

## GENERATORS

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| <b>DESCRIPTION</b>                             |              |
| <b>RESOURCE CATEGORY</b>                       | Public Works |
| <b>RESOURCE KIND</b>                           | Equipment    |
| <b>OVERALL FUNCTION</b>                        |              |
| <b>COMPOSITION AND ORDERING SPECIFICATIONS</b> |              |

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

| COMPONENT  | TYPE 1   | TYPE 2   | TYPE 3  | TYPE 4   | NOTES         |
|--|--|--|---|--|---------------|
| <b>KILOWATTS (KW) PER EQUIPMENT</b>                | 2000 kW Generator<br>Sound attenuated<br>Trailer mounted (semi tractor)<br>Up to 3015 Amps@ 480 Volts, 3 Phase, 60 Hz<br>Dry weight 89,000 lbs | 1500 kW Generator<br>Sound attenuated<br>Trailer mounted (semi tractor)<br>Up to 2260 Amps@ 480 Volts, 3 Phase, 60 Hz<br>Dry weight 59,000 lbs | 600 kW Generator;<br>Sound attenuated<br>Trailer mounted (semi tractor)<br>Up to 2080 Amps@ 208 Volts, 3 Phase, 60 Hz / up to 902 Amps@ 480 Volts 3 Phase, 60 Hz<br>Dry weight 37,000 lbs | 400 kW Generator<br>Sound attenuated<br>Trailer mounted (pull behind)<br>Multi-voltage distribution panel<br>Up to 1390 Amps @ 208 Volts, 3 Phase, 60 Hz/up to 602 Amps@ 408 Volts 3 Phase, 60 Hz<br>Dry weight 16,800 lbs | Not Specified |
| <b>FUEL TANK CAPACITY PER EQUIPMENT</b>            | 1250 Gallons   | 1250 Gallons   | 660 Gallons   | 470 Gallons  | Not Specified |
| <b>EQUIPMENT DIMENSIONS</b>                        | 40' Long x 8' Wide x 13' .5" Tall  | 40' Long x 8' Wide x 13' .5" Tall  | 40' Long x 8' Wide x 13' .5" Tall   | 23' Long x 8' Wide x 13' .5" Tall  | Not Specified |
| <b>POTENTIAL APPLICATION EXAMPLE PER EQUIPMENT</b> | Single or multiple units for:<br>Power plants, heavy industrial facility, high-rise buildings  | Single or multiple units for:<br>Universities, hospitals, medium to large manufacturing facility   | Retail store, HVAC system power, multi-story/buildings, light manufacturing, apartment buildings  | Large office building, public schools, libraries, and communication equipment  | Not Specified |
| <b>SETUP TIME PER EQUIPMENT</b>                    | Cables from generator to main power feed estimated at 5+ hours   | Cables from generator to main power feed estimated at 5+ hours   | Cables from generator to main power feed estimated at 3+ hours  | Cables from generator to main power feed estimated at 2+ hours   | Not Specified |
| <b>EQUIPMENT EXAMPLE</b>                           | XQ2000   | XQ1500   | XQ600   | XQ400  | Not Specified |

| COMPONENT  | TYPE 5  | NOTES         |
|--|---|---------------|
| <b>KILOWATTS (KW) PER EQUIPMENT</b>                | 125 kW Generator<br>Sound attenuated<br>Trailer mounted (pull behind)<br>Multi-voltage distribution panel<br>Up to 433 Amps@ 208 Volts, 3 Phase, 60 Hz / up to 188 Amps @ 480 Volts 3 Phase, 60 Hz<br>Dry weight 10,610 lbs | Not Specified |
| <b>FUEL TANK CAPACITY PER EQUIPMENT</b>            | 223 Gallons   | Not Specified |
| <b>EQUIPMENT DIMENSIONS</b>                        | 18' .5" Long x 6' .5" Wide x 9' Tall  | Not Specified |
| <b>POTENTIAL APPLICATION EXAMPLE PER EQUIPMENT</b> | Small office building, emergency mobile trailers & operations, restaurants  | Not Specified |
| <b>SETUP TIME PER EQUIPMENT</b>                    | Cables from generator to main power feed estimated at 1 hour  | Not Specified |
| <b>EQUIPMENT EXAMPLE</b>                           | XQ125   | Not Specified |

GUIDANCE

INTERIM



## NOTES

Nationally typed resources represent the minimum criteria for the associated component and capability.

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## REFERENCES

FEMA, National Incident Management System (NIMS), October 2017

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