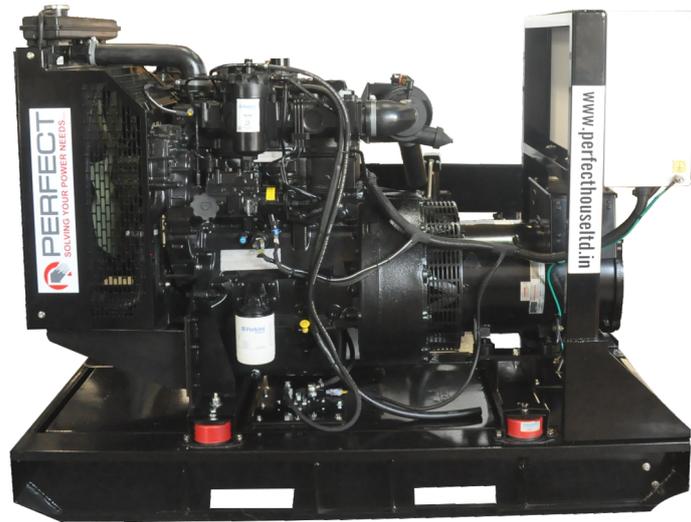




Perfect Super Silent Generator Sets Powered by Perkins Engine (50/60 Hz)

Engineered for versatility, cost effectiveness and reliability, Perkins engines incorporate the latest advancements in clean and economical diesel engine technology. Perkins engines are known for their high durability, low fluid consumption and exceptional load acceptance.

From small power generator packs to combined heat and power solutions, Perkins engines meet the diverse power generation demands across various sectors and regions, delivering reliable power tailored to your exact needs. With a global reach and a commitment to innovation, we offer a comprehensive range of engines designed to excel in demanding environments.



Why Choose PERFECT Genset?



Comprehensive Product Range

Our off-highway engines cover power ratings from 5-2500 kVA, ensuring you find the perfect fit for your power needs.



Versatile Generator

PERFECT Genset offers a plug-and-play solution with Perkins engines, featuring switchable twin engines (50 Hz/60 Hz) and power ratings up to 2500 kVA for efficient, high-density power.



Durability

Built tough, PERFECT Diesel generators have lower maintenance costs and are designed to withstand rigorous applications.



Shortest Delivery Period

We ensure timely and smooth delivery to meet customer deadlines.



International Warranty

Our gensets come with an international warranty and global support.



Customization

We offer customizable gensets to meet individual customer requirements.



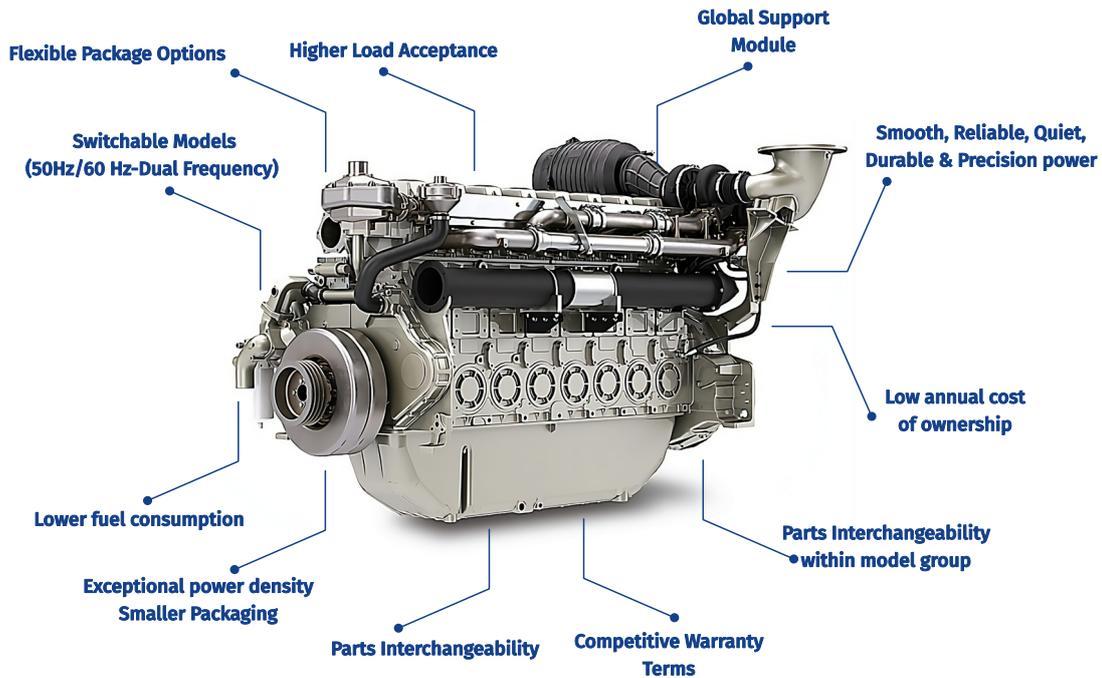
Super Quiet

Sound levels are reduced to 62 dB at 7 meters, using top-quality mufflers for optimal sound absorption and pollution control, meeting super silent DG set standards.



