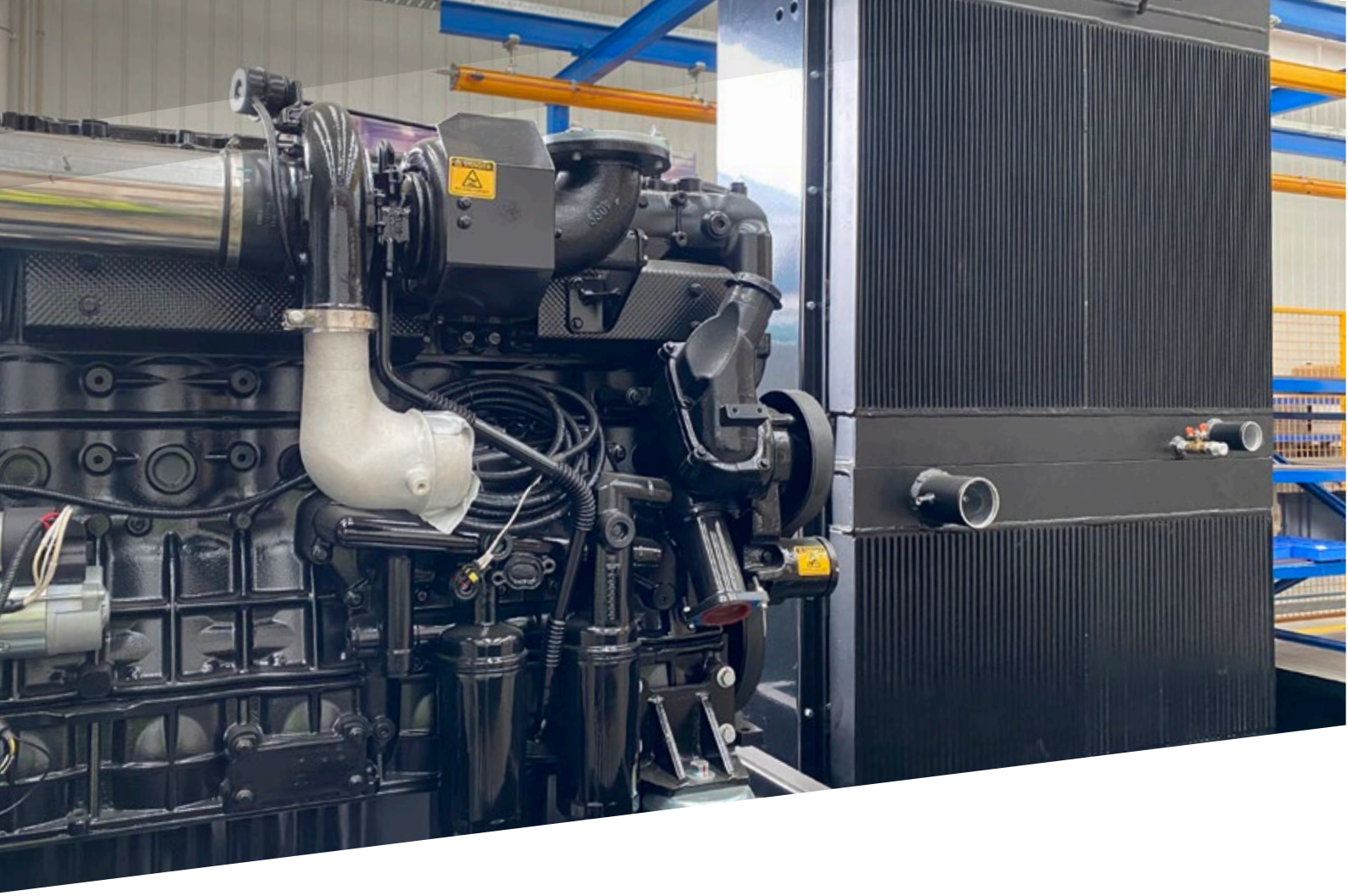
NEW GENERATION POWERLINK ENGINES DEDICATED TO HIGH POWER GENERATING SETS

PowerLink diesel engines offer the best power/compactness/consumption ratio on the market, guaranteeing optimal performance at low operating costs.

This efficiency results from perfect compatibility between the injection system and the engine control unit (ECU).

Fuel-water separator

Engine control unit (ECU)



CONCENTRATED POWEROPTIMAL CONTROL OF THE INJECTION SYSTEM

OPTIMISED SOUND LEVEL AND VIBRATIONS

The use of components common to all models means that stock is rationalised, maintenance facilitated and training simplified.

A sleek, minimal design ensures better accessibility to components for optimised maintenance. It all helps to reduce costs.

The materials have been selected for their high-tech qualities and strength.

The products therefore benefit from excellent strength, even for the most demanding projects.

PLUG AND PLAY

EASY TO USE SIMPLE INSTALL PLUG & PLAY
BUILT-IN FUEL TANK FOR SAFE REFILLING

- QUICK AND EASY CONNECTION
- READY TO USE!

Large fuel tank

Convenient output socket

THE POLLUTANT EMISSIONS, HOW POWERLINK IS READY FOR EU STAGE IIIA

Equipped with PowerLink Engine

PowerLink systematically adopted new technologies and integrated them with our field-proven solutions to meet each regulatory level — giving OEMs and operators more choices for applying engine power.

