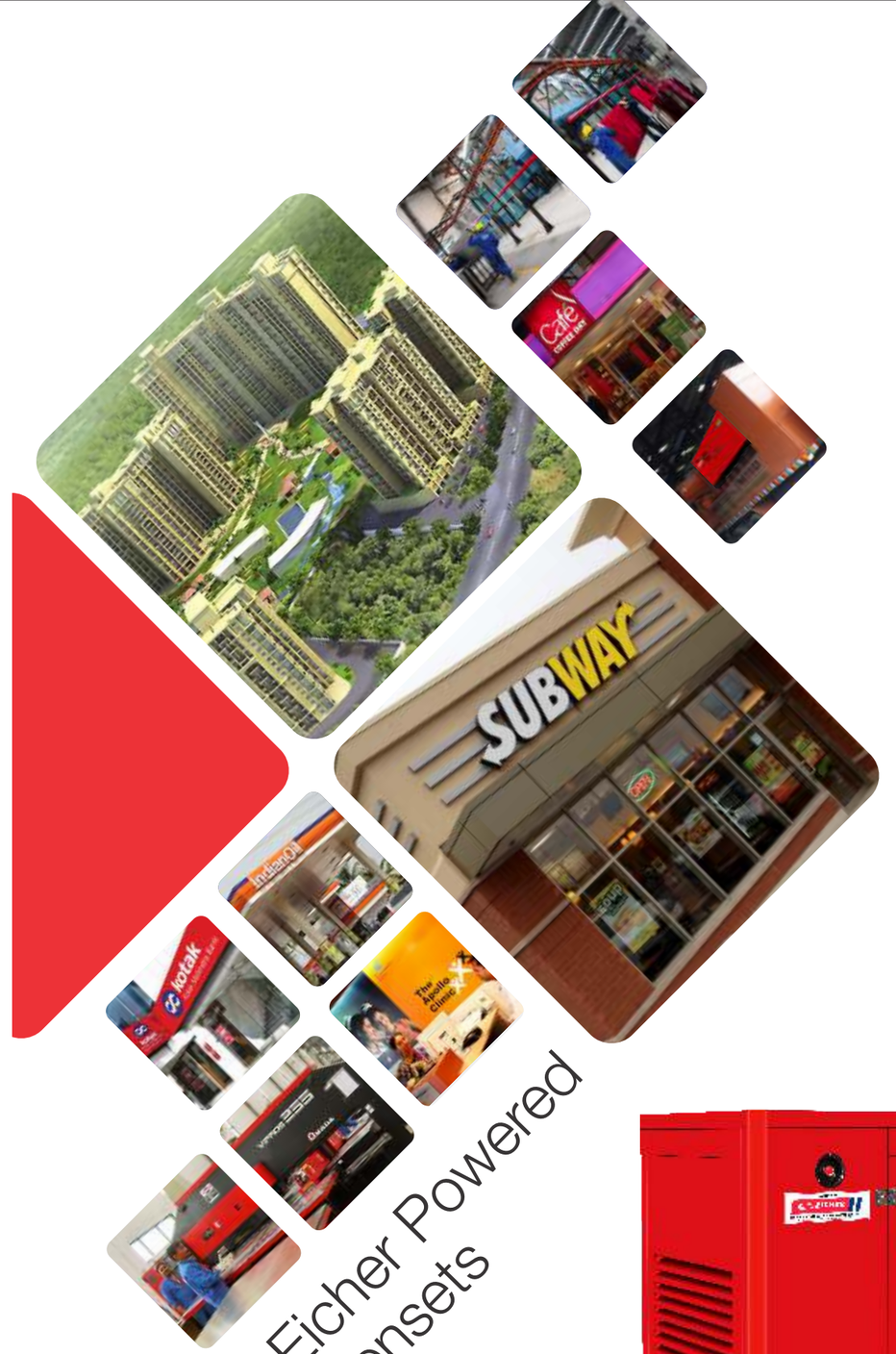

Authorised channel partner

VE COMMERCIAL VEHICLES
A VOLVO GROUP AND EICHER MOTORS JOINT VENTURE

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rjain8@eicher.in, www.eichergenset.com

Service Support 24x7 18605009151

ECO FRIENDLY

CPCB-II Approved

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A VOLVO GROUP AND EICHER MOTORS JOINT VENTURE

We.The Brand >>

VE Commercial Vehicles Limited (VECV) is a 50-50 joint venture between the Volvo Group and Eicher Motors Limited. It is a partnership that brings together Global leadership in technology, quality, safety and environmental care, along with the deep knowledge and understanding of the Indian market.

