



200 kVA to 3000kVA

Durable | Robust | Built to Last



## Perfect

### SOLVING YOUR POWER NEEDS

Perfect House Pvt Ltd is India's leading provider of alternative power solutions that include power generators and renewable energy solutions. Our vast expertise acquired over more than 60 years in the business has driven us to achieve excellence in manufacturing power generators and servicing customers across a wide range of industries.

From telecom and retail to government and defense, Perfect enjoys a distinguished reputation for consistently delivering best-in-class alternative power solutions that are manufactured to international standards. Our facility is DGQA, Defence organisation approved. Perfect plants are ISO 9001, 14001 and OHSAS 18001 certified.



Perfect Manufactures DG set from 1KVa to 2500KVa at Satara spread across 3 state of Art Manufacturing units. Along side DG set perfect is in following business - Agriculture Equipments, Solar Power Solutions, IT Solutions, Suzuki Outboard Engines



## Baudouin

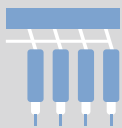
### POWERING YOUR SUCCESS SINCE 1918

For 100 years, Baudouin has designed and manufactured the highest quality diesel engines for power generation and marine applications upto 3,150 kVA, a range that few engine manufacturers can match. You can expect reliability, durability and excellent total cost of ownership from Baudouin powered generators.

With global manufacturing facilities in India, France and China which are adapted to our customers' needs, you can count on us to deliver to your requirements on time and to specification.



The Baudouin range of G Drive engines are available from 15 kVA to 2500 kVA and are manufactured, distributed and serviced by SHIG India based at Pune, Maharashtra



#### HIGH PRESSURE COMMON RAIL SYSTEM

More reliable and reduced stress on injectors, which helps to reduce wear and tear



