

Power Output Ratings		50 Hz / 400 V		60 Hz / 440 V	
Standby Power (ESP)	kVA	486		541	
	kW	389		433	
Prime Power (PRP)	kVA	427		475	
	kW	341		380	



Engine				
Manufacturer		DOOSAN		
Origin		KOREA		
Model		P158LE		
No of Cylinder / Configuration		8 - V TYPE		
Displacement	lt	14,6		
Bore / Stroke	mm	128 / 142		
Compression Ratio		15:1		
Aspiration		Turbocharged and Intercooled		
Governor Type		ELECTRONIC		
Cooling System		WATER		
Coolant Capacity	lt	88,5		
Lubrication Oil Capacity	lt	35		
Electrical System	VDC	24		
Speed / Frequency		1500 rpm / 50 Hz	1800 rpm / 60 Hz	
Engine Gross Power	kWm	414	458	
Fuel Consumption	lt/h	110 %	102,9	118,6
		100 %	89,3	102,5
		75 %	65,1	74,7
		50 %	43,9	50,6
Exhaust Outlet Temperature	°C	580	606	
Exhaust Gas Flow	m³/min	78,3	91,3	
Combustion Air Flow	m³/min	25,3	31,1	
Cooling Air Flow	m³/min	410	625	



Standby Power

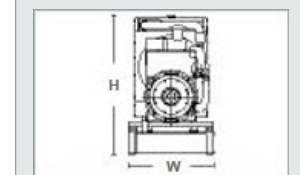
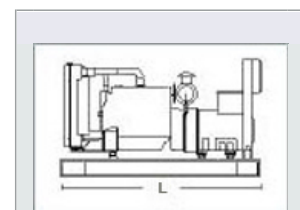
Standby power is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 500 hours of operation per year under 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	4190	705	TBA
Open Skid	1300 x 3200 x 1870	3110	685	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

TTD490DW0508-EN

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