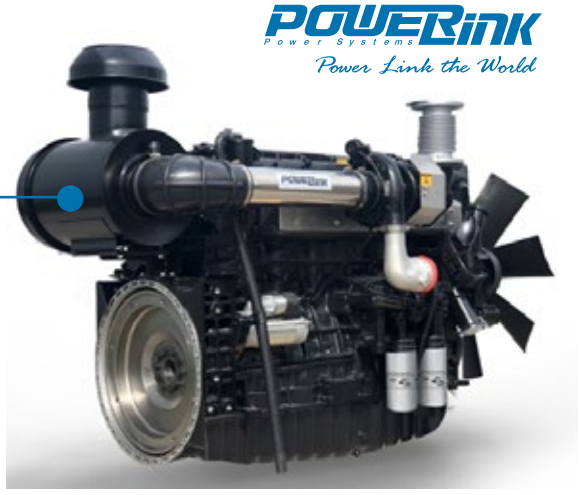
STAGE III T3 COMPLIANT

THESE DIAGRAMS SHOW HOW NEW TECHNOLOGIES WERE ADDED, BUT DO NOT REPRESENT ALL CONFIGURATIONS.

Low Emission

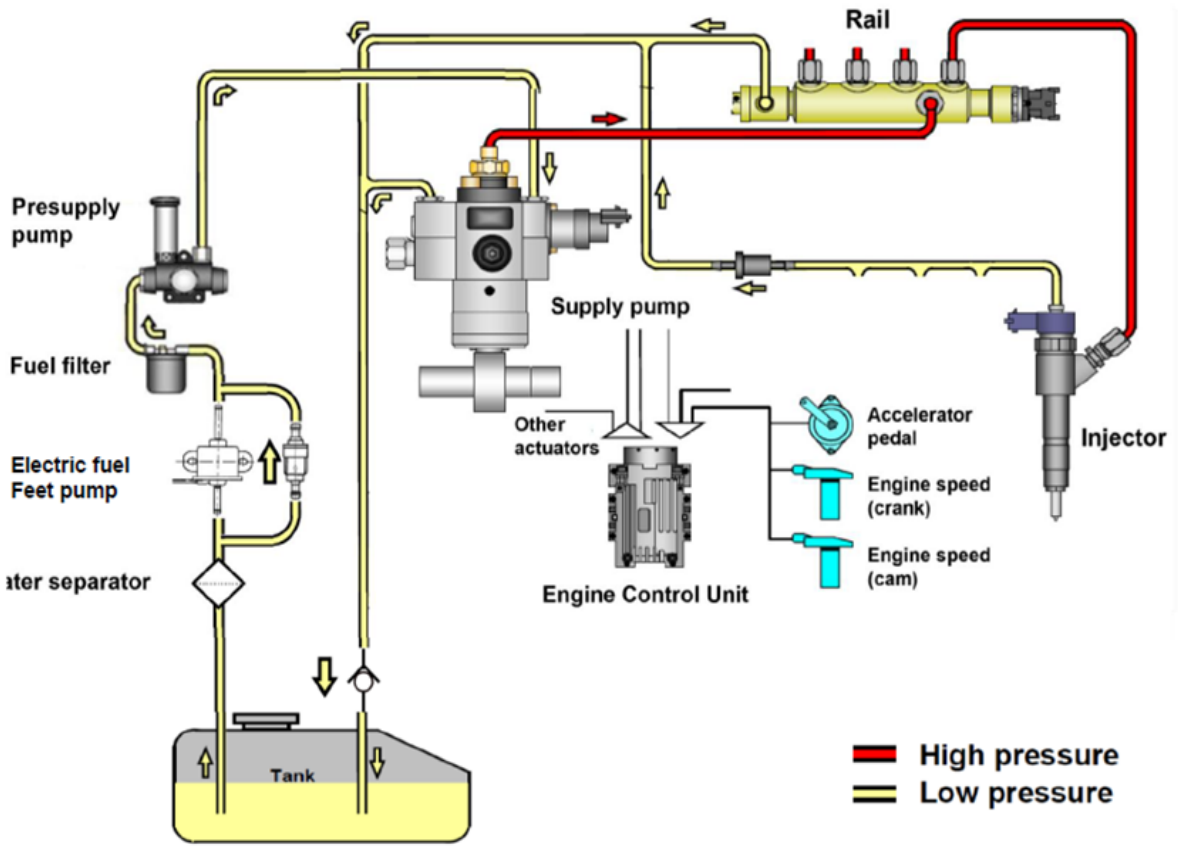
Fuel Efficiency

Day-to-day Reliability



Stage III A

- Electronic unit injector (EUI)
- High-pressure common-rail (HPCR) fuel system
- Air-to-air aftercooled
- Variable geometry turbocharger (VGT)



ENGINE POWER	STAGE IIIA EMISSION STANDARD (g/kwh)
From 18 to 37 kw	7.5 NOx+HC / 5.5 CO / 0.6 PM
From 37 to 56 kw	4.7 NOx+HC / 5.0 CO / 0.4 PM
From 56 to 75 kw	4.7 NOx+HC / 5.0 CO / 0.4 PM
From 75 to 130 kw	4.0 NOx+HC / 5.0 CO / 0.4 PM
From 130 to 560 kw	4.0 NOx+HC / 3.5 CO / 0.2 PM

DESCRIPTION OF STANDARD CONFIGURATION OF T3 SERIES

Engine control unit (ECU)

Fuel system is controlled by ECU. The engine can accurately control the injection fuel pressure and quantity according to different working conditions.

High pressure common rail

High pressure fuel is stored in the rail to restrain pressure fluctuation and enhance fuel atomization ability.

XC762 controller

It includes various protection functions and circuit breaker control functions, which can monitor the mains in real time and start the genset automatically when the mains is abnormal.

ATS connector

It connects to the mains. The genset would start automatically and supply power to the loads when the mains is abnormal.