#### DUPLEX TYPE OIL FILTER WITH ELECTRIC PUMP

Helps to reduce friction and better start ability



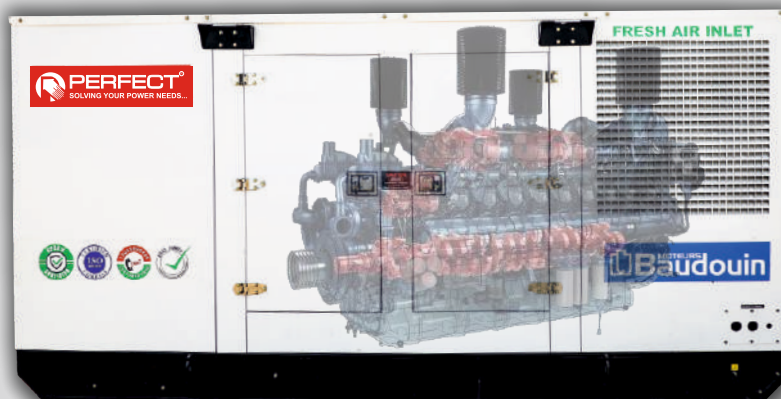
#### 100 YEARS OF HERITAGE

From humble beginnings in Marseille, 1918



#### EXTENDED WARRANTY

Additional warranty of 2 yrs on complete genset\*



#### BEST FUEL EFFICIENCY

Low cost of ownership



#### HIGHEST BLOCK LOADING

More than 50% block loading capability



#### LOW LUBE OIL SUMP CAPACITY

More than 10% lower sump capacity means savings on Lube oil quantity



#### INTERNATIONAL WARRANTY

With a global network of 200 partners

Engine basic data

DG model	PBDN 250	PBDN 320	PBDN 400	PBDN 500	PBDN 520	PBDN 625	PBDN 750
Engine model	6M12G6D2/5	6M19G320/5E3	6M21G440/5E3	6M21G500/5E3	6M21G6D2	8M21G688/5E3	6M33D660E310
Suitable kVA rating	250	320	400	500	520	625	750
Max. engine power (kWm)	235	319	405	450	464	615	725
Bore x stroke (mm)	108 X 136	126 x 155		127 x 165		127 X 165	150 x 185
Displacement (L)	7.47	11.596		12.54		16.72	19.6
No. of cylinders	6 - In-line	6 - In-line		6 - In-line		8 - V type	6 - In-line
Aspiration	Turbocharged-Aftercooled						
Compression ratio	17.5:1	17:1		16:1		15:1	15:1
<b>Performance data</b>							
Load Factor	Fuel Consumption litre/hr						
75%	41.2	51.3	63.5	79.0	81.1	92.6	129.5
100%	54.1	67.2	85.0	98.7	104.0	127.8	165.2
<b>Lubrication system</b>							
Total lube oil capacity (L)	24	30		30		44	61
Lube oil consumption and fuel consumption ratio	<0.1%	<0.2%	<0.2%	<0.2%	<0.2%	<0.3%	<0.3%
Recommended lube oil specification	CI4+15W40						
<b>Fuel system</b>							
Injection pump type	HPCR	Mechanical	HPCR	HPCR	HPCR	HPCR	HPCR
Governor method	ECU	Electronic	ECU	ECU	ECU	ECU	ECU
Governing Class	G3	G2	G3	G3	G3	G3	G3
<b>Cooling system</b>							
Total coolant capacity (L)	32	62		55		71	159
Recommended coolant specification	50 :50 Ethylene glycol premix						
<b>Dimensions and weight (Power Pack)</b>							
Length (mm)	4500	5200	5500	5500	5500	5950	7000
Width (mm)	1700	2000	2000	2000	2000	2350	2500
Height (mm)	2000	2385	2300	2252	2252	2550	2824
Weight (kg)	3350	5120	6000	6400	6500	8000	9700
Fuel Tank Capacity in Ltr	500	700	700	700	700	990	990
<b>Alternator</b>							
Frequency (Hz)	50	50	50	50	50	50	50
Insulation	Class H	Class H	Class H	Class H	Class H	Class H	Class H

Engine basic data

DG model	PBDN 1010	PBDN 1250	PBDN 1500	PBDN 1750	PBDN 1850	PBDN 2000	PBDN 2250	PBDN 2500
Engine model	12M26D968E200	12M33D1210E200	12M33G1650/5	16M33G1900/5	16M33G2000/5	16M33G2250/5	20M33G2500/5	12M55G2750/5
Suitable kVA rating	1010	1250	1500	1750	1850	2000	2250	2500
Max. engine power (HP)	1298	1623	1944	2253	2414	2655	2964	3285
Bore x stroke (mm)	150 x 150	150 x 185		150 X 185	150 X 185	150 X 185	150 X 185	180 X 215
Displacement (L)	31.8	39.2		52.3	52.3	52.3	65.4	65.65
No. of cylinders	12-V type	12-V type		16-V type	16-V type	16-V type	20-V type	12-V type
Aspiration	Turbocharged-Aftercooled							
Compression ratio	15.7:1	15:1		15:1	15:1	15:1	15:1	16.5:1
<b>Performance data</b>								
Load Factor	Fuel Consumption litre/hr							
75%	153.8	187.2	228.9	252.4	265.0	274.0	308.5	363.9
100%	202.7	251.6	302.0	337.9	351.0	378.0	425.1	490.2
<b>Lubrication system</b>								
Total lube oil capacity (L)	109	155	155	171	171	171	240	480
Lube oil consumption and fuel consumption ratio	< 0.3%	< 0.3%	< 0.3%	< 0.3%	< 0.3%	< 0.3%	< 0.3%	< 0.3%
Recommended lube oil specification	CI4+15W40							
<b>Fuel system</b>								
Injection pump type	Mechanical	Mechanical	HPCR	HPCR	HPCR	HPCR	HPCR	HPCR
Governor method	Electronic	Electronic	ECU	ECU	ECU	ECU	ECU	ECU
Governing Class	G2	G2	G3	G3	G3	G3	G3	G3
<b>Cooling system</b>								
Total coolant capacity (L)	225	240	303	542	542	542	410	306
<b>Dimensions and weight (Power Pack)</b>								
Length (mm)	7100	7100	9000	11000	11000	Customized		
Width (mm)	2500	2500	3000	3500	3500			
Height (mm)	3140	3140	3140	4000	4000			
Weight (kg)	12000	12850	17500	21000	23000			
Fuel Tank Capacity in Ltr	990	990	990	990	990			
<b>Alternator</b>								
Frequency (Hz)	50	50	50	50	50	50	50	50
Insulation	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H

\* Fuel consumption data is based on diesel specific gravity of 0.869 and conforming to IS: 1460.  
 Fuel consumption tolerance is +5%.  
 Prime power- Applicable for supplying power for varying electrical load for unlimited hours.  
 Prime power (PRP) is in accordance with ISO 8528.  
 Conformance standards: IS/IEC 60034-1, IS1460, ISO8528, ISO 3046, IS13018, ISO 9001.  
 Specification are subject to change due to continuous improvement and are for reference only.  
**Warranty Terms:**  
 Warranty period covers 2 Years or 5000 Hours run\* (Whichever is earlier)  
 Warranty on SC covers 5 Years or 5000 Hours run\* (Whichever is earlier)  
 \*TERMS AND CONDITIONS APPLY

