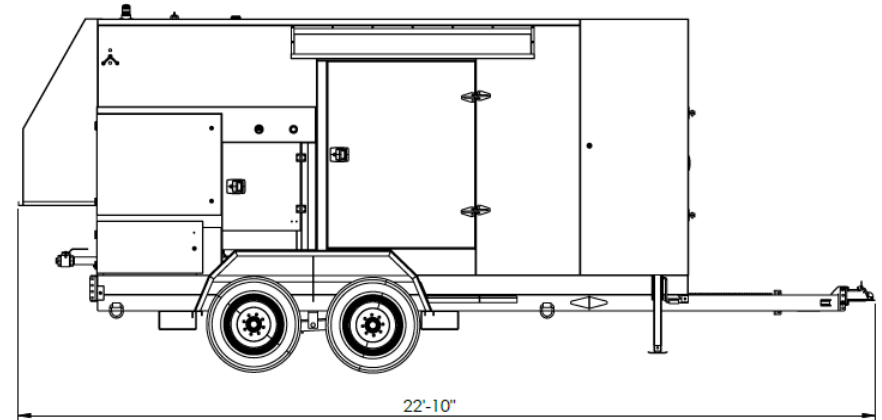
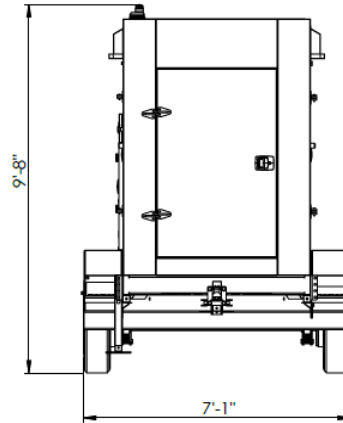




# 125kW 60Hz Commercial and Industrial Generator Set

1063R1\_9.9.2025



For more information regarding equipment specifications, please reach out to a Mesa sales rep.

## Wiring Configurations

|                       |                  |                  |                  |                |
|-----------------------|------------------|------------------|------------------|----------------|
| Rated Voltage         | 480/277          | 208/120          | 240/120          | 240/120        |
| Winding Configuration | Hi-Wye           | Lo-Wye           | Delta            | Zig Zag        |
| Phase                 | 3                | 3                | 3                | 1              |
| Prime Power           | 125 kW   156 kVA | 125 kW   156 kVA | 125 kW   156 kVA | 68 kW   85 kVA |
| Rated Amps            | 187              | 433              | 376              | 354            |

## Genset Information

|               |                  |
|---------------|------------------|
| Voltage       | 480 V            |
| Frequency     | 60 Hz            |
| NG PRP Rating | 125 kW   156 kVA |
| LP PRP Rating | 105 kW   131 kVA |
| Wet Weight    | 10,029 lbs       |

## Control System

|                               |               |
|-------------------------------|---------------|
| Controller Type               | DSE 8610 MKII |
| Synchronizing & Load Sharing  | Yes           |
| Telemetry & Remote Monitoring | Yes           |

## Engine Information

|                      |                             |
|----------------------|-----------------------------|
| Model                | PSI 8.1L                    |
| Nameplate Rating     | 150 kW   201 hp             |
| Speed                | 1,800 rpm                   |
| Displacement         | 8.1 L   492 in <sup>3</sup> |
| Cylinder Arrangement | 6 Cylinders Inline          |
| Aspiration Mode      | Turbocharged                |

## Emission Control

|                |     |
|----------------|-----|
| AFR Controller | Yes |
| NSCR Catalyst  | Yes |

## Fuel Consumption\*

| Load % | NG Rating        | LP Rating        |
|--------|------------------|------------------|
| 100%   | 1,509,862 Btu/hr | 1,314,246 Btu/hr |
| 75%    | 1,191,291 Btu/hr | 1,043,871 Btu/hr |
| 50%    | 884,639 Btu/hr   | 771,043 Btu/hr   |
| 25%    | 589,905 Btu/hr   | 495,763 Btu/hr   |

\* NG: HHV=1,041 Btu/scf (39 MJ/m<sup>3</sup>)

LP: HHV=2,538 Btu/scf (95 MJ/m<sup>3</sup>)

## Alternator

|                      |                  |
|----------------------|------------------|
| Manufacturer         | Stamford         |
| Model                | UCI274G Wdg. 311 |
| Rated Power Factor   | 0.8 PF           |
| Rating               | 185 kW   231 kVA |
| Excitation Type      | PMG              |
| Insulation Class     | Class H          |
| Temp. Rise / Ambient | 125 / 40°C       |
| Enclosure            | IP23             |