N&P GENERATORS

TJ101PE5A

Diesel Generator Sets / 50 Hz

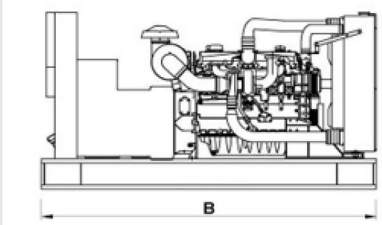
Power Output Ratings		50 Hz / 400 V
Standby Power (ESP)	kVA	101
	kW	81
Prime Power (PRP)	kVA	92
	kW	74

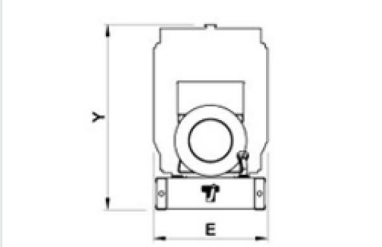
Standby Power (ESP)		
Manufacturer		PERKINS
Model		1104C-44TAG2
No of Cylinder / Configuration		4 - INLINE
Displacement	lt	4,4
Bore / Stroke	mm	105 / 127
Compression Ratio		18,23:1
Aspiration		Turbocharged and Air-to-Air Charged Cooled
Governor Type		ELECTRONIC/LCS
Cooling System		WATER
Coolant Capacity	lt	13
Lubrication Oil Capacity	lt	8
Electrical System	VDC	12
Speed / Frequency		1500 rpm / 50 Hz
Engine Gross Power	kWm	103
Fuel Consumption lt/h	110 %	TBA
	100 %	TBA
	75 %	TBA
	50 %	TBA
Exhaust Outlet Temperature	°C	543
Exhaust Gas Flow	m³/min	16,3
Combustion Air Flow	m³/min	6,27
Cooling Air Flow	m³/min	165,6

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
Model		MJB225SB4
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
Voltage Output	VAC	230 / 400
Rated Power (Standby)	kVA	101
Efficiency	%	91,5





	W x L x H (mm)	Weight (kg)	Fuel Tank (lt)	Noise dB(A) @ 1m
Canopied	950 x 2650 x 1450	1349	160	77
Open Skid	950 x 2000 x 1250	1054	160	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 N & P 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

TTD101PE5A0414-EN