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# CAE Modular Acoustic Enclosure

## 24 – 220 kVA Range

The intelligent and striking design of the 24 – 220 kVA enclosure range meets the demands of diverse applications. Extremely durable, the enclosures are designed to resist corrosion and handling damage.

### Durable and Robust Construction

- Manufactured from galvanised steel
- Advanced powder coating paint finish
- Single piece main roof
- Baseframe extends beyond enclosure protecting against handling damage
- Minimal external fixings exposed to environment
- Zinc plated fasteners
- Corner posts and air handling units manufactured from high grade composite material

### Excellent Service and Maintenance Access

- Side hinged doors on both sides of the enclosure incorporating lift-off hinges at 45 degrees
- Radiator fill via removable, flush mounted rain cap fitted with compression seal
- Lube oil drain valves / Coolant drain valves
- Removable end panels allow access to radiator, exhaust outlet and alternator rear
- Doors positioned for optimum access to frequently serviced items



All FG Wilson weatherproof sound attenuated enclosures are the result of continuing research and development by our specialist acoustic engineers. **These enclosures reduce sound levels to comply with the stage 2 levels of the European Community Directive 2000/14/EC which became effective 3 January 2006.**

### Security and Safety

- Secure, lockable doors prevent unauthorised access to control panel, fuel fill and battery
- Emergency stop button mounted on exterior, convenient to control panel
- Cooling fan and battery charging alternator fully guarded

### Transportability

- Optional tested and certified lifting arch
- Lifting and drag points on baseframe facilitating handling from both sides

## Sound Attenuated (SA) Sound Pressure Levels (dBA)

Generator Set Model		50 Hz							60 Hz					
		15m (50ft)			7m (23ft)		1m (3ft)		15m (50ft)		7m (23ft)		1m (3ft)	
		LWA	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load
<b>3 Phase Models</b>														
P33-3	Prime	93	60.5	61.8	66.5	67.8	76.3	78.4	60.6	62.7	66.6	68.7	77.6	79.9
	Standby	93	60.9	62.4	66.9	68.4	76.9	79.4	61.2	63.8	67.2	69.8	78.2	81.1
P33-6	Prime	94	59.4	61.3	65.4	67.3	76.5	78.6	–	–	–	–	–	–
	Standby	94	60.0	62.1	66.0	68.1	77.1	79.6	–	–	–	–	–	–
P50-3	Prime	93	56.7	57.7	62.7	63.7	76.7	77.9	59.7	60.8	65.7	66.8	79.5	80.8
	Standby	93	56.9	58.2	62.9	64.2	77.0	78.5	60.1	61.5	66.1	67.5	80.0	81.6
P50-4	Prime	90	55.7	56.4	61.7	62.4	75.3	75.5	–	–	–	–	–	–
	Standby	90	55.9	56.7	61.9	62.7	75.4	75.6	–	–	–	–	–	–
P55-3	Prime	93	56.9	58.2	62.9	64.2	77.0	78.5	60.1	61.5	66.1	67.5	80.0	81.6
	Standby	93	57.3	58.9	63.3	64.9	77.4	79.2	60.5	62.2	66.5	68.2	80.5	82.4
P55-4	Prime	91	56.2	56.5	62.2	62.5	75.3	75.5	–	–	–	–	–	–
	Standby	91	56.3	56.7	62.3	62.7	75.3	75.6	–	–	–	–	–	–
P65-5	Prime	93	57.6	59.4	63.6	65.4	77.8	79.7	61.0	63.0	67.0	69.0	81.0	83.3
	Standby	93	58.1	60.5	64.1	66.5	78.3	80.8	61.5	63.8	67.5	69.8	81.6	84.2
P65-6	Prime	91	57.7	58.5	63.7	64.5	75.8	77.1	–	–	–	–	–	–
	Standby	91	57.9	58.9	63.9	64.9	76.2	77.8	–	–	–	–	–	–
P88-3	Prime	92	57.7	59.1	63.7	65.1	76.0	77.0	60.6	61.2	66.6	67.2	79.0	79.5
	Standby	92	58.1	59.8	64.1	65.8	76.2	77.4	60.8	61.5	66.8	67.5	79.2	79.6
P88-6	Prime	96	61.3	61.4	67.3	67.4	80.1	80.2	–	–	–	–	–	–
	Standby	96	61.3	61.5	67.3	67.5	80.2	80.3	–	–	–	–	–	–
P110-3	Prime	96	62.4	63.1	68.4	69.1	80.4	81.0	65.2	65.4	71.2	71.4	84.4	84.6
	Standby	96	62.6	63.5	68.6	69.5	80.6	81.3	65.2	65.5	71.2	71.5	84.5	84.7
P110-6	Prime	94	61.4	61.6	67.4	67.6	80.2	80.3	–	–	–	–	–	–
	Standby	94	61.5	61.7	67.5	67.7	80.2	80.4	–	–	–	–	–	–
P150-3	Prime	96	61.2	61.7	67.2	67.7	79.2	79.4	64.3	64.5	70.3	70.5	82.8	83.0
	Standby	96	61.4	61.8	67.4	67.8	79.3	79.4	64.4	64.6	70.4	70.6	82.9	83.1
P150-4	Prime	95	58.5	58.9	64.5	64.9	77.0	77.3	–	–	–	–	–	–
	Standby	95	58.6	59.1	64.6	65.1	77.1	77.5	–	–	–	–	–	–
P165-3	Prime	96	62.7	63.4	68.7	69.4	79.3	79.9	–	–	–	–	–	–
	Standby	96	62.9	63.7	68.9	69.7	79.5	80.2	–	–	–	–	–	–
P165-4	Prime	95	58.6	59.1	64.6	65.1	77.1	77.5	–	–	–	–	–	–
	Standby	95	58.8	59.4	64.8	65.4	77.2	77.7	–	–	–	–	–	–
P200-3	Prime	97	62.0	62.4	68.0	68.4	80.2	80.4	–	–	–	–	–	–
	Standby	97	62.1	62.7	68.1	68.7	80.2	80.5	–	–	–	–	–	–
P200-4	Prime	95	59.4	60.2	65.4	66.2	77.7	78.1	63.2	63.6	69.2	69.6	82.9	83.1
	Standby	95	59.6	60.5	65.6	66.5	77.8	78.3	63.3	63.8	69.3	69.8	83.0	83.2
P220-3	Prime	97	62.3	63.5	68.3	69.5	80.0	80.7	–	–	–	–	–	–
	Standby	97	62.7	64.0	68.7	70.0	80.2	81.1	–	–	–	–	–	–

