

**PERKINS POWERED
GENERATOR SETS
LG22P 50Hz**

Prime Power **16kw / 20kva**
Standby Power **17.6kw / 22kva**
Voltage available **380/220v, 400/230v, 415/240v**


Quality Standards


Our diesel generating sets meets the following standards:
 GB/T2820, GB1105, YD/T502, ISO3046, ISO8525, ISO8525-3-5-6.

Factory Test

Each our generating sets must be got through 1 hour load test for running 0%, 25%, 50%,75%, 100% and 110% load before dispatch, All protective devices, control functions are simulated and it's system checked, proved and then passed for dispatch. A test certificate can be provided upon request.

MAIN SPECIFICATIONS OF GENERATOR SETS

DIESEL GENERATOR SETS		
GENSET MODEL NOS.	LG22P	
Rated speed / frequency	1500 rpm / 50 Hz	
Prime output (KW/KVA)	16/20	
Standby output (KW/KVA)	17.6/22	
Voltage, Phase and wire	380/220v, 3 Phase and 4 Wires	
Rated power factor	0.8P.F.	
Maximum output current(A)	33	
Genset type	Open type	Silent type
Dimension(L*W*H) (mm)	1480×750×1270	1900*900*1215
Weight(kg)	430	900
<p>Rating Definitions (Operation at Altitude ≤1500m, Ambient temperature ≤ 40℃). If altitude higher than 1500m, each 100m will cause additional de-rating 1%.</p> <p>Prime Power These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.</p> <p>Standby Power These ratings are applicable for supplying continuous electrical power(at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO8528-3) at 27℃</p>		
DIESEL ENGINE		
ENGINE BRAND		
Engine model	404A-22G1	

Engine Characters	Water-cooled, 4 cylinders in line
The maximum output (kW)	13.5
Aspiration	Naturally aspirated
Bore(mm)×Stroke (mm)	84X100
Displacement(Liters)	2.216
Compression ration	23.3 :1
Fuel consumption(L/H)	5.3(100% load)
Air inlet system	Mounted air filter
Fuel system	Mechanically governed cassette type fuel injection pump
Lubrication system	Spin-on full-flow lub oil filter
Cooling system	System designed for ambients up to 50°C
Lube-oil sump capacity(L)	10.6
Cooling water capacity(L)	7
Voltage for start(V)	12
Instrument for adjusting speed	Mechanically
ALTERNATOR	
ALTERNATOR BRAND	
Alternator model	PI 144E
Excitation	Brushless, Self-excited
Insulation class	F
Protection class	IP23
Connection type	Re-connectable
Voltage Regulation	≤1.0%
Waveform Distortion	No load<1.5% and non-distorting balanced linear load<5%
THF/TIF	<2%/50
GENERATING SET CONTROL SYSTEM	
<p>AC/DC control panel consisting of:</p> <ul style="list-style-type: none"> ↳ Emergency Stop button ↳ Controller with selection for auto-start, AMF monitoring and with following (and not restricted to) features: <ul style="list-style-type: none"> ☺ Start/Stop button ☺ Hour run meter ☺ Monitor engine temperature and provides shutdown protection ☺ Monitor engine speed and provides shutdown protection ☺ Monitor oil pressure and provides shutdown protection ☺ Alarm output for abnormal operation 	

STANDARD FEATURE & OPTIONAL

Item	Standard	Optional
Air Inlet system	<ul style="list-style-type: none"> ✧ Air Cleaner ✧ Service indicator 	<ul style="list-style-type: none"> ✧ Air pre-heater
Cooling system	<ul style="list-style-type: none"> ✧ Radiator with guard sized for 50°C ✧ Coolant drain line with valve ✧ Fan and belt guards 	<ul style="list-style-type: none"> ✧ Radiator duct flange ✧ Low Coolant Level shut down sensor ✧ Remote Radiator cooling
Exhaust system	<ul style="list-style-type: none"> ✧ Industrial exhaust muffler for open type ✧ Residential exhaust muffler for silent type 	<ul style="list-style-type: none"> ✧ Residential 35dBA muffler ✧ Manifold and turbocharger guards
Control system	<ul style="list-style-type: none"> ✧ Comap MRS15 control panel with AMF function 	<ul style="list-style-type: none"> ✧ Manual transfer panel, ✧ Automatic transfer Panel, ✧ Fully Automatic Synchronizing and load Sharing Panel, ✧ Grid Synchronizing Panel.
Alternator & Breaker	<ul style="list-style-type: none"> ✧ Class H insulation ✧ Automatic Voltage Regulator ✧ IP23 Protection ✧ ABB brand circuit breaker 	<ul style="list-style-type: none"> ✧ Oversize and premium generators ✧ Three phase sensing ✧ Space heaters ✧ PMG
Lube system	<ul style="list-style-type: none"> ✧ Lubricating oil filter ✧ Oil drain with valves ✧ Lube oil pressure indicator 	<ul style="list-style-type: none"> ✧ Manual sump pump ✧ Lubricant oil pre-heater
Fuel system	<ul style="list-style-type: none"> ✧ Fuel filter ✧ 24 hours subbase fuel tank ✧ Fuel level shut down sensor 	<ul style="list-style-type: none"> ✧ Dual Wall Integral Fuel Tanks ✧ Dual Wall Sub-base Fuel Tanks ✧ Automatic Fuel Fill Options
Starting / Charging system	<ul style="list-style-type: none"> ✧ Battery charging alternator ✧ 12 volt starting motor(s) ✧ Maintain free battery with rack and cables ✧ Battery charger 	<ul style="list-style-type: none"> ✧ Jacket water heater

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Distributor Local-Local Dealer



In line with our policy of continuous product development, we reserve our right to change the above specifications without notice.