Easy Maintenance

One-side maintenance for convenient access to all key components simplifies routine upkeep.



SPECIFICATIONS												
Generating Set Model	PPER30	PPER45	PPER60	PPER80	PPER100	PPER135	PPER150	PPER200	PPER250	PPER400	PPER500	PPER600
kVA /kW (Prime)	30/24	45/36	60/48	80/64	100/80	135/108	150/120	200/160	250/200	400/320	500/400	600/480
Frequency / RPM	50 Hz / 1500											
Voltage / no. of Phase	415 / 3											
Power Factor	0.8											
Rated Current (Amps)	42	63	83	111	139	188	209	278	347	556	695	834
Over Load Capacity	10 % over Load for 1 Hours in each 12 Hour of Operation											
Fuel Tank Capacity (liters)	90	90	90	160	200	200	210	500	500	700	700	820
Acoustic Enclosure Dimensions L X W X H (mm)	2000 X 850 X 1275	2000 X 850 X 1275	2000X 850 X 1275	3200 X 1080 X 1860	3400 X 1080 X 1860	3800 X 1500 X 1900	3800 X 1500 X 1900	3800 X 1500 X 1900	4100 X 1650 X 1900	5000 X 2000 X 2235	5550 X 2000 X 2340	5550 X 2000 X 2340
Gross Weight (Kg)(Approx)	1105	1220	1270	1980	2220	2690	2870	2870	3400	6100	7000	7000
Engine Make	PERKINS											
Engine Model	1103A-33G	1103A-33TG1	1103A-33TG2	1104A-44TG2	1104C-44TAG2	1106A-70TAG1	1106A-70TAG2	1106A-70TAG4	1206A-70TTAG3	2206D-E13TAG3	2506D-E15TAG2	2806D-E18TAG1A
Engine Power (bhp)	37.8	56.6	73.7	98	125.5	164.5	182.4	239.8	344	493	605	721
No. of Cylinders	3			4			6					
Fuel Consumption (Lit/ Hr) @100% Load	10.8	10.8	14.6	20.5	24.9	31.2	33.4	45.8	56.9	90	106	130
Fuel Consumption (Lit/ Hr) @75% Load	8.23	8.23	10.8	18.7	22.6	22.9	24.7	34.7	41.5	72	82	102
Cooling system	Liquid Cooled											
Type of governor	Electronic											
Aspiration	NATURALLY ASPIRATION	TURBO CHARGED		Turbocharged, air to air charge cooled		Turbocharged aftercooled			Series turbocharged aftercooled	Turbocharged, air to air charge cooled		
Lub oil sump capacity (Ltrs.)	8.3	7.9	8.3	8	8	16.5	16.5	16.5	13 - 16	40	62	67
Recommended Service Interval for Genset.	500 Hours / 12 Month which ever is earlier											
Coolant Capacity - UOM as Litres	10.2		13	12.6	21	21	21	25	51.4	58	61	
Recommended Coolant	Ethylene glycol base concentrate ideal mixing ratio of water to antifreeze is 50:50											
Electrical System (12V /24V)	12V											
NO. of Battery	1						2					
Battery Capacity	88 AH			120 AH			150 AH			150 AH		
Alternator Make	Stamford / Leroysoner											
Class of Insulation	Class H											
Voltage Regulation	± 1%											
IP Rating	IP 23											
Controller	Deep Sea 4520 MK II											

- Notes:
- Specifications and dimensions are subjected to change without prior notice.
 - Data is on NTP conditions as per ISO 3046 .
 - ±5% production tolerance is applicable as per ISO3046. Fuel consumption is based on diesel fuel with a specific gravity of 0.85 and conforming to BS 2869, Class A2) and standard alternator efficiency. The fuel consumption may vary depending upon the alternator.
 - 4 Available with Voltage variation (230,380,400,440,460,480 etc) .



PERFECT[®]

SOLVING YOUR POWER NEEDS...

60+
YEARS
of
Legacy

5GW+
of Power
Delivered

Globally
Certified

800+
Employees
Across the Globe

24,00,000 sq.ft
Manufacturing Unit

200,000+
Power Generators Supplied

35+
Countries
Powering Global
Success



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Factories

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