

The FG Wilson sound attenuated enclosures for the range of Perkins powered P550P1 to P750E1 generating sets are a result of continuing research and development by our specialist acoustic engineers.

These enclosures are fully weatherproof and incorporate internally mounted exhaust silencers. They are of extremely rugged construction in order to withstand rough handling conditions and are designed on modular principles with many interchangeable components permitting on-site repair.



## 550 - 750 kVA Generating Set Range

### Robust/Highly Corrosion Resistant Construction

- ▶ Black finish stainless steel locks and hinges
- ▶ Zinc plated or stainless steel fasteners
- ▶ Body made from steel components treated with polyester powder coating

### Excellent Access for Maintenance

- ▶ Two large doors on each side
- ▶ Radiator fill access cover
- ▶ Lube oil and cooling water drains piped to exterior of the enclosure

### Security and Safety

- ▶ Control panel viewing window in a lockable access door
- ▶ Recessed emergency stop push button (red) mounted on enclosure exterior
- ▶ Cooling fan and battery charging alternator fully guarded
- ▶ Fuel fill and battery can only be reached via lockable access doors
- ▶ Exhaust silencing system totally enclosed for operator safety

### Transportability

- ▶ Lifting points on baseframe

### Optional Features

- ▶ Oil field type skid with dragging points

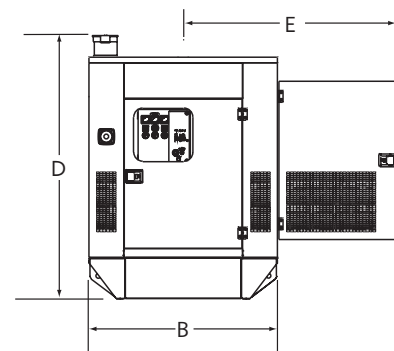
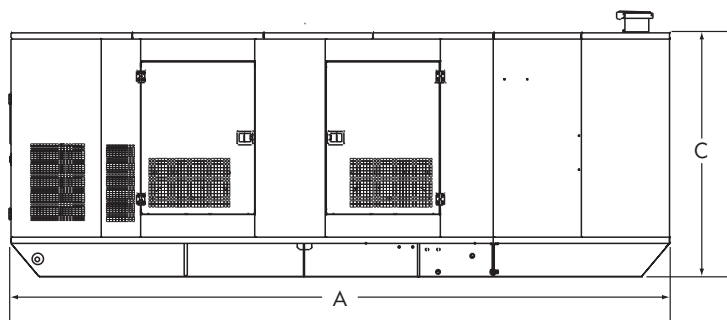


## Modular Acoustic Enclosure



| Sound Pressure Levels (dBA) |     |              |           |             |           |            |           |              |           |             |           |            |           |
|-----------------------------|-----|--------------|-----------|-------------|-----------|------------|-----------|--------------|-----------|-------------|-----------|------------|-----------|
| Generating Set Model        | LWA | 50 Hz        |           |             |           |            |           | 60 Hz        |           |             |           |            |           |
|                             |     | 15 m (50 ft) |           | 7 m (23 ft) |           | 1 m (3 ft) |           | 15 m (50 ft) |           | 7 m (23 ft) |           | 1 m (3 ft) |           |
|                             |     | 75% Load     | 100% Load | 75% Load    | 100% Load | 75% Load   | 100% Load | 75% Load     | 100% Load | 75% Load    | 100% Load | 75% Load   | 100% Load |
| P550P1                      | 103 | 68.0         | 69.5      | 74.0        | 75.5      | 84.0       | 85.3      | n/a          | n/a       | n/a         | n/a       | n/a        | n/a       |
| P605E1                      | 103 | 68.4         | 70.1      | 74.4        | 76.1      | 84.4       | 85.8      | n/a          | n/a       | n/a         | n/a       | n/a        | n/a       |
| P635E1                      | 103 | 68.7         | 70.4      | 74.7        | 76.4      | 84.6       | 86.1      | n/a          | n/a       | n/a         | n/a       | n/a        | n/a       |
| P600P1                      | 103 | 68.4         | 70.0      | 74.4        | 76.0      | 84.4       | 85.8      | n/a          | n/a       | n/a         | n/a       | n/a        | n/a       |
| P660E1                      | 103 | 68.9         | 70.6      | 74.9        | 76.6      | 84.8       | 86.3      | n/a          | n/a       | n/a         | n/a       | n/a        | n/a       |
| P635P1                      | 103 | 68.7         | 70.4      | 74.7        | 76.4      | 84.6       | 86.1      | n/a          | n/a       | n/a         | n/a       | n/a        | n/a       |
| P700E1                      | 103 | 69.2         | 71.1      | 75.2        | 77.1      | 85.1       | 86.7      | n/a          | n/a       | n/a         | n/a       | n/a        | n/a       |
| P675P1                      | TBA | n/a          | n/a       | n/a         | n/a       | n/a        | n/a       | 70.7         | 72.4      | 76.7        | 78.4      | 86.6       | 88.1      |
| P750E1                      | TBA | n/a          | n/a       | n/a         | n/a       | n/a        | n/a       | 71.2         | 73.1      | 77.2        | 79.1      | 87.1       | 88.7      |

Levels in accordance with European Noise Directive (2000/14/EC)



## Dimensions and Weights

| Generating Set Model | A: mm (in) | B: mm (in)  | C: mm (in)  | D: mm (in)  | E: mm (in)* | Weight: kgs (lb) | Fuel Tank Capacity |
|----------------------|------------|-------------|-------------|-------------|-------------|------------------|--------------------|
|                      |            |             |             |             |             |                  | Litres (US Gal)    |
| P550P1               | 5880 (231) | 1930 (76.0) | 2200 (87.4) | 2400 (94.5) | 1834 (72.2) | 6266 (13814)     | 1350 (357)         |
| P605E1               | 5880 (231) | 1930 (76.0) | 2200 (87.4) | 2400 (94.5) | 1834 (72.2) | 6266 (13814)     | 1350 (357)         |
| P635E1               | 5880 (231) | 1930 (76.0) | 2200 (87.4) | 2400 (94.5) | 1834 (72.2) | 6330 (13955)     | 1350 (357)         |
| P600P1               | 5880 (231) | 1930 (76.0) | 2200 (87.4) | 2400 (94.5) | 1834 (72.2) | 6330 (13955)     | 1350 (357)         |
| P660E1               | 5880 (231) | 1930 (76.0) | 2200 (87.4) | 2400 (94.5) | 1834 (72.2) | 6330 (13955)     | 1350 (357)         |
| P635P1               | 5880 (231) | 1930 (76.0) | 2200 (87.4) | 2400 (94.5) | 1834 (72.2) | 6430 (14176)     | 1350 (357)         |
| P700E1               | 5880 (231) | 1930 (76.0) | 2200 (87.4) | 2400 (94.5) | 1834 (72.2) | 6430 (14176)     | 1350 (357)         |
| P675P1               | 5880 (231) | 1930 (76.0) | 2200 (87.4) | 2400 (94.5) | 1834 (72.2) | 6535 (14176)     | 1350 (357)         |
| P750E1               | 5880 (231) | 1930 (76.0) | 2200 (87.4) | 2400 (94.5) | 1834 (72.2) | 6535 (14176)     | 1350 (357)         |

Weight with lube oil, no coolant, no fuel.

\* Clearance required on both sides



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