“A culmination of volvo group`s global process and world class technology and Eicher`s frugal engineering and deep knowledge of developing markets.”

Genset

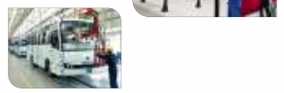
Engineering Solution

Engineering Components

Engine

Bus Body & Application Manufactuing

Buses & Trucks



Manufacturing Competence

The industrial town of Pithampur, near Indore (Madhya Pradesh), is the manufacturing facility of EICHER TRUCKS AND BUSES. In 1986, it was the first commercial vehicle manufacturing plant to be set up in Central India. Spread over just 83 acres (340,000 sq. m.). It houses all that is required to design, test, produce and service Diesel Engine and commercial vehicle. The facility has been well equipped with product designing and Research & Development Centres.

The state-of-the art plant in Pithampur has access to top line manufacturing process, which includes weld shop with robotic arm, CED paint shop, integrated test facilities, 100% hot test facility of Engines and lean & scalable manufacturing set up. Plant has high degree of automation and Poke-Yoke for ensuring consistent quality Engines. The setup has passed the most stringent global quality norms of Volvo Group and is now equipped to produce highest quality engines. VE Commercial Vehicles Ltd also exports engines to many countries including European Nations, where the product is well established among other leading technology brands.

Quality Systems

VECV’s Quality system are designed with the concept of “Build Quality in process” & ensured to infuse in the culture, in this “Eicher way” constructive values are defined with customer centric approach and inculcated these values across the organisation with the aim, everyone at every movement think towards the customer. As a part of that journey, the organization had taken a step to enhance the quality through great initiative of CSI1 (Customer Satisfaction India No:1) in the year 2009. CSI1 conception is from UD trucks, Japan with concepts of Hoshin Kanri, i.e policy deployment in all processes of the organisation

In CSI1, goal is an end customer satisfaction, with a slogan “Quality everywhere”, product , service and sales quality. Right from the design drawing board to the manufacturing processes and the service support, everything has been developed to provide higher performance based efficiency. Our design and manufacturing quality is ensured that all engines have maximum uptime, longer life cycle and best fuel efficiency thereby leading to greater productivity.

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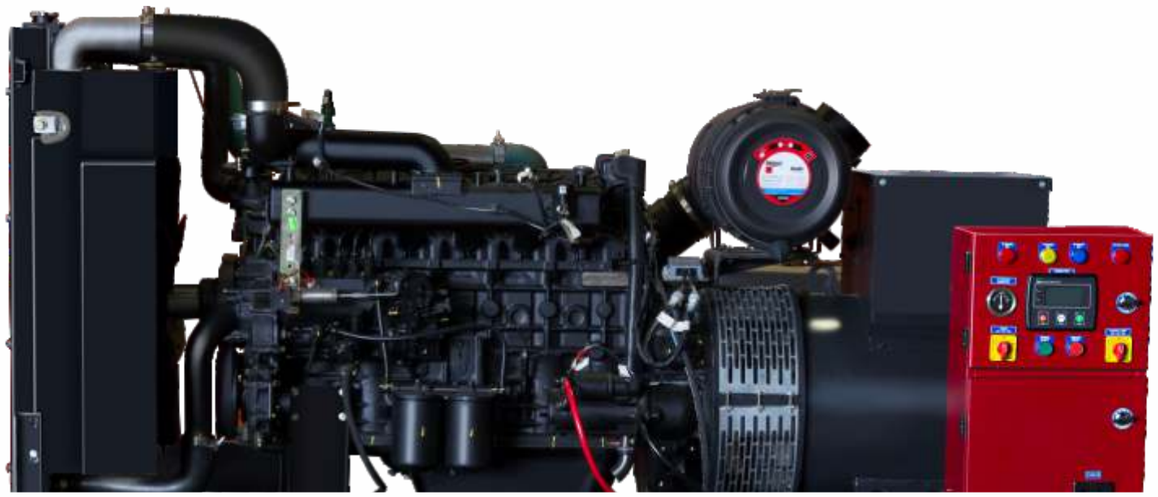

Diesel Generating Sets >>

Better Design. Better Aesthetic. Better Value

Diesel Genset Range: 30kVA to 125kVA

VE Commercial Vehicles Ltd design and manufactures EICHER brand automotive & non-automotive engines with modern technology which is already established and known for high reliability, consistent quality and high-fuel-efficiency. The Engines and Gensets are also exported to regions like Europe, Middle East, Africa & SAARC Nations.

