

Uninterrupted Power, Unmatched Reliability with Perfect Generators powered by

VE COMMERCIAL VEHICLES
A VOLVO GROUP AND EICHER MOTORS JOINT VENTURE

**& VOLVO
PENTA**



PERFECT SUPER SILENT GENERATING SETS POWERED BY VOLVO EICHER ENGINE (50/60 Hz)

SPECIFICATIONS (VOLVO EICHER)										
D.G.Set	Generating Set Model	PVE 30	PVE 40	PVE 50	PVE 62.5	PVE 82.5	PVE 100	PVE 125	PVE 160	
	kVA /KW (Prime)	30/24	40/32	50/40	62.5/50	82.5/66	100/80	125/100	160/128	
	Frequency / RPM	50 Hz /60 Hz , 1500 / 1800								
	Voltage / no. of Phase	415 / 3								
	Power Factor	0.8								
	Rated Current (Amps)	42	56	70	87	115	139	174	223	
	Over Load Capacity	10 % over Load for 1 Hours in each 12 Hour of Operation								
	Fuel Tank Capacity (liters)	105	105	120	120	145	170	170	250	
	Acoustic Enclosure Dimensions L X W X H (mm) including Silencer	2420 X 1080 X 1275		2520 X 1080 X 1575		3100 X 1080 X 1575	3200X1080X 1575	3200X1100X 1575	3400X1080X 1860	
	Gross Weight (Kg)(Approx)	1000		1250	1450	1700	2000	2150	2400	
Diesel Engine	Engine Make	VE comercial Vehicles (A Volvo Group and Eicher Motor Joint Venture)								
	Engine Model	EE483TC			EE483TCI	EE683TCI		EE694TCI		
	Engine Power (bhp)	38	52	65	80	105	128	156	201	
	No. of Cylinders	4				6				
	Fuel Consumption (Lit/ Hr) @100% Load	5.25	7	8.85	10.5	14.5	17.15	21.7	28.7	
	Fuel Consumption (Lit/ Hr) @75% Load	3.8	5.2	6.25	8.8	10.3	12.8	15.5	19.8	
	Cooling system	Liquid Cooled								
	Type of governor	Mechanical						Electronic / Mechanical**		
	Aspiration	TURBO CHARGED			TURBO CHARGED INTERCOOLED					
	Lub oil sump capacity (Ltrs.)	11				16		23.8		
	Recommended Service Interval for Genset.	500 Hours / 12 Month which ever is earlier								
	Coolant Capacity - UOM as Litres	14.8		17		20		24		
	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								
Battery Capacity	88 AH				120 AH		150 AH			
Alternator	Alternator Make	Stamford / Leroysoner								
	Class of Insulation	Class H								
	Voltage Regulation	± 1%								
	IP Rating	IP 23								
Panel	Controller	Deep Sea 4520 MK II								

Notes:

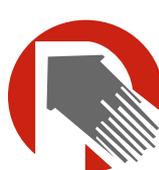
- ** Electronic Governor for 50 Hz and Mechanical Governer for 60 Hz
- Specifications and Dimenssions are subjected to change without prior notice.
- Data is on NTP conditions as per ISO 3046 .
- ±5% production tolerance is applicable as per ISO3046. Fuel consumption is based on diesel fuel with a specific gravity of 0.85 and confirming to BS 2869, Class A2) and standard alternator efficiency. The fuel consumption may vary depending upon the alternator.
- Available with Voltage varition (230,380,400,440,460,480 etc) .

PERFECT SUPER SILENT GENERATING SETS POWERED BY VOLVO PENTA ENGINE (50/60 Hz Switchable)

SPECIFICATIONS (VOLVO PENTA)													
D.G.Set	Generating Set Model	PVP-200	PVP-250	PVP-300	PVP-320	PVP-350	PVP - 400	PVP - 450	PVP - 500	PVP - 600	PVP - 650	PVP -700	PVP - 750
	kVA /KW (Prime) @ 50Hz	200/160	250/200	300/240	320/256	350/280	400/320	450/360	500/400	600/480	650/520	700/560	750/600
	kVA /KW (Prime) @ 60Hz	220/176	260/208	334/267	342/274	400/320	425/340	465/372	575/460	630/504	687/549	727/582	801/641
	Voltage / no. of Phase	415 VAC / 3 Ph											
	Power Factor	0.8											
	Rated Current (Amps) @50Hz @415 Volt	278	347	417	444	486	556	625	695	834	903	973	1042
	Rated Current (Amps) @60Hz @415 Volt	306	361	464	475	556	591	646	799	876	955	1011	1113
	Over Load Capacity	10 % over Load for 1 Hours in each 12 Hour of Operation											
	Fuel Tank Capacity (liters)	500						700					
	Acoustic Enclosure Dimensions L X W X H (mm) including Silencer	3850 X1700 X 2350			4150 X1700 X 2350			4850 X1700 X 2350				5300X1900X2400	
Gross Weight (Kg)(Approx)	4350	4350	4500	4500	5250	5250	5250	5650	5650	5850	6100	7150	
Diesel Engine	Engine Make	Volvo Penta											
	Engine Model	TAD840GE	TAD841GE	TAD842GE	TAD843GE	TAD1342GE	TAD1344GE	TAD1345GE	TAD1641GE	TAD1642GE	TWD1644GE	TWD1645GE	TWD1744GE
	Engine Power (bhp)	224	224	282	282	453	586	586	643	729	828	890	877
	No. of Cylinders	6											
	Fuel Consumption@ 50Hz (Ltr/ Hr) @100% Load	37	46.5	56	60	63	73	84	94	113.5	119	126	137
	Fuel Consumption@ 50Hz (Ltr/ Hr) @75% Load	38	48	56.5	60	63.5	73	84	92	111	119	129	138
	Fuel Consumption@ 60Hz (Ltr/ Hr) @100% Load	42	50	64	66	77	79	87	111.5	124	128.5	133	148.5
	Fuel Consumption@ 60Hz (Ltr/ Hr) @75% Load	43	51	64	66	75	79	87	109	120	128.5	135.5	148
	Cooling system	Liquid Cooled											
	Type of governor	Electronic											
	Aspiration	TURBO CHARGED INTERCOOLED											
	Recommended Service Interval for Genset.	500 Hours / 12 Month which ever is earlier											
	Coolant Capacity - UOM as Litres	41	41	64	64	93	93	180	180	190			
	Recommended Coolant	Ethylene glycol base concentrate ideal mixing ratio of water to antifreeze is 50:50											
	Electrical System (12V /24V)	12V											
NO. of Battery	2												
Battery Capacity	150AH												
Alternator	Alternator Make	Stamford / Leroysoner											
	Class of Insulation	Class H											
	Voltage Regulation	± 1%											
	IP Rating	IP 23											
Panel	Controller	Deep Sea 4520 MK II						Deep Sea 7320 MK II					

Notes:

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- Available with Voltage variation (230,380,400,440,460,480 etc) .

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