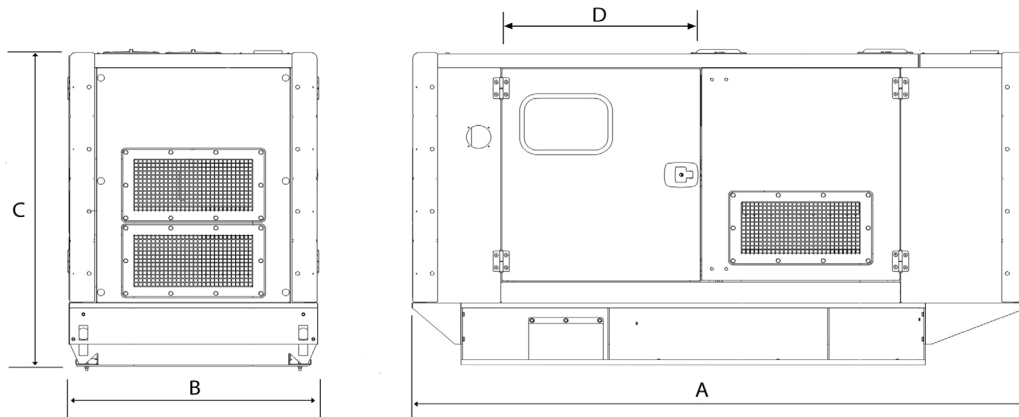
Levels in accordance with European Noise Directive (2000/14/EC).

## Sound Attenuated (SA) Sound Pressure Levels (dBA)

Generator 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	
<b>Single Phase Models</b>														
P26-3S	Prime	93	60.5	61.8	66.5	67.8	76.3	78.4	–	–	–	–	–	–
	Standby	93	60.9	62.4	66.9	68.4	76.9	79.4	–	–	–	–	–	–
P26-6S	Prime	94	60.5	61.8	66.5	67.8	76.3	78.4	–	–	–	–	–	–
	Standby	94	60.9	62.4	66.9	68.4	76.9	79.4	–	–	–	–	–	–
P40-3S	Prime	93	56.7	57.7	62.7	63.7	76.7	77.9	59.7	60.8	65.7	66.8	79.5	80.8
	Standby	93	56.9	58.2	62.9	64.2	77.0	78.5	60.1	61.5	66.1	67.5	80.0	81.6
P40-4S	Prime	90	55.7	56.4	61.7	62.4	75.3	75.5	–	–	–	–	–	–
	Standby	90	55.9	56.7	61.9	62.7	75.4	75.6	–	–	–	–	–	–
P50-5S	Prime	91	58.1	59.1	64.1	65.1	76.6	77.3	61.1	62.1	67.1	68.1	78.9	80.0
	Standby	91	58.5	59.5	64.5	65.5	76.9	77.6	61.4	62.5	67.4	68.5	79.3	80.5
P50-6S	Prime	91	57.7	58.5	63.7	64.5	75.8	77.1	–	–	–	–	–	–
	Standby	91	57.9	58.9	63.9	64.9	76.2	77.8	–	–	–	–	–	–
P80-3S	Prime	96	62.2	62.8	68.2	68.8	80.2	80.8	65.1	65.3	71.1	71.3	84.4	84.6
	Standby	96	62.4	63.1	68.4	69.1	80.4	81.0	65.2	65.4	71.2	71.4	84.4	84.6
P80-6S	Prime	92	61.3	61.5	67.3	67.5	80.2	80.3	–	–	–	–	–	–
	Standby	92	61.4	61.6	67.4	67.6	80.2	80.3	–	–	–	–	–	–

