



**VE COMMERCIAL VEHICLES**  
A VOLVO GROUP AND EICHER MOTORS JOINT VENTURE



## Durable | Robust | Built to Last

### EICHER ENGINES

VE Commercial Vehicles Limited (VECV) is a joint venture between the Volvo Group (Volvo) and Eicher Motors Limited (EML) a leading manufacturer of Commercial Vehicles and Diesel Engines in India. It is a partnership that brings together Global leadership in Technology, Quality, Safety & Environmental care along with the deep knowledge & understanding of the Indian and Global markets.

**EICHER Branded Engine** is designed for efficient power generation and maximum uptime. The robust design makes the engine highly reliable. Its rigid, in-line cylinder block with durable crankshaft bearings, turbo-intercooled provide a very powerful engine.

The state-of-the-art, high-tech injection and charging system, with low internal losses, contribute to efficient combustion and low fuel consumption. Longer service interval and economical parts pricing contributes to low maintenance cost. The engine's compact design results in a high power-to-engine dimension ratio.

# TECHNICAL SPECIFICATION

Genset Rating (KVA)	30	40	45	50	62.5	75	82.5	100	125	140	160
Power Factor (PF)	0.8										
Genset Rating (kWe)	24	32	36	40	50	60	66	80	100	112	128
Engine Rated Power (BHP)	38	52	52	80	80	105	105	156	156	201	201
Engine Make	EICHER (VECV)										
Engine Model	EE483TCI	EE483TCI	EE483TCI	EE483TCI	EE483TCI	EE683TCI	EE683TCI	EE694TCI	EE694TCI	EE694TCI	EE694TCI
No. Of Cylinders (No.)	4	4	4	4	4	6	6	6	6	6	6
Nature Of Aspiration	TCI	TCI	TCI	TCI	TCI	TCI	TCI	TCI		TCI	TCI
Displacement (liters)	3.3	3.3	3.3	3.3	3.3	4.9	4.9	5.7	5.7	5.7	5.7
Compression Ratio	17:01	17:01	17:01	17:01	17:01	17:01	17:01	17.5:01	17.5:01	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 105	100 X 120	100 X 120	100 X 120	100 X 120
Electric System (Volt)	12 V DC	12 V DC	12 V DC	12V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Battery	90	90	90	90	90	90	90	130	130	130	130
Lube Oil Consumption (%F.Cons)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Lube Oil System Capacity (lter)	11	11	11	11	11	14	14	23.8	23.8	23.8	23.8
Fuel Cons.@75% Load	5.45	6.38	6.38	10.41	10.41	14.4	14.4	23.8	20.5	27	27
Service Interval (Hours/ Months)	500 Hours/ 12 Months							700 Hours/ 12 Months			
Governing	Mechanical					Mechanical/ Electronic				Electronic	
Fuel Tank Capacity (ltrs)	95	95	120	120	120	180	180	180	180	210	210
Alternator Make	Meccalte/Stamford/Leroy Somer										
Alternator Type	Brushless										
No. Of Phase	3 Phase/ 1 Phase					3 Phase					
Type Of Panel	Standard Manual Panel (optional Amfpanel)										
Acoustic Enclosure Size (LxWxH)+Silencer mm	2300 x 1050 x 1350 x 1150	2500 x 1050 x 1250 + 350		2800 x 1250 x 1450 + 400		3200 x 1250 x 1450 + 400		3400 x 1250 x 1450 + 400		3700 x 1400 x 1700 + 500	
Approx Dg Set Wt	1150	1200	1200	1450	1450	1700	1700	2000	2000	2400	2400

\*\*Due to continues product improvements, specifications are subject to change without prior notice.



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