

Power Output Ratings		50 Hz / 400 V		60 Hz / 440 V	
Standby Power (ESP)	kVA	500	566		
	kW	400	453		
Prime Power (PRP)	kVA	450	508		
	kW	360	406		



Engine					
Manufacturer		VOLVO			
Origin		SWEDEN			
Model		TAD1640GE			
No of Cylinder / Configuration		6 - INLINE			
Displacement		lt	16,12		
Bore / Stroke		mm	144 / 165		
Compression Ratio		17,5:1			
Aspiration		Turbocharged and Intercooled			
Governor Type		ELECTRONIC/EMSII			
Cooling System		WATER			
Coolant Capacity		lt	60		
Lubrication Oil Capacity		lt	42		
Electrical System		VDC	24		
Speed / Frequency			1500 rpm / 50 Hz	1800 rpm / 60 Hz	
Engine Gross Power		kWm	440	494	
Fuel Consumption	g/kWh	110 %	200	202	
		100 %	198	202	
		75 %	203	210	
		50 %	227	245	
Exhaust Outlet Temperature		°C	456	444	
Exhaust Gas Flow		m³/min	74,8	86,9	
Combustion Air Flow		m³/min	36,2	42,6	
Cooling Air Flow		m³/min	240	288	



Standby Power

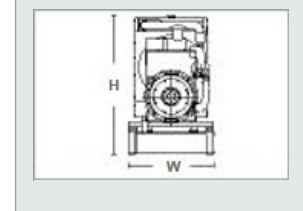
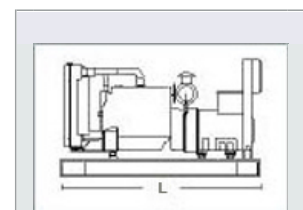
Standby power is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 500 hours of operation per year under average of 70% load. Overloading is not permissible.

Prime Power

Prime power is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hours.

Alternator					
Manufacturer		MARELLI			
Origin		ITALY			
Model		MJB315MB4			
No of Phase		3			
Power Factor		0,8			
No of Bearing		SINGLE			
No of Poles		4			
No of Leads		12			
Voltage Regulation (Steady State)		± %0,5			
Insulation Class		H			
Degree of Protection		IP 23			
Excitation System		AVR (Automatic Voltage Regulator), Brushless			
Connection Type		STAR			
Total Harmonic Content (No Load)		< %2			
Frequency		Hz	50	60	
Voltage Output		VAC	230 / 400	254 / 440	
Rated Power (Standby)		kVA	500	570	
Efficiency		%	94	94,5	

	W x L x H (mm)	Weight (kg)	Fuel Tank (lt)	Noise (dBA)
Canopied	1687 x 4519 x 2400	4677	868	TBA
Open Skid	1400 x 3400 x 1950	3553	846	TBA



- Technical information and values are according to ISO8528, ISO3046, NEMA MG-1.22, IEC 60034-1, BS 4999-5000, VDE 0530 standards.
 - Producing with ISO9001, ISO14001, OHSAS18001, TSE, CE standards.
 - All information given in this leaflet is intended for general purposes only. Due to a policy continuous improvement Teksan reserves the right to amend details and specifications without notice and all information given is subject to the Teksan's current condition of sales.

TBA: To Be Ask TBD: To Be Determined NA: Not Available N/A: Not Applicable TTD500VV0508-EN