Engine Key Benefits

Low Operating Cost :

- **Remarkable Fuel Economy with Unmatched Engine Protections:** EICHER is the most preferred engine in terms of fuel economy & it saves fuel in the range of 10%-15% over most of the other Engines.
- **Very Economical Parts Prices:** Low cost of maintenance
- **Longer Service Interval:** 500 Hours or 12 Months for Lub. Oil, Oil Filter & Fuel Filter.
- **No Running-In Period:** Even First Service Interval is 500 Hours/12 Months.

High Reliability :

- **Robust Engine:** Used in toughest applications like Construction Equipment, Material Handling, Marine, Agro and Pumping.
- **In-Built Oil Cooler:** Suitable for Continuous Operation and Lower Lubricating Oil Consumption.
- **Piston Cooling Jet:** provide cooling to piston at high temperature. Lower Break Down & higher reliability
- **Bypass Filter:** Secondary Filtration system, provide filtration in case of chocking of primary filter.
- **Air filter Choke indication:** Provide safety indication for chocking of Air Filter.
- **Starter Motor with Thermal cut off:** Cut off starter motor in case of over starting.
- **Extremely Low Vibration:** Sculpted/Ribbed block for high rigidity which results to Lower vibration and Lower wear & tear.
- **Compact size:** Engine Ideal for roof top installation & helps saving land space.

Performance:

- Quick Starting & smooth running
- Excellent Block Loading Capacity
- Excellent & unmatched fuel Efficiency
- Longer Product Life Cycle

Service Efficiency

- Easy Serviceability: Superior Accessibility of all Service points.
- Easy Spares Availability: Availability of Spare Parts across the country.
- Commonality of Spare Parts: Most of Spare parts used are common across the range.
- On Site Service Support: Proven technology will ensure that product support is available close by, without waiting for a specialist. EICHER Branded diesel engine does not require any complex or specialised tools for maintenance.

Alternator: >>

- Description : Self-excited, Self-regulated Single bearing, Brushless & continuous duty
- Voltage : 415/230 Volts
- Power Factor : 0.8
- Frequency : 50 Hz
- No. of Phase : 3 phase/ 1 phase
- Construction : SPDP enclosure
- Protection : IP 21 / IP 23
- Voltage Regulation : ± 1%
- Insulation Class : H

Salient Features:

- Highest Efficiency in its class
- Compact Size
- Better Response Time and allows faster recovery of stabilized rated voltage
- Excellent Motor starting capability in the range of DG sets
- Ensure constant Voltage operation even at 5% reduced speed band

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Microprocessor Controlled: Integrated Controller >>

A microprocessor based Controller is being provided to the generator with self -diagnostic & self-management system.

Salient Features:

- It measures, monitor, control & operate all the required electrical mechanical parameters.
- User friendly LCD display.
- Logs last 50 Fault codes helps operator/service personal for troubleshooting.
- Safeties with annunciation.
- Engine Safeties: High Water Temperature, Low Lub. Oil Pressure, Low Fuel Level, Charging Failure, Radiator, Water Level, Air Filter Choke.
- Alternator Safeties: Under Voltage, Under Frequency, Over Frequency, Overloading.