**Standard scope comprising of:**

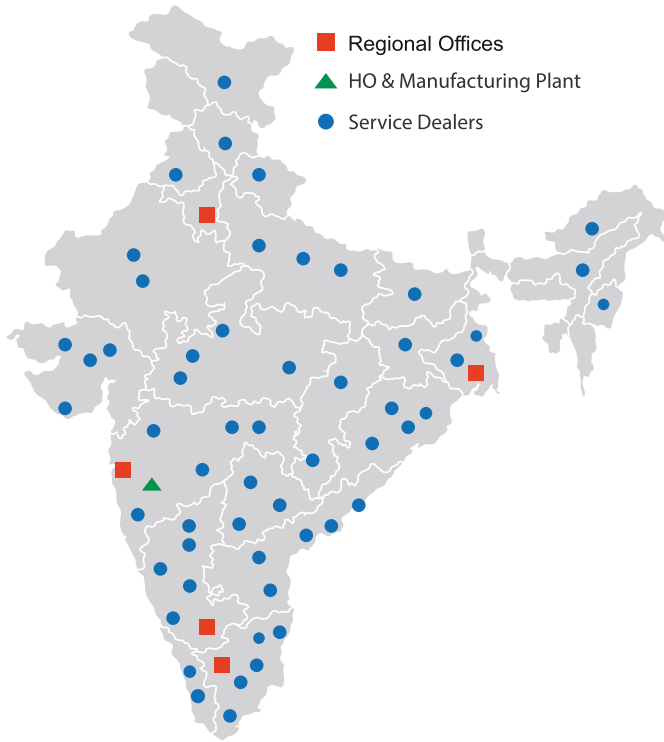
Diesel Engine/ AC Generator/ Base frame/ Standard Control Panel/ Radiator/ Silencer/ Battery & Battery Cable/ AVMs/ First Fill of Lube Oil/ First fill of Coolant/ DG Set Controller/ Fuel Tank/ Wiring Harness/ Sensors

**One step solution:**

Customised power solutions, installation, commissioning, operations contract, AMC/CAMC, renting power, hybrid solution, Electric Board approval, Electrical options AMF/ Auto Synchronising panel, CRM, NGR, NIS, VCB Voltage options: 415V, HT 3.3/6.6/11kv, Cooling systems: Remote radiator/ Heat exchanger

# CUSTOMER BENEFIT

- Wide range from 15 kVA to 2500 kVA
- Complaint with current CPCB norms and getting ready for CPCB IV+ norms
- Compatible for paralleling, synchronization
- HP-CRDi for swift response
- Highest Block loading
- Made in India



## Perfect Service Support

Perfect has single window solution for sales and market support that ensures attention to our esteemed clientele at the shortest possible time.

This concept ensures that customer support regarding DG set aggregates or complete equipment is resolved through a single window.

Our service dealers are equipped with necessary tools and equipment's and have trained and motivated service team to handle and resolve troubleshooting round the clock.



Genuine parts and tools



Service Support



Skill Development



Recon and Rebuild

## Industries we serve



Shopping Mall & Commercial Buildings



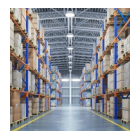
Residential Realty



Hotels, Resorts & Restaurants



Airport



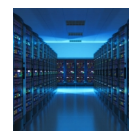
Warehouse & Cold Storage



Hospitals & Critical Health Care Centres



Infra projects



Data Centre



Industrial Application

## Our clients

1,00,000+ DIESEL GENERATING SETS DELIVERED



## PERFECT HOUSE PRIVATE LIMITED

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Email : sales@perfectgenset.com | WEBSITE : www.perfecthousetld.in

FACTORY ADDRESS : M-7, J-2/5, J-2/6, Additional MIDC, Satara - 415004, Maharashtra, India.

NORTH REGIONAL OFFICE : Tower B2, Spaze I Tech Park, 5th Floor, Unit No. 554 & 555, Soham Road, Gurgaon - 122002.

SOUTH REGIONAL OFFICE : # 39, RKB Complex, Dr. Radhakrishnan Nagar, Poonamalle High Road, Chennai - 600106.

AVAILABLE ON GEM

