

The FG Wilson enclosure for the range of Perkins powered P450P3 to P688ER2 generating sets are a result of continuing research and development by our specialist acoustic engineers. **These enclosures are designed for operation in high ambient environments up to 50°C, with no loss of cooling system performance.**

The fully weatherproof and sound attenuated enclosure incorporates internally mounted exhaust silencers and is extremely robust in order to withstand the rough handling common on many construction sites. It is designed on modular principles with many interchangeable components permitting on-site repair.



450 - 688 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 plate
- ▶ Lube oil and cooling water drains piped to exterior of the enclosure

Security and Safety

- ▶ Control panel viewing window in a lockable access door
- ▶ 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

- ▶ Tested and certified single point lifting facility
- ▶ Lifting points on baseframe

Optional Features

- ▶ Oil field type skid with dragging points and fork lift truck pockets



High Ambient Acoustic Enclosure

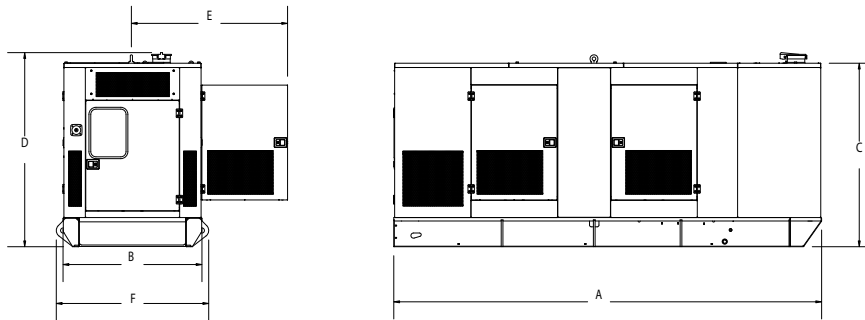


Sound Pressure Levels (dBA)

Generating Set Model	50 Hz						60 Hz					
	15m (50ft)		7m (23ft)		1m (3ft)		15m (50ft)		7m (23ft)		1m (3ft)	
	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load
P450P3	64.6	65.3	70.6	71.3	81.2	81.7	-	-	-	-	-	-
P500E3	64.8	65.6	70.8	71.6	81.4	82.0	-	-	-	-	-	-
P500P3	64.8	65.7	70.8	71.7	81.3	82.1	-	-	-	-	-	-
P550E3	65.1	66.1	71.1	72.1	81.5	82.4	-	-	-	-	-	-
P513P1	-	-	-	-	-	-	65.9	66.7	71.9	72.7	83.3	83.9
P563E1	-	-	-	-	-	-	66.1	67.1	72.1	73.1	83.5	84.1
P563P3	-	-	-	-	-	-	66.1	67.1	72.1	73.1	83.5	84.1
P625E3	-	-	-	-	-	-	66.4	67.6	72.4	73.6	83.7	84.4
P450P2	63.8	65.0	69.8	71.0	80.8	81.7	-	-	-	-	-	-
P500E2	64.1	65.6	70.1	71.6	81.1	82.2	-	-	-	-	-	-
P500P2	64.0	65.5	70.0	71.5	81.0	82.0	-	-	-	-	-	-
P550E2	64.4	66.2	70.4	72.2	81.2	82.4	-	-	-	-	-	-
P688ER2*	-	-	-	-	-	-	66.8	68.6	72.8	74.6	83.8	85.2

Levels in accordance with European Noise Directive (2000/14/EC). All sound figures are preliminary until further notice.

*Emergency Rating (Models with suffix "ER") - these ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure, up to a maximum of 200 hours per year. No overload is permitted on these ratings. Exceeding 200 hours operation per year may result in a reduced product life.



Dimensions and Weights

Generating Set Model	A: mm (in)	B: mm (in)	C: mm (in)	D: mm (in)	E:* mm (in)	F: mm (in)	Weight: kg (lb)	Fuel Capacity:
P450P3	4990 (196.5)	1778 (70.0)	2140 (84.3)	2262 (89.1)	1810 (71.3)	1717 (67.6)	5463 (12044)	1000 (264)
P500E3	4990 (196.5)	1778 (70.0)	2140 (84.3)	2262 (89.1)	1810 (71.3)	1717 (67.6)	5463 (12044)	1000 (264)
P500P3	4990 (196.5)	1778 (70.0)	2140 (84.3)	2262 (89.1)	1810 (71.3)	1717 (67.6)	5590 (12324)	1000 (264)
P550E3	4990 (196.5)	1778 (70.0)	2140 (84.3)	2262 (89.1)	1810 (71.3)	1717 (67.6)	5590 (12324)	1000 (264)
P513P1	4990 (196.5)	1778 (70.0)	2140 (84.3)	2262 (89.1)	1810 (71.3)	1717 (67.6)	5463 (12044)	1000 (264)
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P625E3	4990 (196.5)	1778 (70.0)	2140 (84.3)	2262 (89.1)	1810 (71.3)	1717 (67.6)	5590 (12324)	1000 (264)
P450P2	4990 (196.5)	1778 (70.0)	2140 (84.3)	2262 (89.1)	1810 (71.3)	1717 (67.6)	5463 (12044)	1000 (264)
P500E2	4990 (196.5)	1778 (70.0)	2140 (84.3)	2262 (89.1)	1810 (71.3)	1717 (67.6)	5463 (12044)	1000 (264)
P500P2	4990 (196.5)	1778 (70.0)	2140 (84.3)	2262 (89.1)	1810 (71.3)	1717 (67.6)	5590 (12324)	1000 (264)
P550E2	4990 (196.5)	1778 (70.0)	2140 (84.3)	2262 (89.1)	1810 (71.3)	1717 (67.6)	5590 (12324)	1000 (264)
P688ER2	4990 (196.5)	1778 (70.0)	2140 (84.3)	2262 (89.1)	1810 (71.3)	1717 (67.6)	5612 (13372)	1000 (264)

Weight with lube oil, no coolant, no fuel. * Clearance required on both sides.



FG Wilson has manufacturing facilities in the following locations:

Northern Ireland • Brazil • China • India • USA

With headquarters in Northern Ireland, FG Wilson operates through a Global Dealer Network. To contact your local Sales Office please visit the FG Wilson website at

www.FGWilson.com

