



[www.FGWilson.com](http://www.FGWilson.com)

# Modular Acoustic Enclosure

## 455 – 750 kVA Range

The innovative and functional design of the 455 – 750 kVA enclosure range ensures performance in the harshest of environments. Extremely durable and robust, the enclosures are designed to resist corrosion and handling damage with the ability to withstand rough handling common on many construction sites.

Developed through continuing research and development by our specialist engineers, all FG Wilson enclosures are fully weatherproof incorporating internally mounted exhaust silencers. Designed on modular principles, they have interchangeable components permitting on site repair.

### Robust/Highly Corrosion Resistant Construction

- Galvanised steel construction further protected by polyester powder coat paint
- Base frame extends beyond enclosure protecting against handling damage
- Reinforced lap roof joints protecting against water ingress
- Black finish stainless steel locks and hinges
- Zinc plated / stainless steel fasteners
- Corner posts manufactured from high grade composite material

### 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



The CAE enclosures reduce sound levels to comply with Stage II levels of the European Community Directive 2000/14/EC which became effective 3 January 2006.

The FG Wilson CAHA enclosures, also available across the entire 455 – 750 kVA range are designed for operation in high ambient environments up to 50°C, with no loss of cooling system performance.

### Excellent Service and Maintenance Access

- Large side hinged doors on both sides of enclosure providing optimal access
- Retaining bars securing door positions during servicing
- Removable ducts providing maintenance access with enclosure in place
- Radiator fill via removable, flush mounted rain cap fitted with compression seal
- Lube oil and coolant drains piped to base frame, exterior to the enclosure

### Transportability

- Tested and certified lifting arch (excluding 2806)
- Lifting, drag and jacking points on base frame

**FG Wilson has manufacturing facilities in the following locations:**

Northern Ireland • Brazil • China • India • USA

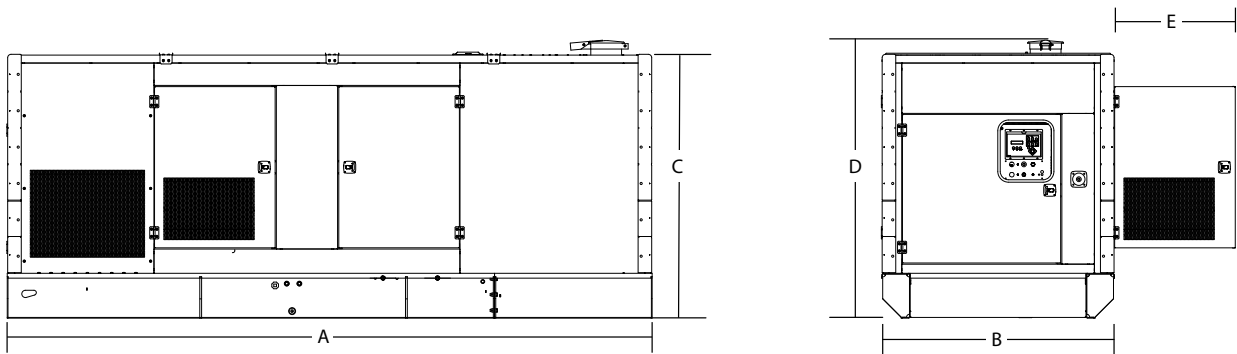
With headquarters in Northern Ireland, FG Wilson operates through a Global Dealer Network.

To contact your local Sales Office please visit the FG Wilson website at [www.FGWilson.com](http://www.FGWilson.com)