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

## Dimensions, Weights and Fuel Capacities



Generator Set Model	A: mm (in)	B: mm (in)	C: mm (in)	D*: mm (in)	Weight: kg (lb)	Fuel Capacity l (US gal)
<b>3 Phase Models</b>						
P33-3	2120 (83.5)	970 (38.2)	1525 (60.0)	718 (28.3)	991 (2185)	161 (43.0)
P33-6	2120 (83.5)	970 (38.2)	1525 (60.0)	718 (28.3)	991 (2185)	161 (43.0)
P50-3	2300 (90.6)	1120 (44.1)	1525 (60.0)	795 (31.3)	1191 (2626)	219 (58.0)
P50-4	2300 (90.6)	1120 (44.1)	1525 (60.0)	795 (31.3)	1183 (2608)	219 (58.0)
P55-3	2300 (90.6)	1120 (44.1)	1525 (60.0)	795 (31.3)	1196 (2637)	219 (58.0)
P55-4	2300 (90.6)	1120 (44.1)	1525 (60.0)	795 (31.3)	1236 (2725)	219 (58.0)
P65-5	2300 (90.6)	1120 (44.1)	1525 (60.0)	795 (31.3)	1207 (2661)	219 (58.0)
P65-6	2300 (90.6)	1120 (44.1)	1525 (60.0)	795 (31.3)	1247 (2749)	219 (58.0)
P88-3	2300 (90.6)	1120 (44.1)	1525 (60.0)	795 (31.3)	1416 (3122)	219 (58.0)
P88-6	2770 (109.1)	1120 (44.1)	1525 (60.0)	896 (35.3)	1576 (3474)	250 (66.0)
P110-3	2770 (109.1)	1120 (44.1)	1525 (60.0)	896 (35.3)	1600 (3527)	250 (66.0)
P110-6	2770 (109.1)	1120 (44.1)	1525 (60.0)	896 (35.3)	1690 (3726)	250 (66.0)
P150-3	3520 (138.6)	1120 (44.1)	1815 (71.5)	1145 (45.1)	1970 (4343)	349 (92.2)
P150-4	3520 (138.6)	1120 (44.1)	1815 (71.5)	1145 (45.1)	2010 (4431)	349 (92.2)
P165-3	3520 (138.6)	1120 (44.1)	1815 (71.5)	1145 (45.1)	2025 (4464)	349 (92.2)
P165-4	3520 (138.6)	1120 (44.1)	1815 (71.5)	1145 (45.1)	2065 (4553)	349 (92.2)
P200-3	3520 (138.6)	1320 (52.0)	1815 (71.5)	1080 (42.5)	2198 (4846)	418 (110.4)
P200-4	3520 (138.6)	1320 (52.0)	1815 (71.5)	1080 (42.5)	2198 (4846)	418 (110.4)
P220-3	3520 (138.6)	1320 (52.0)	1815 (71.5)	1080 (42.5)	2238 (4934)	418 (110.4)
<b>Single Phase Models</b>						
P26-3S	2120 (83.5)	970 (38.2)	1525 (60.0)	718 (28.3)	991 (2185)	161 (43.0)
P26-6S	2120 (83.5)	970 (38.2)	1525 (60.0)	718 (28.3)	991 (2185)	161 (43.0)
P40-3S	2300 (90.6)	1120 (44.1)	1525 (60.0)	795 (31.3)	1247 (2749)	219 (58.0)
P40-4S	2300 (90.6)	1120 (44.1)	1525 (60.0)	795 (31.3)	1199 (2643)	219 (58.0)
P50-5S	2300 (90.6)	1120 (44.1)	1525 (60.0)	795 (31.3)	1340 (2954)	219 (58.0)
P50-6S	2300 (90.6)	1120 (44.1)	1525 (60.0)	795 (31.3)	1380 (3042)	219 (58.0)
P80-3S	2770 (109.1)	1120 (44.1)	1525 (60.0)	896 (35.3)	1710 (3770)	250 (66.0)
P80-6S	2770 (109.1)	1120 (44.1)	1525 (60.0)	896 (35.3)	1750 (3858)	250 (66.0)

\*Clearance required on both sides of set. Weight with lube oil and coolant, no fuel.

### FG Wilson manufactures product 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](http://www.FGWilson.com).

FG Wilson is a trading name of Caterpillar (NI) Limited.