Fuel-water separator

Fully filter water and impurities in fuel to improve fuel quality.

Fuel three way valve

Transfer the engine fuel supply system freely between the internal tank and external tank.

High temperature protective sleeve

Isolate high temperature parts to prevent accidental scalding.

Oil drain pump

Drain oil from the engine pan manually, easy to operate.

Sealing and waterproof door

High performance rubber sealing rings are installed around all doors to prevent water penetration. And the canopy and doors are made of galvanized sheets, which are corrosion-resistant and have no welding seam to ensure no water seepage.

Rainproof and dustproof air inlet

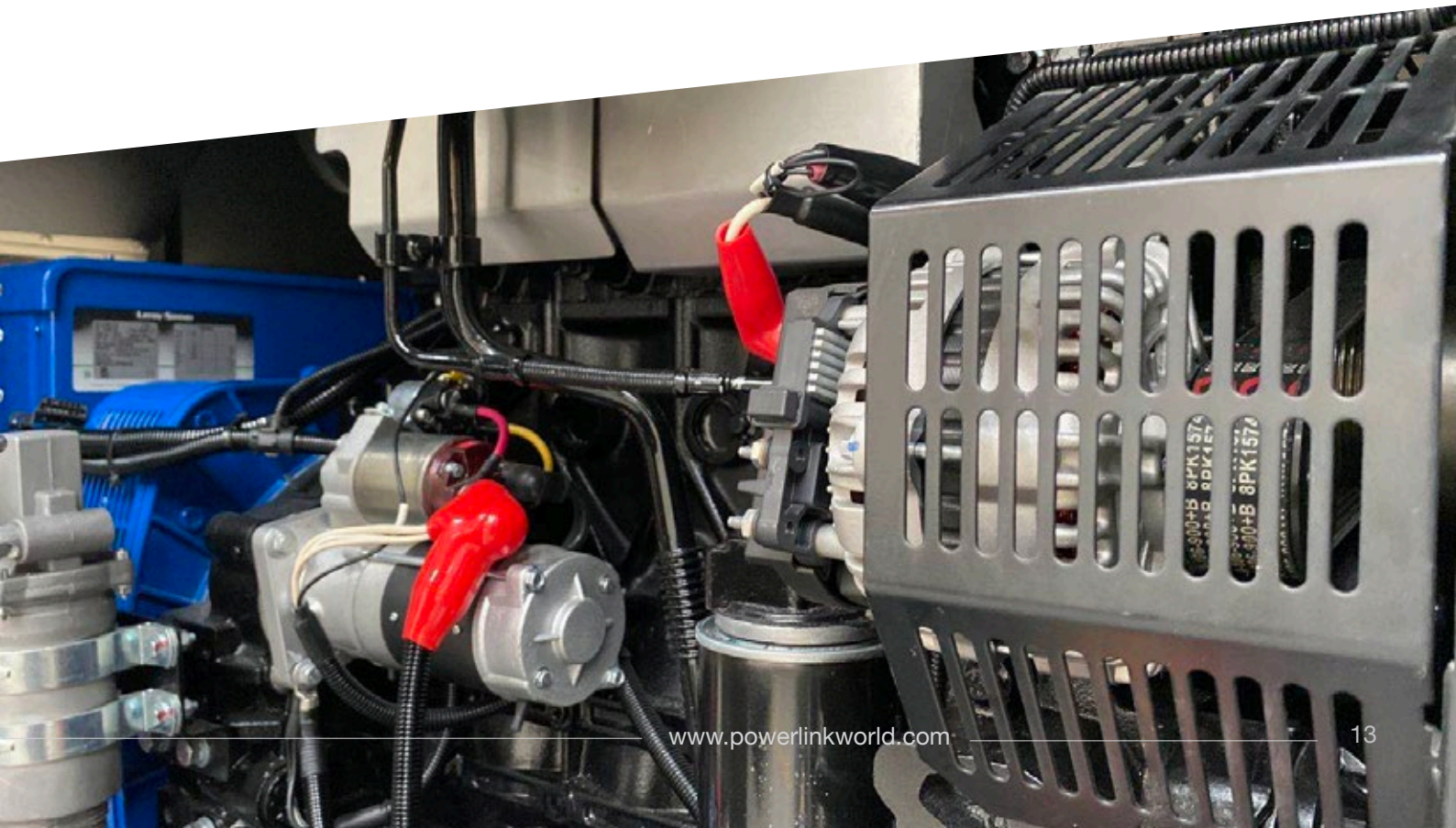
The air intake is sufficient and can prevent the infiltration of rain, dust or sand.

Battery negative switch

It can break the battery quickly and reliably, and ensures the genset safe.

Stainless steel box lock

Reliable performance, corrosion resistance, long service life.



DESCRIPTION OF OPTIONAL CONFIGURATION OF T3 SERIES

PLC7420 controller

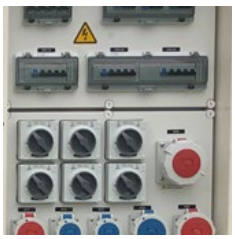
It includes various protection functions and circuit breaker control functions, which can monitor the mains in real time and start the genset automatically when the mains is abnormal.

Remote controller

PLC890 controller has three remote control functions of telemetry, remote signaling and remote control, which can be used for remote maintenance and fault diagnosis. Support online and offline service systems are provided for customer, or alternatively use the mobile app program control available.

Parallel / grid connected controller

PLC500 controller is used for paralleling multiple gensets, and the control system automatically distributes the output according to the total load powe. It can also control a single genset connected to the grid.



Convenient output socket

Provide convenient and rapid power output. Each output has an independent circuit breaker and leakage protector. European standard or Auatralia standard socket can be selected.