Control Panel >>

- Standard Manual Panel/AMF Panel
- MS construction Control panel
- Suitable rating 3 Pole MCB/MCCB
- All critical parameters of Engine and Alternator are displayed on Micro-processor based controller.
- Indoor Type Mounting Inside Acoustic Enclosure (Standard Manual Control Panel)

Optional:

- Auto Mains Failure Panel
- Remote Start/Stop Panel
- GPS Based system for Remote monitoring and controlling

Acoustic Enclosure: >>

- Noise level less than 75 dB(A) at a distance of 1 Meter under free field condition
- Made up of high-quality CRCA sheet
- Modular construction and good Aesthetic
- Sturdy designed built for last and Suitable for Outdoor Installation
- Single Point Lifting Arrangement: Easy Handling and avoid installation damages
- 11 Tank Surface Treatment and Pure Polyester Powder Coating for better finish and long lasting Acoustic Enclosure's Colour
- Silencer with option of Bird protection
- Integrated Fuel Tank suitable for 12 Hours with Three way Fuel measurement.
- Easy Access to accessories with secure serviceability
- Ready To Use DG set

  Optional : Super Silent Acoustic Enclosure available on request up to 65 dBA.

After Sales Support >>

Eicher has extensive service reach and no matter where you are Eicher service is never too away. Eicher has wide service network across the country with professionally trained dealership team, ensuring your Diesel Genset in safe hands. Our range of services includes: Our 24/7 helpline assistance ensures minimum downtime should the power generating solution encounter operational difficulties.

Pre-installation Guidance & Commissioning

Our Expert team gives proper guidance to all customers for installation of Diesel Generator and its related work i.e Foundation requirements, ideal placement of Diesel Generator, Power Cabling sizes, Earthing Sizes and Exhaust pipe extension etc which are required for commissioning of Diesel Generator.

Emergency Call-out Services & Preventative Maintenance Agreements

Our 24/7 helpline assistance ensures minimum downtime and maximum uptime. Customer gets personalised attention from our trained service personnel.

Annual maintenance contract (AMC) / Comprehensive AMC / Operation and maintenance contract

Our Annual maintenance contract includes unlimited breakdown visits and scheduled routine check-ups. Consumable, breakdown spares and outside labour job will be chargeable.

Our Comprehensive Service Agreement includes unlimited breakdown calls, scheduled routine service and Consumable spares of limited number of Hours/Months.

Our O&M contract include the services of trained manpower stationed at site.

Customized Product Training/Updates to Clients **

We understand the value of combining theoretical learning with practical application. As such, our training courses Often incorporate hands-on sessions where delegates are given opportunity to apply, in practice, their newly acquired knowledgeand skills. This training can take place on-site or at any of our facilities. It's a concept to involve our clients in understanding theproduct and enabling them to handle the solutions effectively.

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* Standard And Optional Features

Silencer with
Bird Protection

Single Point
Lifting Arrangement

Emergency Stop

Stainless Steel,
Strong & Robust Lock

Good Service
Accessability

Good Quality Forming

Stainless Steel Nut
& Bolts

Cable Entry

Genset Legs

Starter Motor with
Thermal cutt off

AVM Pads
for Radiator

EGR System

Vaccum Indicator

Inline Fuel Pump

Lub Oil
Bye Pass Filter

Three Way Fuel
Level Monitoring

High Quality AVM

Insulated Exhaust
Pipe Extension

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Technical Specifications :

Dg Set Model	Unit	VE-30	VE-40	VE-50	VE-62.5	VE-75	VE-82.5	VE-100	VE-125
Genset Rating	KVA	30	40	50	62.5	75	82.5	100	125
Power Factor	PF	0.8							
Genset Rating	kWe	24	32	40	50	60	66	80	100
Engine Make		EICHER (VECV)							
Engine Model		EE483TCI	EE483TCI	EE483TCI	EE483TCI	EE683TCI	EE683TCI	EE694TCI	EE694TCI
Rated BHP	BHP	52	52	80	80	105	105	128	156
No. of Cylinders	No.	4	4	4	4	6	6	6	6
Nature of Aspiration		TCI	TCI	TCI	TCI	TCI	TCI	TCI	TCI
Displacement	Liters	3.3	3.3	3.3	3.3	4.95	4.95	5.7	5.7
Compression Ratio		17:01	17:01	17:01	17:01	17:01	17:01	17.5:01	17.5:01
Bore X Stroke	MM	100 x 105	100 x 105	100 x 105	100 x 105	100 x 105	100 x 105	100 X 120	100 X 120
Electric System	Volt	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Battery	AH	88	88	88	88	120	120	120	120
Lube Oil Consumption*	% F. Cons	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Lube Oil System Capacity	Liters	11	11	11	11	14	14	16	16
BSFC at 75% Load*	Gm/HP-Hr	139	139	149	149	157	157	156	156
Service Interval	Hours/Months	500 Hours/12 Months							
Governing	Class	Mechanical A1							
Alternator Make (*)		KEC / Mecc Alte							
Alternator Type		Brushless							
No. of Phase		3 Phase/1 Phase				3 Phase			
Frequency	Hz	50 Hz							
Type of Insulation		Class H							
Type of Panel		Standard Manual Panel (Optional AMF Panel)							
Acoustic Enclosure Size*	(LxWxH)mm	2500x1050x1500		2800x1050x1500		3200x1250x1500		3750x1250x1500	
Fuel Tank Cap.*	Liters	150	150	150	150	250	250	300	300
Approx DG Set Weight*	Kgs	1120	1130	1250	1250	1610	1610	1790	1790

