

RFB 3182-2025: DIESEL GENERATOR DATASHEET GENERAL REQUIREMENTS			
		Project: RFB 3182-2025 Specification: DIESEL GENERATOR (A, B,&C) Date: 2025/11/19	
NOTE (1): The capacity ratings indicated shall be achieved at the full load stated after derating of all equipment and at an ambient temperature of 40 deg C and altitude of 1200m.			
Note (2): Bidder must complete/enter YELLOW cells only			
Note (3): SITA reserves the right to verify Data Sheet information			
Item	Description	Units	Required
1	GENERAL INFORMATION		
1.1	Diesel Engine Manufacture		Mitsubishi
1.2	Diesel Engine Country of Manufacture		OEM Head-Office
1.3	Electric Alternator Manufacture		Leroy Somer
1.4	Electric Alternator Country of Manufacture		OEM Head-Office
1.5	Generator Set Rating		Data Centre Continuous
1.6	Control Unit		DSEG86xx
1.7	Mode of Operation		Standalone (Single Unit)/Synchronised
1.8	Guaranteed time from start to load acceptance	Seconds	<10 seconds
1.8	Specified Ambient	°C	40 °C
1.8	Specified Altitude	m	1200m
2	DIESEL ENGINE GENERAL INFORMATION		
2.1	Engine Speed	rpm	1500 rpm
2.2	Nominal Frequency	Hz	50hz
2.3	Performance Standard		ISO 8528-5
2.4	Performance Rating		G3
2.5	Cooling		Water
2.6	Fuel		Diesel 50ppm
2.7	Starters		Automatic, 24Vdc dual starters (A&B Starter System)
2.8	Step-Load Performance		Minimum 75% of the load as a single step load without exceeding any limits.
2.9	Model No		
2.10	Continuous rating of unit (kW) after all parasitic loads & derating at ambient and specified altitude).	kW	
2.11	Hours per year at rating	Hours	
2.12	Number of cylinders	No	
2.13	Formation		
2.14	Governor Type		
2.15	Governor Manufacturer		
2.16	Total Number of Air Filters	No	
2.17	Total Number of Fuel Filters	No	
2.18	Total Number of Oil Filters	No	
2.19	Battery Charger Make and Model	No	
3	ALTERNATOR GENERAL INFORMATION		
3.1	Speed	rpm	1500 rpm
3.2	Nominal Frequency	Hz	50hz
3.3	Nominal Voltage (1ph/3ph)	V	230v/400v
3.4	Excitation		PMG
3.5	Insulation		Class H
3.6	Model No		
3.7	Continuous rating of unit (kW) after all parasitic loads & derating at ambient and specified altitude).	kW	
3.8	Total Harmonic Voltage Distortion at full load (%)		
3.9	Degree of protection (IPxx)		
3.10	Efficiency 100% load (%)	%	
3.11	Efficiency 75% load (%)	%	
3.12	Efficiency 50% load (%)	%	
3.13	Efficiency 25% load (%)	%	
3.14	Load on system at 0% output load	%	
3.15	Direct axis sub transient reactance (%)	%	
3.16	AVR Make and Model	%	

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4	SOUND ATTENUATION INFORMATION		
4.1	Intake Acoustic Performance	dBa	65 dBA at 1m distance
4.2	Discharge/ exhaustAcoustic Performance	dBa	65 dBA at 1m distance
5	SWITCHGEAR AND ENCLOSURE		
5.1	Control Panel		IEC 61439-1 Certified
6	HEAT OUTPUT TO ROOM		
6.1	Engine	%	100% Load
6.2	Alternato	%	100% Load
I, the bidder, confirm that the details provided in this data sheet are true and accurate. I further accept that all goods and/or works will be delivered as specified herein. [Note (1): SITA reserves the right to verify Data Sheet information] [Note (2): First convert to PDF, then add signature]			
		Bidder's Name	
		Signature (above)	