4P main circuit breaker

High quality ABB main circuit breaker, breaking quickly, safe and reliable.

Permanent magnet generator (PMG)

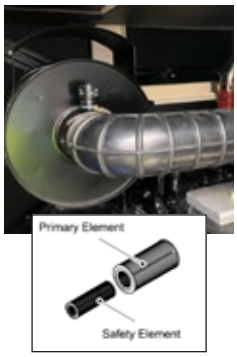
PMG can provide stable and reliable power supply for AVR with timely response. It can provide 300% rated current in case of short circuit and maintain for 5-10 seconds.

Three times insulation dip painting of generator winding

It is suitable for high humidity and salt spray corrosion environment with high insulation and reliability.

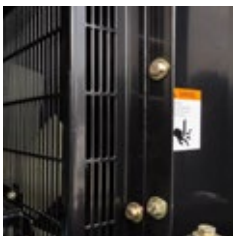
Jacket water preheater

The engine can start up quickly under low temperature environment to ensure normal operation of the genset.



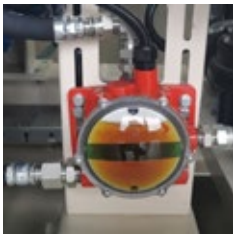
Heavy duty air filter

Double filter elements are adopted to enhance air purification ability and remove dust, particles and other solid impurities.



Anti salt spray radiator

The radiator core is made of special material and technology, which has strong corrosion resistance and ensures no leakage of coolant. It is suitable for salt spray corrosive atmosphere such as ports or seaside.



Automatic oil filling system

Equipped with daily oil tank and oil level switch, it can automatically fill the oil for the engine, ensure long-term continuous operation, and does not need to stop the engine to replenish oil.

Large fuel tank

Double-layer fuel tank, leak proof design, fully enclosed base frame. The tank capacity can meet the requirement of 24hrs continuous running.

Galvanized base frame

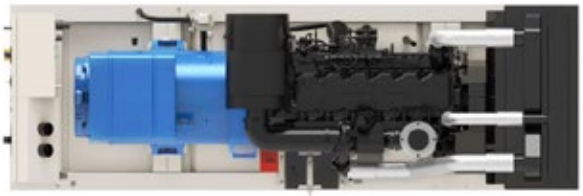
High strength base frame with hot galvanizing process is adopted to enhance corrosion resistance and is suitable for salt spray corrosive atmosphere.

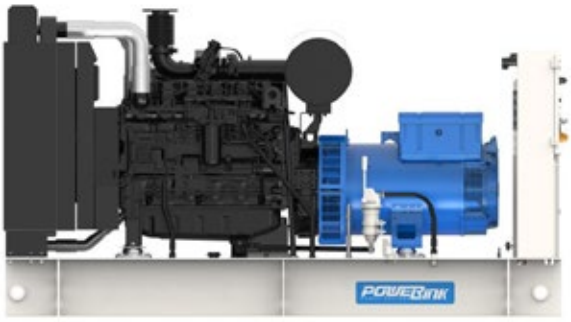
Trailer

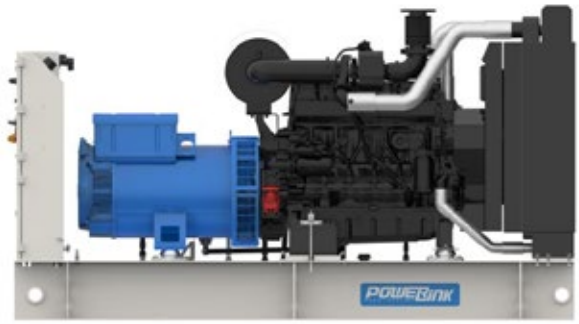
The modular combination structure is adopted, which is convenient to install and move, and can be put into use quickly.

NEW GENERATION POWERLINK ENGINES DEDICATED TO HIGH POWER GENERATING SETS

FROM 60KVA TO 800KVA







Product Model	Prime Power		Standby Power		Engine Model	Fuel Cons.@75% load	Noise Level dB (A) @7m
	kVA	kW	kVA	kW			
T60X/S	60	48	66	53	QSE2.8-G2	10.4	70
T100X/S	100	80	110	88	QSE4.3-G2	16.5	70.2
T125X/S	125	100	138	110	QSE4.3-G3	16.5	71.6
T175X/S	175	140	193	154	QSE6.5-G2	26.9	72.5
T200X/S	200	160	220	176	QSE6.5-G3	26.9	74.3
T250X/S	250	200	275	220	QSE9-G3	44.3	74.7
T312X/S	313	250	344	275	QSE12-G2	54.1	73.5
T375X/S	375	300	375	300	QSE12-G3	68	73.7
T500X/S	500	400	500	400	QSE16-G2	86.5	75.3
T625X/S	625	500	625	500	QSE25-G2	104.4	75.6
T800X/S	800	640	880	704	QSE25-G3	124.4	76.3

Functionality and robustness are the key ingredients of PowerLink T3 series generating sets.Born to work under the most demanding conditions, meeting each regulatory tier with emission reduction.

