


A. TECHNICAL SPECIFICATIONS

No	Item	Description	Quantity	Reference Picture																																			
1	Electricity generator	<p>65 KVA Electricity generator Cost Effective Power</p> <ul style="list-style-type: none"> • Compact size and low noise. • Lower fuel consumption and oil use. • 500-houre service intervals. • Made in western countries. • 1-year warranty. • Sound Isolated. • Maximum Rating 65KVA • Minimum Rating 65KVA • Voltage 380/220 • Operator’s manual and wiring diagrams <p>General Info.</p> <ul style="list-style-type: none"> • Number of Cylinders 3 vertical in-line • Bore and stroke 105 x127 mm • Displacement 3.3 liters • Aspiration Turbocharged • Cycle 4 stroke • Combustion system Direct injection <table border="1" data-bbox="300 1070 1169 1406"> <thead> <tr> <th rowspan="3">Speed rpm</th> <th rowspan="3">Type of operation</th> <th colspan="2">Typical generator output (Net)</th> <th colspan="4">Engine power</th> </tr> <tr> <th colspan="2"></th> <th colspan="2">Gross</th> <th colspan="2">Net</th> </tr> <tr> <th>kWe</th> <th>hp</th> <th>kWe</th> <th>hp</th> <th>kWe</th> <th>hp</th> </tr> </thead> <tbody> <tr> <td rowspan="2">1500</td> <td>Prime power</td> <td>60</td> <td>48</td> <td>55</td> <td>73.8</td> <td>53.8</td> <td>72.1</td> </tr> <tr> <td>Prime power</td> <td>66</td> <td>52.8</td> <td>60.5</td> <td>81.1</td> <td>59.3</td> <td>79.5</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Total lubrication capacity 8.0 liters -8.5 liters • Color white <p>Air inlet</p> <ul style="list-style-type: none"> • Mounted air filter. <p>Fuel System</p> <ul style="list-style-type: none"> • Rotary Type pump. • Eco-plus fuel filter. • Low fuel level alarm • High fuel level alarm <p>Lubrication System</p> <ul style="list-style-type: none"> • Wet sump with filter and dipstick • Spin-on oil filter <p>Cooling System</p> <ul style="list-style-type: none"> • Thermostatically controlled system with gear-drive circulation pump and belt-drive pusher fan. • Mounted radiator and piping. 	Speed rpm	Type of operation	Typical generator output (Net)		Engine power						Gross		Net		kWe	hp	kWe	hp	kWe	hp	1500	Prime power	60	48	55	73.8	53.8	72.1	Prime power	66	52.8	60.5	81.1	59.3	79.5	1	
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	<ul style="list-style-type: none"> • Heavy-duty radiator <p>Generator Dimension</p> <table border="1"> <tr> <td>Length</td> <td>3150 mm</td> </tr> <tr> <td>Width</td> <td>1150 mm</td> </tr> <tr> <td>Height</td> <td>1900 mm</td> </tr> <tr> <td>Weight</td> <td>450 KG</td> </tr> </table> <table border="1"> <thead> <tr> <th rowspan="2">Percent of prime power</th> <th colspan="2">Fuel consumption at 1500 rpm</th> </tr> <tr> <th>UK g/hr</th> <th>l/hr</th> </tr> </thead> <tbody> <tr> <td>Standby power</td> <td>3.5</td> <td>15.9</td> </tr> <tr> <td>Prime power</td> <td>3.21</td> <td>14.6</td> </tr> <tr> <td>75%</td> <td>2.38</td> <td>10.8</td> </tr> <tr> <td>50%</td> <td>1.66</td> <td>7.56</td> </tr> <tr> <td>25%</td> <td>0.92</td> <td>4.2</td> </tr> </tbody> </table> <p>Start Method</p> <ul style="list-style-type: none"> • Electric Start <p>Connection Type</p> <ul style="list-style-type: none"> • 3 Phase and 4wired. 	Length	3150 mm	Width	1150 mm	Height	1900 mm	Weight	450 KG	Percent of prime power	Fuel consumption at 1500 rpm		UK g/hr	l/hr	Standby power	3.5	15.9	Prime power	3.21	14.6	75%	2.38	10.8	50%	1.66	7.56	25%	0.92	4.2		
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B. WARRANTY & DOCUMENTS:

- Minimum 1-year warranty.
- I would like a confirmation from the company that they are situated in Baghdad, so, in case of any malfunctions in the generator, it shall be repaired locally in GMAC office
- A guarantee or an official confirmation that the spare parts are available in Baghdad
- Operator’s manual and wiring diagrams.
- Technical Catalogues/and datasheets with details and specifications must be provided with the tender submission by the bidder for the generator and GIZ will physically check and approve.
- A technician must be delegated from the supplier to install the generator.
- The reference picture is only to recognize and understand the item, not an indication for any model or brand.
- The generator needs to be delivered to Iraq, Baghdad, Al-Jadriya.
- All standard accessories need to be provided by the bidder.

C. GENERAL REMARKS AND SPECIAL CONDITION

- Supplier must specify delivery time in Annex 2- Bid Form.