## Sound Pressure Levels (dBA) - CAE

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
P500-1	Prime	63.0	63.9	69.0	69.9	79.2	80.0	-	-	-	-	-	-
	Standby	63.3	64.2	69.3	70.2	79.4	80.3	-	-	-	-	-	-
P550-1	Prime	63.3	64.2	69.3	70.2	79.4	80.3	-	-	-	-	-	-
	Standby	63.6	64.6	69.6	70.6	79.7	80.7	-	-	-	-	-	-
P563-1	Prime	-	-	-	-	-	-	65.1	66.1	71.1	72.1	81.4	82.4
	Standby	-	-	-	-	-	-	65.4	66.6	71.4	72.6	81.7	82.9
P605-1	Prime	64.5	66.0	70.5	72.0	80.1	81.3	-	-	-	-	-	-
	Standby	65.0	66.6	71.0	72.6	80.5	81.8	-	-	-	-	-	-
P625-1	Prime	-	-	-	-	-	-	65.4	66.7	71.4	72.7	81.7	82.9
	Standby	-	-	-	-	-	-	65.7	67.3	71.7	73.3	82.1	83.5
P660-1	Prime	65.7	66.4	71.7	72.4	81.6	82.2	-	-	-	-	-	-
	Standby	65.9	66.6	71.9	72.6	81.8	82.4	-	-	-	-	-	-
P688-1	Prime	-	-	-	-	-	-	67.2	67.5	73.2	73.5	85.5	85.6
	Standby	-	-	-	-	-	-	67.3	67.5	73.3	73.5	85.5	85.6
P700-1	Prime	65.8	66.5	71.8	72.5	81.7	82.3	-	-	-	-	-	-
	Standby	66.1	66.7	72.1	72.7	82.0	82.4	-	-	-	-	-	-
P750-1	Prime	-	-	-	-	-	-	67.3	67.5	73.3	73.5	85.5	85.6
	Standby	-	-	-	-	-	-	67.4	67.6	73.4	73.6	85.6	85.5

These generator sets meet LWA legislation.



## Dimensions and Weights – CAE

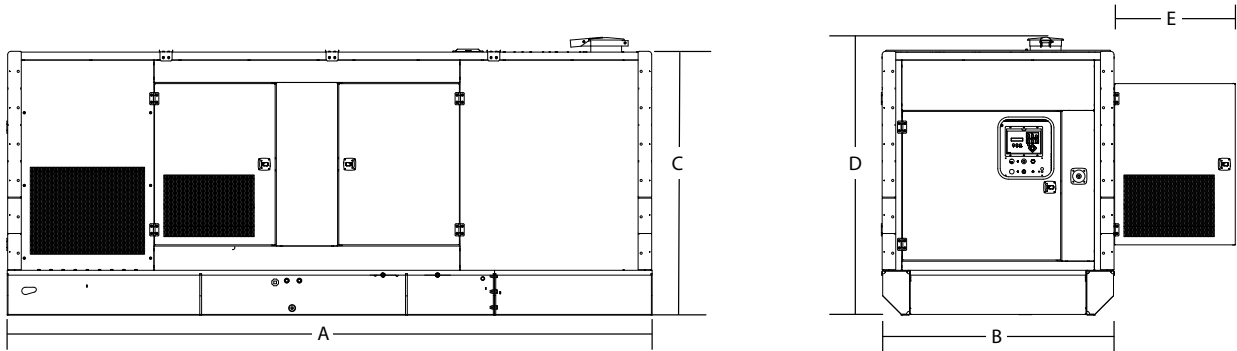
Generating Set Model	A: mm (in)	B: mm (in)	C: mm (in)	D: mm (in)	E: mm (in)*	Weight: kg (lb)	Fuel Tank Capacity litres (US gal)
P500-1	4930 (194.0)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	5106 (11257)	915 (242)
P550-1	4930 (194.0)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	5230 (11530)	915 (242)
P563-1	4930 (194.0)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	5160 (11257)	915 (242)
P605-1	5320 (209.4)	1920 (75.6)	2177 (85.7)	2245 (88.3)	995 (39.2)	5845 (12886)	1215 (321)
P625-1	4930 (194.0)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	5230 (11530)	915 (242)
P660-1	5320 (209.4)	1920 (75.6)	2177 (85.7)	2245 (88.3)	995 (39.2)	5950 (13117)	1215 (321)
P688-1	5320 (209.4)	1920 (75.6)	2177 (85.7)	2245 (88.3)	995 (39.2)	5845 (12886)	1215 (321)
P700-1	5320 (209.4)	1920 (75.6)	2177 (85.7)	2245 (88.3)	995 (39.2)	6000 (13228)	1215 (321)
P750-1	5320 (209.4)	1920 (75.6)	2177 (85.7)	2245 (88.3)	995 (39.2)	5960 (13140)	1215 (321)

Weight with lube oil, coolant, no fuel.

