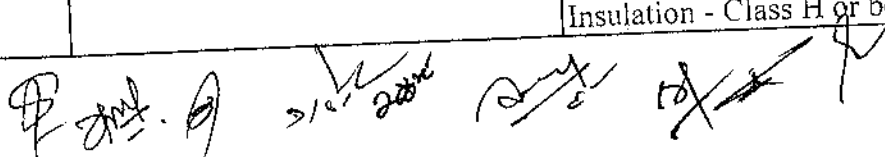


Specification of Generator 1 KVA

S.N	Parameter	Technical Specification	Remarks
1	Engine	Output- Minimum 1 KVA	
		Speed - 1500-3000 rpm	
		Cooling System - Air Cooled	
		No of Cylinder - Minimum 1	
		Petrol	
		Starting System - Recoil	
2	Alternator	Type - Brushless, Self exciting synchronous, 2 pole Single phase	
		Excitation - AVR, Brushless	
		Voltage - 220 V, 50 Hz	
		Insulation - Class H or better	
3	Control Pannel	Metering/Gauge functions - Standard Multidisplay meter with various indicator and safety features.	Remarks
4	Fuel Tank	3-5 Liters	
6	Standard	ISO or Equivalent	
7	Warranty	Minimum 1 year/ Provided by OEM which ever is greater	

Specification of Generator 3 KVA

S.N	Parameter	Technical Specification	Remarks
1	Engine	Maximum Output - Minimum 3 KVA	
		Speed: 1500-3000 rpm	
		Cooling System - Air Cooled	
		No of Cylinder -Minimum 1	
		Starting System - Recoil and Self (both)	
2	Alternator	Type - Brushless, Self exciting synchronous, 2 pole Single phase	
		Excitation - AVR, Brushless	
		Voltage - 220 V, 50 Hz	
		Insulation - Class H or better	



3	Control Pannel	Metering/Gauge functions - Standard Multidisplay meter with Various Indicator and safety features	
4	Fuel Tank	Minimum 5 Liters	
5	Standard	ISO or Equivalent	
6	Warranty	Minimum 1 year/ Provided by OEM which ever is greater	

Specification of Generator 5 KVA

S.N	Parameter	Technical Specification	
1	Engine	Maximum Output - Minimum 5 KVA	
		Speed Minimum 3000 rpm	
		Cooling System -Air Cooled	
		Diesel	
		No of Cylinder - Minimum 1	
2	Alternator	Starting System -12 volts DC	
		Type -Brushless, Self exciting synchronous, 2 pole Single phase	
		Excitation -AVR, Brushless	
		Voltage -220 V , 50 Hz	
3	Control Pannel	Insulation - Class H or bettr	
		Metering/Gauge functions - Standard Multidisplay meter with Various Indicator and safety futures.	
4	Fuel Tank	15-25 ltr	Remarks
6	Standard	ISO or Equivalent	
7	Warranty	Minimum 1 year/ Provided by OEM which ever is greater	

Specification of Generator 250 KVA/200 KVA

S.N	Parameter	Technical Specification	Remarks
1	Power	Minimum 200 KVA	
	Engine		
2	Cylinder Configuration	Inline	
3	No of Cylinders	Minimum 6	
4	Displacement	Minimum 6000 cc	
5	Aspiration	Turbocharge-Intercooler	
6	Governor Type	Electronic	
7	Cooling System	Water	
	Alternator		
8	No of Phases	3	
9	Power Factor	0.8	
10	Voltage Regulation	(Steady State) ± %1	
11	Insulation Class	Class H or better	
12	Degree of Protection	IP 23 or bettr	
13	Excitation System	AVR (Automatic Voltage Regulator), Brushless	
14	Total Harmonic Content (No Load)	< %2,5	
15	Frequency (Hz)	50	

16	Voltage Output 50 Hz	VAC 220 / 400	
17	Efficiency	Minimum 90 %	
18	Standard Features	Autostart Control Panel with breaker	
19	Canopy Details	Enclosure must be modular sound attenuated weather.	
		Proof, powder Coated, with proper lifting arrangement.	
		Door Handle must be locking type.	
		Sound Level :Maximum 85 dba@ 1m.	
20	Standard	ISO Certified or Equivalent.	
23	Warranty	Minimum 2 years/ Provided by OEM which ever is greater	
24	Workshop Repair Manual	Hard Copy-1, Soft Copy-1	
25	Spare Parts Catalogue	Hard Copy-1, Soft Copy-1	
26	Base Integrated fuel tank.		
27	Fully digital control panel system with communication based.		
28	Generator must be mounted on wheel mounted (towable) trailer for easy transportation with complete accessories for towing.		
29	Must have legs (hydraulic/mechanical) for resting the generator during operation or parking.		

