

Technical Specifications

Item	Specification	Statement of Compliance
		<p>Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the</p>

		Bidder or supplier liable for prosecution subject to the provisions of ITB Clause Error! Reference source not found. and/or GCC Clause Error! Reference source not found.
1	Model:	
	Rated Speed : 1,800 RPM Prime Power : 45.5 kVA/36.4KW Standby Power : 50 kVA/40KW Rated Voltage (line to line) : 230 V Output frequency : 60 Hz Phase : 3 Base Tank Capacity : 250 liters	
	Engine:	
	Type : 4 cylinders, 4 cycle diesel Aspiration : Turbocharged Engine Speed/Frequency, RPM/Hz : 1800/60HZ Bore/Stroke : 102/120 Compression Ratio : 17.3/1 Prime power at 1800 rpm : 36.4 kW Standby power at 1800 rpm : 40 kW Speed governor : Mechanical Cooling system : Water-cooled Coolant Capacity, L : 7.2 Fuel consumption at 100% load, L/H: 10.2 (at 1800rpm) Noise Level, dBA@1m : <70dBA Lubricant system Capacity, L : 14.2 Displacement, L : 3.9 or below Starting System : Electric 24 volt DC Battery Voltage / Capacity : 24VDC	
	Alternator:	
	Protection grade : IP23 Self-exciting, brushless type :Single bearing, Doubled shielded Rotor balance : BS5625 standard 12.5 Power factor : 0.8 lagging Installation type : Class H Drip proof rated : IEC60034 Self-regulating, resist humid grease and with fan cooling Rotor silicon steel close tight High-quality lubrication sealed long-time bearing Stator grease insulation covered	
	Built and Tested to ISO 9001 Quality Assurance Standards	

	Dimensions (L x W x H) (mm) : 3100x1200x1550 or below Weight : 1,450 Kg.	
	Standard Features :	
	<ul style="list-style-type: none"> - Equipped with battery charger and 24V high performance maintenance-free lead-acid starting batteries and connecting with cables. - - Equipped with two large doors on each side, radiators fill access plate, lube oil and cooling water drains pipes to exterior of the enclosure - Security and safety- control panel viewing window in a lockable access door, emergency stop push button (red) mounted on enclosure interior, exhaust silencing system totally enclosed to operator safely and cooling fan and battery charging alternator fully guarded. - Enclosure body made from steel components treated with polyester powder coating and black finish stainless steel lock and hinges. - 250 Liters Base Fuel Tank capacity designed for 8-hours operation, at least 3mm thickness minimum 100% steel, with necessary drain outlet, fuel in and back outlet. (Full tank upon commissioning) - Equipped with Branded MCCB and ACB circuit breaker. - Equipped with the base mounted control panel in a vibration isolated sheet steel enclosure, which has the following features: <p>1. Instruments : Digital Voltmeter, Hours Run Meter and Water pressure meter.</p> <p>2. Controls : Emergency Stop Pushbutton, Voltmeter Phase Selector Switch.</p> <p>3. Control module : Main features</p> <ul style="list-style-type: none"> ➤ Automatic mains failure ➤ Engine control, Generator protection ➤ Built in alarms and warnings ➤ Remote Start operation ➤ Daily / weekly / monthly exerciser ➤ Weekly operation schedule program ➤ Fuel pump control ➤ Mains simulation ➤ Block heater control ➤ Field adjustable parameter ➤ Free MS-Windows Remote monitoring ➤ Led displays ➤ Configurable analogue inputs ➤ I/O expansion capability 	

	<ul style="list-style-type: none"> - Equipped with Digital Automatic Transfer Switch, rated 150Amperes, 3 Phase, 3 wire, 230V, 60Hz, complete with ground bus, pre-wired and assembled in Base/Wall Mounted Enclosure and CAN DETECT SINGLE PHASING, HIGH VOLTAGE AND LOW VOLTAGE. - Super silent type (<u>70dBA@1.00meter</u>) – Strict sound test to perform upon inspection and delivery. 	
	- Brochure for the Product Offered	
	NOTES :	
	<ul style="list-style-type: none"> ➤ Supplier should render FREE Installation, Commissioning and Training. ➤ Issuance of 3 years Warranty Certificate on Engine and Alternator: (Monthly visit on the first year and Quarterly for rest of warranty period). ➤ Bidders may show proof of Completed Project with a proof of at least one three (3) Years Warranty of Awarded Contract to any Government Entity with same sound level of 70 dBA@1 meter. 	