* Conditions Apply

(*) Other makes of Alternator can be available on request

Power rating as per standard reference condition as per –BS 5514 / ISO 3046 / ISO 8528 & IS 10002 / ISO 3046

Generator set specifications are subject to change due to continuous product development without prior notice

Standard Scope Of Supply:	
Lighting Inside the Acoustic Enclosure	Included
Fuel Tank & Fuel Piping	Inbuild (Removable Type with Lock & Key Arrangement)
First fill of Lube Oil & Coolant	Included
Power Cable	Included within Acoustic Enclosure (Between Alternator & DG Panel)
Silencer with Tail Pipe	Included
Fuel Level Gauge & Sensor	Included
Emergency Stop Button	Included

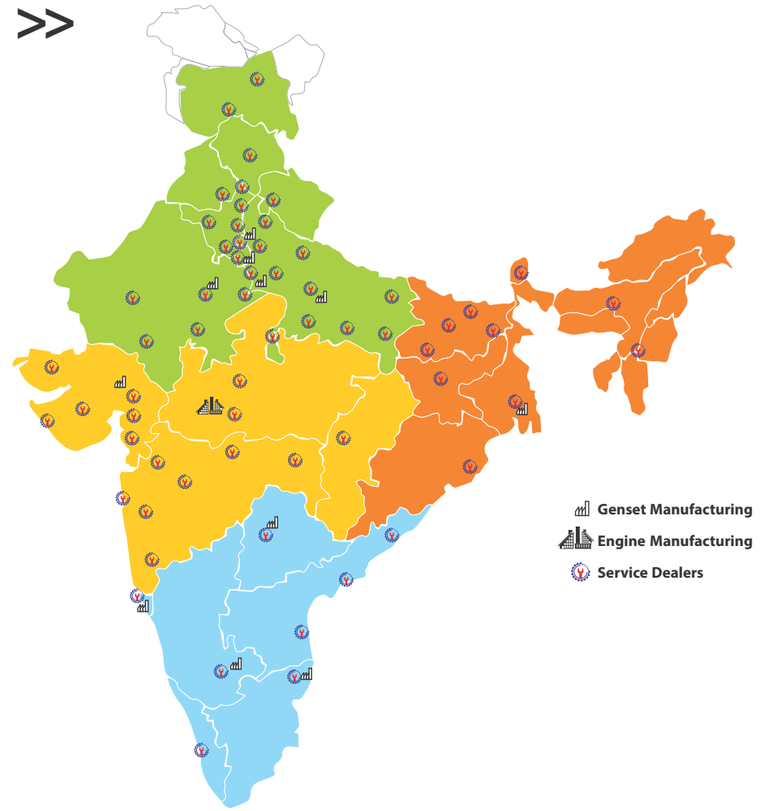
Exclusion/Optional

- Transportation & Transit Insurance
- Unloading & Shifting of DG Set at Site
- Civil Foundation at Site
- Power & Control Cabling outside Acoustic Enclosure
- Earthing of Equipment (DG Set & Panel) at Site
- Exhaust Pipe Extension
- Any kind of Statutory Approval

Warranty : Standard warranty shall be 24 Months from date of supply or 5000 running hours whichever is earlier for manufacturing defect of Equipment.

Optional Extended Warranty is available at extra cost.

Our reach >>



Some of the Clients

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