T60X/S

60kVA

KEY SPECS

Continuous Power (PRP)	60	kVA
Continuous Power (PRP)	48	kW
Stand-by Power (LTP)	66	kVA
Stand-by Power (LTP)	53	kW
Voltage·Frequency·Power Factor	400-415V, 50Hz, 0.8	
LwA Measured sound power level	98.0	dBA
Sound pressure 7 metres	70.0	dBA

ENGINE

Engine brand	PowerLink	
Engine model	QSE2.8-G2	
Cylinders	4	
Speed	1500	r.p.m.
Cubic capacity	3.2	l
Air intake	Turbocharged	
Intake resistance.	≤8	kPa
Standard voltage	12	Vdc
Cooling	Water	
Flywheel P.R.P. Power	55	kW
Flywheel Stand-by Power	61	kW
Fuel Cons. at 110% (L.T.P.)	15.2	1/h
Fuel Cons. at 100% (P.R.P)	13.6	1/h
Fuel Cons. at 75% (P.R.P.)	9.9	1/h
Fuel Cons. at 50% (P.R.P.)	6.9	1/h
Fuel Cons. at 25% (P.R.P.)	/	1/h
Engine speed regulator	ECU	
Fuel injection	High pressure common rail	
Oil quantity	6	l
Engine Antifreeze capacity	10.2	l
Back pressure	≤10	kPa
Emissions	STAGE III	

DIMENSIONS AND WEIGHT

Width	1080	mm
Length	2338	mm
Height	1551	mm
Weight	1350	kg

ALTERNATOR

Alternator brand	Leroy Somer	
Alternator model	LSA42.3L9	
P.R.P. Power	60	kVA
L.T.P. Power	66	kVA
Connection	Series Star	
Phases	3P+N	
Winding	12 term. W 311	
Terminal Number	12	
IP Protection	23	
Electronic regulator	R220	
Precision	±0.5%	

BASEFRAME

Long range fuel tank	180	l
Hours of operation at 75% of load	18	h

T100X/S

100kVA

KEY SPECS

Continuous Power (PRP)	100	kVA
Continuous Power (PRP)	80	kW
Stand-by Power (LTP)	110	kVA
Stand-by Power (LTP)	88	kW
Voltage·Frequency·Power Factor	400-415V, 50Hz, 0.8	
LwA Measured sound power level	98.2	dBA
Sound pressure 7 metres	70.2	dBA

ENGINE

Engine brand	PowerLink	
Engine model	QSE4.3-G2	
Cylinders	4	
Speed	1500	r.p.m.
Cubic capacity	4.3	l
Air intake	Turbocharged	
Intake resistance.	≤8	kPa
Standard voltage	24	Vdc
Cooling	Water	
Flywheel P.R.P. Power	95	kW
Flywheel Stand-by Power	105	kW
Fuel Cons. at 110% (L.T.P.)	25	1/h
Fuel Cons. at 100% (P.R.P)	22.4	1/h
Fuel Cons. at 75% (P.R.P.)	16.3	1/h
Fuel Cons. at 50% (P.R.P.)	11.2	1/h
Fuel Cons. at 25% (P.R.P.)	/	1/h
Engine speed regulator	ECU	
Fuel injection	High pressure common rail	
Oil quantity	13	l
Engine Antifreeze capacity	6.8	l
Back pressure	≤10	kPa
Emissions	STAGE III	

DIMENSIONS AND WEIGHT

Width	1212	mm
Length	3142	mm
Height	1712	mm
Weight	2064	kg

ALTERNATOR

Alternator brand	Leroy Somer	
Alternator model	LSA44.3S5	
P.R.P. Power	100	kVA
L.T.P. Power	110	kVA
Connection	Series Star	
Phases	3P+N	
Winding	12 term. W 311	
Terminal Number	12	
IP Protection	23	
Electronic regulator	R250	
Precision	±0.5%	

BASEFRAME

Long range fuel tank	240	l
Hours of operation at 75% of load	15	h

T125X/S

125kVA

KEY SPECS

Continuous Power (PRP)	125	kVA
Continuous Power (PRP)	100	kW
Stand-by Power (LTP)	138	kVA
Stand-by Power (LTP)	110	kW
Voltage·Frequency·Power Factor	400-415V, 50Hz, 0.8	
LwA Measured sound power level	99.6	dBA
Sound pressure 7 metres	71.6	dBA

ENGINE

Engine brand	PowerLink	
Engine model	QSE4.3-G3	
Cylinders	4	
Speed	1500	r.p.m.
Cubic capacity	4.3	l
Air intake	Turbocharged	
Intake resistance.	≤8	kPa
Standard voltage	24	Vdc
Cooling	Water	
Flywheel P.R.P. Power	125	kW
Flywheel Stand-by Power	140	kW
Fuel Cons. at 110% (L.T.P.)	32.8	1/h
Fuel Cons. at 100% (P.R.P)	29.4	1/h
Fuel Cons. at 75% (P.R.P.)	21.5	1/h
Fuel Cons. at 50% (P.R.P.)	14.8	1/h
Fuel Cons. at 25% (P.R.P.)	/	1/h
Engine speed regulator	ECU	
Fuel injection	High pressure common rail	
Oil quantity	13	l
Engine Antifreeze capacity	6.8	l
Back pressure	≤10	kPa
Emissions	STAGE III	

DIMENSIONS AND WEIGHT

Width	1250	mm
Length	3312	mm
Height	1974	mm
Weight	2225	kg

ALTERNATOR

Alternator brand	Leroy Somer	
Alternator model	LSA44.3M6	
P.R.P. Power	125	kVA
L.T.P. Power	138	kVA
Connection	Series Star	
Phases	3P+N	
Winding	12 term. W 311	
Terminal Number	12	
IP Protection	23	
Electronic regulator	R250	
Precision	±0.5%	

BASEFRAME

Long range fuel tank	420	l
Hours of operation at 75% of load	20	h

T175X/S

175kVA

KEY SPECS

Continuous Power (PRP)	175	kVA
Continuous Power (PRP)	140	kW
Stand-by Power (LTP)	193	kVA
Stand-by Power (LTP)	154	kW
Voltage·Frequency·Power Factor	400-415V, 50Hz, 0.8	
LwA Measured sound power level	100.5	dBA
Sound pressure 7 metres	72.5	dBA