Specification of Generator 100 KVA

S.N	Parameter	Technical Specification	Remarks
S.N	Parameters	Specifications	Rmk
1	Type	Diesel genset for continuous power supply running at ambient temp -5 deg celcius to 50 deg celcius, Auto Switching with synchronization panel.	
2	Phase & Wires	3 phase 4 wires	
3	Power Factor	0.8	
4	Rated Gen-set output	230V/400V, 50HZ	
5	Engine Type	Minimum 6 cyl turbocharged Diesel Engine	
6	Cooling mode	Water cooled	
7	Steady speed regulation	≤5%	
8	Governer Type	Electronic	
Alternator			
9	Type	A.C. Synchronous , self regulated	
	Voltage Regulation	≤±1%	
	Waveform Distortion	no load ≤2.5% ; Non-distorting balanced linear load ≤5%	
	Excitation	AVR, Brushless	
10	Efficiency	Minimum 85%	
11	Insulation Class	H or better	
12	Protection Class	IP23 or better	
13	Control Panel	Digital	

14	Canopy	Enclosure must be modular sound attenuated, weather proof.	
		Door handle must be lockable type	
		Maximum 75dB @ 1 meter	
15	Continuous Operation	Minimum 12 hours	
16	Features	Base integrated fuel tank	
		Anti-vibration pads should be fixed between engine and alternator.	
		Base Frame including position for forklift and lifting hook for crane to lift and move	
17	Quality Assurance	ISO certified or Equivalent	
18	Manufacture Year	2019 onwards	
19	Workshop Repair Manual and Operating Manual	Soft and hard copy -1/1 set each.	
20	Spare Parts Catalogue	Soft and hard copy -1/1 set	
21	Warranty	Minimum Two Years Global Warranty after delivery/ provided by OEM (whichever is greater)	
22	Final Delivery Requirement	Equipment operational demonstration and verification by the supplier during delivery of the equipment	
23	On Board Spare parts	All types of filter -3 sets; fan belt 1 set; AVR-1 set.	

Specification of AC (1.5 Ton)

S.N	Parameters	Technical Specification	Remarks
1	AC Type	Inverter or Non Inverter	
		Split Type	
2	Cooling Capacity (BTU)	Minimum 18000	
3	Cooling EER(W/W)	Minimum 3.5	
4	Heating Capacity (BTU)	Minimum 18000	
5	Heating COP (W/W)	Minimum 3.5	
6	Refrigerant	R410A or Better	
7	Compressor Type	Rotary Type	
8	Indoor Noise Level (dBA)	Maximum 45	
9	Standard	ISO or Equivalent	
10	Warranty	Minimum 1 year/ Provided by OEM which ever is greater	

Specification of AC (2 /3 Ton)

S.N	Parameters	Technical Specification	Remarks
1	AC Type	Inverter or Non Inverter	
		Split Type	
2	Cooling Capacity (BTU)	Minimum 24000	
3	Cooling EER(W/W)	Minimum 3.5	
4	Heating Capacity (BTU)	Minimum 24000	
5	Heating COP (W/W)	Minimum 3.5	
6	Refrigerant	R410A or Better	
7	Compressor Type	Rotary Type	
8	Noise Level (dBA)	Maximum 45	
9	Standard	ISO or Equivalent	
10	Warranty	Minimum 1 year/ Provided by OEM which ever is greater	

Specification of Air Cooler

S.N	Parameters	Technical Specification	Remarks
1	Capacity	Minimum 40 Ltr	
2	Wattage	Minimum 165 W	
3	Speed Control	Minimum 3	
4	Air Deflection	Minimum 4 Ways	
5	Air Throw	Minimum 35 Ft	
6	Features	Remote Control, Touch Control Panel, Empty Tank Alarm	
7	Colour	White	
8	Empty Tank Alarm	Yes	
9	Standard	ISO or Equivalent	
10	Warranty	Minimum 1 year/ Provided by OEM which ever is greater	