\* Clearance required on both sides

## Sound Pressure Levels (dBA) - CAHA

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
P500-1	Prime	69.6	70.9	75.6	76.9	87.8	88.7	-	-	-	-	-	-
	Standby	70.0	71.3	76.0	77.3	88.1	89.0	-	-	-	-	-	-
P550-1	Prime	70.0	71.3	76.0	77.3	88.1	89.0	-	-	-	-	-	-
	Standby	70.4	71.8	76.4	77.8	88.4	89.3	-	-	-	-	-	-
P563-1	Prime	-	-	-	-	-	-	72.7	73.6	78.7	79.6	91.0	91.9
	Standby	-	-	-	-	-	-	73.0	74.0	79.0	80.0	91.3	92.2
P605-1	Prime	70.0	71.3	76.0	77.3	87.4	88.9	-	-	-	-	-	-
	Standby	70.4	71.7	76.4	77.7	87.8	89.5	-	-	-	-	-	-
P625-1	Prime	-	-	-	-	-	-	73.1	74.0	79.1	80.0	91.3	92.3
	Standby	-	-	-	-	-	-	73.4	74.3	79.4	80.3	91.6	92.6
P660-1	Prime	70.3	71.7	76.3	77.7	87.8	89.4	-	-	-	-	-	-
	Standby	70.8	72.1	76.8	78.1	88.3	90.1	-	-	-	-	-	-
P688-1	Prime	-	-	-	-	-	-	71.7	72.4	77.7	78.4	89.9	90.6
	Standby	-	-	-	-	-	-	71.9	72.6	77.9	78.6	90.1	90.9
P700-1	Prime	70.6	72.0	76.6	78.0	88.1	89.8	-	-	-	-	-	-
	Standby	71.1	72.4	77.1	78.4	88.6	90.5	-	-	-	-	-	-
P750-1	Prime	-	-	-	-	-	-	71.9	72.6	77.9	78.6	90.1	90.8
	Standby	-	-	-	-	-	-	72.1	72.8	78.1	78.8	90.3	91.1



## Dimensions and Weights – CAHA

Generating Set Model	A:	B:	C:	D:	E:	Weight: kg (lb)	Fuel Tank Capacity litres (US gal)
	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)*		
P500-1	4930 (194.0)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	5106 (11257)	915 (242)
P550-1	4930 (194.0)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	5230 (11530)	915 (242)
P563-1	4930 (194.0)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	5160 (11257)	915 (242)
P605-1	5320 (209.4)	1920 (75.6)	2177 (85.7)	2245 (88.3)	995 (39.2)	5845 (12886)	1215 (321)
P625-1	4930 (194.0)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	5230 (11530)	915 (242)
P660-1	5320 (209.4)	1920 (75.6)	2177 (85.7)	2245 (88.3)	995 (39.2)	5950 (13117)	1215 (321)
P688-1	5320 (209.4)	1920 (75.6)	2177 (85.7)	2245 (88.3)	995 (39.2)	5845 (12886)	1215 (321)
P700-1	5320 (209.4)	1920 (75.6)	2177 (85.7)	2245 (88.3)	995 (39.2)	6000 (13228)	1215 (321)
P750-1	5320 (209.4)	1920 (75.6)	2177 (85.7)	2245 (88.3)	995 (39.2)	5960 (13140)	1215 (321)

Weight with lube oil, coolant, no fuel.

\* Clearance required on both sides

## CAE Sound Attenuated Enclosure

		Ambient Capability*			
		50 Hz		60 Hz	
Generator Set Model	Engine	°C	°F	°C	°F
P500-1	2506A-E15TAG1	46	115	–	–
P550-1	2506A-E15TAG2	41	106	–	–
P563-1	2506A-E15TAG3	–	-	48	118
P605-1	2806A-E18TAG1	50	122	–	–
P625-1	2506A-E15TAG4	–	-	44	111
P660-1	2806A-E18TAG1A	46	115	–	–
P688-1	2806A-E18TAG1A	–	-	48	118
P700-1	2806A-E18TAG2	43	109	–	–
P750-1	2806A-E18TAG3	–	–	42	108

\*Cooling system performance figures based on full load. Power output derate will apply.

## CAHA High Ambient Enclosure

		Ambient Capability*			
		50 Hz		60 Hz	
Generator Set Model	Engine	°C	°F	°C	°F
P500-1	2506A-E15TAG1	55	131	-	-
P550-1	2506A-E15TAG2	52	126	-	-
P563-1	2506A-E15TAG3	-	-	55	136
P605-1	2806A-E18TAG1	55	133	-	-
P625-1	2506A-E15TAG4	-	-	54	129
P660-1	2806A-E18TAG1A	54	129	-	-
P688-1	2806A-E18TAG1A	-	-	55	133
P700-1	2806A-E18TAG2	52	126	-	-
P750-1	2806A-E18TAG3	-	-	53	127

\*Designed for operation in high ambient environments up to 50°C with no loss of cooling system performance. Power output derate will apply.

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In line with our policy of continuous product development, we reserve the right to change specification without notice.

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