ENGINE

Engine brand	PowerLink	
Engine model	QSE6.5-G2	
Cylinders	6	
Speed	1500	r.p.m.
Cubic capacity	6.5	l
Air intake	Turbocharged	
Intake resistance.	≤8	kPa
Standard voltage	24	Vdc
Cooling	Water	
Flywheel P.R.P. Power	155	kW
Flywheel Stand-by Power	170	kW
Fuel Cons. at 110% (L.T.P.)	40.7	1/h
Fuel Cons. at 100% (P.R.P)	36.5	1/h
Fuel Cons. at 75% (P.R.P.)	26.7	1/h
Fuel Cons. at 50% (P.R.P.)	18.3	1/h
Fuel Cons. at 25% (P.R.P.)	/	1/h
Engine speed regulator	ECU	
Fuel injection	High pressure common rail	
Oil quantity	17.5	l
Engine Antifreeze capacity	9.6	l
Back pressure	≤10	kPa
Emissions	STAGE III	

DIMENSIONS AND WEIGHT

Width	1300	mm
Length	3438	mm
Height	1868	mm
Weight	2630	kg

ALTERNATOR

Alternator brand	Leroy Somer	
Alternator model	LSA44.3VL13	
P.R.P. Power	180	kVA
L.T.P. Power	200	kVA
Connection	Series Star	
Phases	3P+N	
Winding	12 term. W 311	
Terminal Number	12	
IP Protection	23	
Electronic regulator	R250	
Precision	±0.5%	

BASEFRAME

Long range fuel tank	420	l
Hours of operation at 75% of load	16	h

T200X/S

200kVA

KEY SPECS

Continuous Power (PRP)	200	kVA
Continuous Power (PRP)	160	kW
Stand-by Power (LTP)	220	kVA
Stand-by Power (LTP)	176	kW
Voltage·Frequency·Power Factor	400-415V, 50Hz, 0.8	
LwA Measured sound power level	102.3	dBA
Sound pressure 7 metres	74.3	dBA

ENGINE

Engine brand	PowerLink	
Engine model	QSE6.5-G3	
Cylinders	6	
Speed	1500	r.p.m.
Cubic capacity	6.5	l
Air intake	Turbocharged	
Intake resistance.	≤8	kPa
Standard voltage	24	Vdc
Cooling	Water	
Flywheel P.R.P. Power	186	kW
Flywheel Stand-by Power	205	kW
Fuel Cons. at 110% (L.T.P.)	48.9	1/h
Fuel Cons. at 100% (P.R.P)	43.8	1/h
Fuel Cons. at 75% (P.R.P.)	32	1/h
Fuel Cons. at 50% (P.R.P.)	22	1/h
Fuel Cons. at 25% (P.R.P.)	/	1/h
Engine speed regulator	ECU	
Fuel injection	High pressure common rail	
Oil quantity	17.5	l
Engine Antifreeze capacity	9.6	l
Back pressure	≤10	kPa
Emissions	STAGE III	

DIMENSIONS AND WEIGHT

Width	1322	mm
Length	3588	mm
Height	1840	mm
Weight	2693	kg

ALTERNATOR

Alternator brand	Leroy Somer	
Alternator model	LSA44.3VL14	
P.R.P. Power	200	kVA
L.T.P. Power	220	kVA
Connection	Series Star	
Phases	3P+N	
Winding	12 term. W 311	
Terminal Number	12	
IP Protection	23	
Electronic regulator	R250	
Precision	±0.5%	

BASEFRAME

Long range fuel tank	420	l
Hours of operation at 75% of load	13	h

T250X/S

250kVA

KEY SPECS

Continuous Power (PRP)	250	kVA
Continuous Power (PRP)	200	kW
Stand-by Power (LTP)	275	kVA
Stand-by Power (LTP)	220	kW
Voltage·Frequency·Power Factor	400-415V, 50Hz, 0.8	
LwA Measured sound power level	98.0	dBA
Sound pressure 7 metres	70.0	dBA

ENGINE

Engine brand	PowerLink	
Engine model	QSE9-G3	
Cylinders	6	
Speed	1500	r.p.m.
Cubic capacity	8.9	l
Air intake	Turbocharged	
Intake resistance.	≤8	kPa
Standard voltage	24	Vdc
Cooling	Water	
Flywheel P.R.P. Power	230	kW
Flywheel Stand-by Power	253	kW
Fuel Cons. at 110% (L.T.P.)	60.4	1/h
Fuel Cons. at 100% (P.R.P)	54.1	1/h
Fuel Cons. at 75% (P.R.P.)	39.6	1/h
Fuel Cons. at 50% (P.R.P.)	27.2	1/h
Fuel Cons. at 25% (P.R.P.)	/	1/h
Engine speed regulator	ECU	
Fuel injection	High pressure common rail	
Oil quantity	25	l
Engine Antifreeze capacity	12	l
Back pressure	≤10	kPa
Emissions	STAGE III	

DIMENSIONS AND WEIGHT

Width	1322	mm
Length	3662	mm
Height	1960	mm
Weight	2872	kg

ALTERNATOR

Alternator brand	Leroy Somer	
Alternator model	LSA46.3S5	
P.R.P. Power	250	kVA
L.T.P. Power	275	kVA
Connection	Series Star	
Phases	3P+N	
Winding	12 term. W 311	
Terminal Number	12	
IP Protection	23	
Electronic regulator	R250	
Precision	±0.5%	

