TJ450DW5S

Diesel Generator Sets / 50 Hz

Power Output Ratings		50 Hz / 400 V
Standby Power (ESP)	kVA	450
	kW	360
Prime Power (PRP)	kVA	400
	kW	320

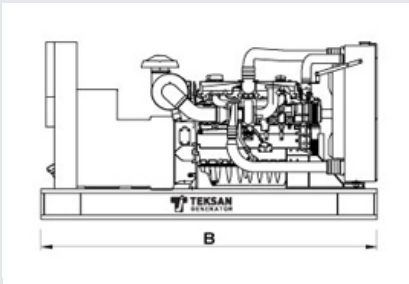
Engine		
Manufacturer		DOOSAN
Origin		KOREA
Model		P158LE
No of Cylinder / Configuration		8 - V TYPE
Displacement	lt	14,6
Bore / Stroke	mm	128 / 142
Compression Ratio		15:1
Aspiration		Turbocharged and Intercooled
Governor Type		ELECTRONIC
Cooling System		WATER
Coolant Capacity	lt	88,5
Lubrication Oil Capacity	lt	35
Electrical System	VDC	24
Speed / Frequency		1500 rpm / 50 Hz
Engine Gross Power	kWm	414
Fuel Consumption lt/h	110 %	95,3
	100 %	82,7
	75 %	60,3
	50 %	40,6
Exhaust Outlet Temperature	°C	580
Exhaust Gas Flow	m³/min	78,3
Combustion Air Flow	m³/min	25,3
Cooling Air Flow	m³/min	410

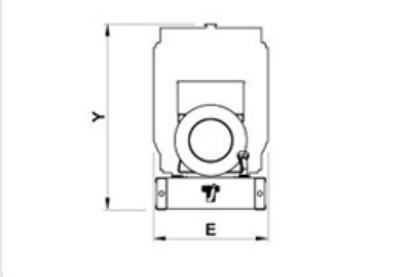
Alternator		
Manufacturer		STAMFORD
Origin		INDIA
Model		HCI444F
No of Phase		3
Power Factor		0,8
No of Bearing		SINGLE
No of Poles		4
No of Leads		12
Voltage Regulation (Steady State)		± %1
Insulation Class		H
Degree of Protection		IP 23
Excitation System		AVR (Automatic Voltage Regulator), Brushless
Connection Type		STAR
Total Harmonic Content (No Load)		< %2
Frequency	Hz	50
Voltage Output	VAC	230 / 400
Rated Power (Standby)	kVA	450
Efficiency	%	92,8

	W x L x H (mm)	Weight (kg)	Fuel Tank (lt)	Noise dB(A)
Canopied	1687 x 4519 x 2400	TBA	705	TBA
Open Skid	1400 x 3200 x 1870	TBA	685	TBA

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.





- 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 Avaliable **N/A:** Not Applicable **TTD450DW5S0612-EN**