BASEFRAME

Long range fuel tank	520	l
Hours of operation at 75% of load	13	h

T312X/S

313kVA

KEY SPECS

Continuous Power (PRP)	313	kVA
Continuous Power (PRP)	250	kW
Stand-by Power (LTP)	344	kVA
Stand-by Power (LTP)	275	kW
Voltage·Frequency·Power Factor	400-415V, 50Hz, 0.8	
LwA Measured sound power level	101.5	dBA
Sound pressure 7 metres	73.5	dBA

ENGINE

Engine brand	PowerLink	
Engine model	QSE12-G2	
Cylinders	6	
Speed	1500	r.p.m.
Cubic capacity	11.8	l
Air intake	Turbocharged	
Intake resistance.	≤8	kPa
Standard voltage	24	Vdc
Cooling	Water	
Flywheel P.R.P. Power	280	kW
Flywheel Stand-by Power	308	kW
Fuel Cons. at 110% (L.T.P.)	73.6	1/h
Fuel Cons. at 100% (P.R.P)	65.9	1/h
Fuel Cons. at 75% (P.R.P.)	48.2	1/h
Fuel Cons. at 50% (P.R.P.)	33.1	1/h
Fuel Cons. at 25% (P.R.P.)	/	1/h
Engine speed regulator	ECU	
Fuel injection	High pressure common rail	
Oil quantity	41	l
Engine Antifreeze capacity	23.2	l
Back pressure	≤10	kPa
Emissions	STAGE III	

DIMENSIONS AND WEIGHT

Width	1464	mm
Length	4242	mm
Height	2312	mm
Weight	4560	kg

ALTERNATOR

Alternator brand	Leroy Somer	
Alternator model	LSA46.3L10	
P.R.P. Power	325	kVA
L.T.P. Power	358	kVA
Connection	Series Star	
Phases	3P+N	
Winding	12 term. W 311	
Terminal Number	12	
IP Protection	23	
Electronic regulator	R250	
Precision	±0.5%	

BASEFRAME

Long range fuel tank	800	l
Hours of operation at 75% of load	17	h

T375X/S

375kVA

KEY SPECS

Continuous Power (PRP)	375	kVA
Continuous Power (PRP)	300	kW
Stand-by Power (LTP)	413	kVA
Stand-by Power (LTP)	330	kW
Voltage·Frequency·Power Factor	400-415V, 50Hz, 0.8	
LwA Measured sound power level	101.7	dBA
Sound pressure 7 metres	73.7	dBA

ENGINE

Engine brand	PowerLink	
Engine model	QSE12-G3	
Cylinders	6	
Speed	1500	r.p.m.
Cubic capacity	11.8	l
Air intake	Turbocharged	
Intake resistance.	≤8	kPa
Standard voltage	24	Vdc
Cooling	Water	
Flywheel P.R.P. Power	340	kW
Flywheel Stand-by Power	380	kW
Fuel Cons. at 110% (L.T.P.)	89.3	1/h
Fuel Cons. at 100% (P.R.P)	80	1/h
Fuel Cons. at 75% (P.R.P.)	58.5	1/h
Fuel Cons. at 50% (P.R.P.)	40.2	1/h
Fuel Cons. at 25% (P.R.P.)	/	1/h
Engine speed regulator	ECU	
Fuel injection	High pressure common rail	
Oil quantity	41	l
Engine Antifreeze capacity	23.2	l
Back pressure	≤10	kPa
Emissions	STAGE III	

DIMENSIONS AND WEIGHT

Width	1464	mm
Length	4100	mm
Height	2305	mm
Weight	4550	kg

ALTERNATOR

Alternator brand	Leroy Somer	
Alternator model	LSA47.2S4	
P.R.P. Power	410	kVA
L.T.P. Power	450	kVA
Connection	Series Star	
Phases	3P+N	
Winding	12 term. W 311	
Terminal Number	12	
IP Protection	23	
Electronic regulator	R250	
Precision	±0.5%	

BASEFRAME

Long range fuel tank	800	l
Hours of operation at 75% of load	14	h

POWERLINK
STAGE III CERTIFIED
Blue Tech
ECO Products

T500X/S

500kVA

KEY SPECS

Continuous Power (PRP)	500	kVA
Continuous Power (PRP)	400	kW
Stand-by Power (LTP)	550	kVA
Stand-by Power (LTP)	440	kW
Voltage·Frequency·Power Factor	400-415V, 50Hz, 0.8	
LwA Measured sound power level	102.9	dBA
Sound pressure 7 metres	74.9	dBA

ENGINE

Engine brand	PowerLink	
Engine model	QSE16-G2	
Cylinders	6	
Speed	1500	r.p.m.
Cubic capacity	16.35	l
Air intake	Turbocharged	
Intake resistance.	≤8	kPa
Standard voltage	24	Vdc
Cooling	Water	
Flywheel P.R.P. Power	441	kW
Flywheel Stand-by Power	485	kW
Fuel Cons. at 110% (L.T.P.)	115.9	1/h
Fuel Cons. at 100% (P.R.P)	103.8	1/h
Fuel Cons. at 75% (P.R.P.)	75.9	1/h
Fuel Cons. at 50% (P.R.P.)	52.1	1/h
Fuel Cons. at 25% (P.R.P.)	/	1/h
Engine speed regulator	ECU	
Fuel injection	High pressure common rail	
Oil quantity	52	l
Engine Antifreeze capacity	10.2	l
Back pressure	≤10	kPa
Emissions	STAGE III	

DIMENSIONS AND WEIGHT

Width	1535	mm
Length	4592	mm
Height	2555	mm
Weight	5265	kg

ALTERNATOR

Alternator brand	Leroy Somer	
Alternator model	LSA47.2M7	
P.R.P. Power	500	kVA
L.T.P. Power	570	kVA
Connection	Series Star	
Phases	3P+N	
Winding	12 term. W 311	
Terminal Number	12	
IP Protection	23	
Electronic regulator	R250	
Precision	±0.5%	

BASEFRAME

Long range fuel tank	1020	l
Hours of operation at 75% of load	13	h

T625X/S

625kVA

KEY SPECS

Continuous Power (PRP)	625	kVA
Continuous Power (PRP)	500	kW
Stand-by Power (LTP)	688	kVA
Stand-by Power (LTP)	550	kW
Voltage·Frequency·Power Factor	400-415V, 50Hz, 0.8	
LwA Measured sound power level	103.6	dBA
Sound pressure 7 metres	75.6	dBA

ENGINE

Engine brand	PowerLink	
Engine model	QSE25-G2	
Cylinders	6	
Speed	1500	r.p.m.
Cubic capacity	19.6	l
Air intake	Turbocharged	
Intake resistance.	≤8	kPa
Standard voltage	24	Vdc
Cooling	Water	
Flywheel P.R.P. Power	561	kW
Flywheel Stand-by Power	616	kW
Fuel Cons. at 110% (L.T.P.)	146.7	1/h
Fuel Cons. at 100% (P.R.P)	131.3	1/h
Fuel Cons. at 75% (P.R.P.)	69	1/h
Fuel Cons. at 50% (P.R.P.)	66	1/h
Fuel Cons. at 25% (P.R.P.)	/	1/h
Engine speed regulator	ECU	
Fuel injection	High pressure common rail	
Oil quantity	6	l
Engine Antifreeze capacity	55	l
Back pressure	≤10	kPa
Emissions	STAGE III	

DIMENSIONS AND WEIGHT

Width	1763	mm
Length	4692	mm
Height	2516	mm
Weight	6482	kg

ALTERNATOR

Alternator brand	Leroy Somer	
Alternator model	LSA49.3S4A	
P.R.P. Power	660	kVA
L.T.P. Power	745	kVA
Connection	Series Star	
Phases	3P+N	
Winding	12 term. W 311	
Terminal Number	12	
IP Protection	23	
Electronic regulator	D350	
Precision	±0.5%	

BASEFRAME

Long range fuel tank	1450	l
Hours of operation at 75% of load	21	h

T800X/S

750kVA

KEY SPECS

Continuous Power (PRP)	800	kVA
Continuous Power (PRP)	640	kW
Stand-by Power (LTP)	880	kVA
Stand-by Power (LTP)	704	kW
Voltage·Frequency·Power Factor	400-415V, 50Hz, 0.8	
LwA Measured sound power level	104.3	dBA
Sound pressure 7 metres	76.3	dBA

ENGINE

Engine brand	PowerLink	
Engine model	QSE25-G3	
Cylinders	6	
Speed	1500	r.p.m.
Cubic capacity	19.6	l
Air intake	Turbocharged	
Intake resistance.	≤8	kPa
Standard voltage	24	Vdc
Cooling	Water	
Flywheel P.R.P. Power	668	kW
Flywheel Stand-by Power	735	kW
Fuel Cons. at 110% (L.T.P.)	175.5	1/h
Fuel Cons. at 100% (P.R.P)	157.2	1/h
Fuel Cons. at 75% (P.R.P.)	114.9	1/h
Fuel Cons. at 50% (P.R.P.)	79	1/h
Fuel Cons. at 25% (P.R.P.)	/	1/h
Engine speed regulator	ECU	
Fuel injection	High pressure common rail	
Oil quantity	55	l
Engine Antifreeze capacity	130.5	l
Back pressure	≤10	kPa
Emissions	STAGE III	

DIMENSIONS AND WEIGHT

Width	2096	mm
Length	5462	mm
Height	2795	mm
Weight	9870	kg

ALTERNATOR

Alternator brand	Leroy Somer	
Alternator model	LSA49.3M8	
P.R.P. Power	820	kVA
L.T.P. Power	945	kVA
Connection	Series Star	
Phases	3P+N	
Winding	12 term. W 311	
Terminal Number	12	
IP Protection	23	
Electronic regulator	D350	
Precision	±0.5%	

BASEFRAME

Long range fuel tank	1450	l
Hours of operation at 75% of load	13	h

SALES AND SERVICE SUPPORT

With 132 sales service providers in 98 countries and subsidiaries in the United Kingdom, China, Australia and Myanmar, the company provides customers with sufficient, fast and high-quality product supply and service.

THINK GLOBALLY, ACT LOCALLY ALWAYS AT YOUR SIDE

Every product in every region has a professional team to serve our distributors. With the help of the global distributor network, PowerLink can provide energy services for users all over the world.

TECHNICAL SUPPORT AND HIGH-QUALITY CONTINUOUS AFTER SALES SERVICE

We are confident enough to get the job done and capable enough to move quickly

At PowerLink, the success of the customer is of high importance. We deliver service solutions and utilize our full expertise to help you reach your goals.

PowerLink, ensures optimum performance and longevity for every generating set through its after-sales service department.

A first-class support system is provided by its experienced and highly-qualified technical team, along with a wide array of spare parts, always available in stock.

OUR SERVICE - AS A PART OF YOUR BUSINESS

WE OFFER AFTER-SALES ASSISTANCE AND A COMPLETE RANGE OF GENUINE SPARE-PARTS THROUGHOUT THE WORLD

POWERLINK
Power Systems
Power Link the World

If there is data change without notice and need more information, please contact us or your local agents.

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