

# Modular Acoustic Enclosures

350– 750 kVA Range (CAE)



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



The innovative and functional design of the 350 – 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 weather resistant and incorporate internally mounted exhaust silencers. Designed on modular principles, they have interchangeable components permitting on site repair.

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 350 – 750 kVA range are designed for operation in high ambient environments up to 50°C, with no loss of cooling system performance.

### Excellent Access for Maintenance

- » 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 drain valves

### 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



### Transportability

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

### 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

## Sound Pressure Levels (dBA) - CAE

Generator Set Model		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	
P400-3	Prime	-	63.4	64.1	69.4	70.1	80.5	81.1	-	-	-	-	-	-
	Standby	-	63.6	64.3	69.6	70.3	80.7	81.4	-	-	-	-	-	-
P438-3	Prime	-	-	-	-	-	-	-	65.7	66.2	71.7	72.2	84.0	84.4
	Standby	-	-	-	-	-	-	-	65.9	66.4	71.9	72.4	84.1	84.5
P450-3	Prime	98	63.6	64.4	69.6	70.4	80.7	81.5	-	-	-	-	-	-
	Standby	98	63.9	64.6	69.9	70.6	81.0	81.8	-	-	-	-	-	-
P500-3	Prime	98	63.0	63.9	69.0	69.9	79.2	80.0	-	-	-	-	-	-
	Standby	98	63.3	64.2	69.3	70.2	79.4	80.3	-	-	-	-	-	-
P501-3	Prime	-	-	-	-	-	-	-	64.4	65.6	70.4	71.6	81.4	82.8
	Standby	-	-	-	-	-	-	-	64.7	66.2	70.7	72.2	81.8	83.4
P550-3	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	-	-	-	-	-	-
P563-3	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
P605-3	Prime	101	65.5	66.2	71.5	72.2	81.4	82.1	-	-	-	-	-	-
	Standby	101	65.7	66.4	71.7	72.4	81.6	82.2	-	-	-	-	-	-
P625-3	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
P660-3	Prime	101	65.7	66.4	71.7	72.4	81.6	82.2	-	-	-	-	-	-
	Standby	101	65.9	66.6	71.9	72.6	81.8	82.4	-	-	-	-	-	-
P688-3	Prime	-	-	-	-	-	-	-	62.2	67.5	73.2	73.5	85.5	85.6
	Standby	-	-	-	-	-	-	-	67.3	67.5	73.3	73.5	85.5	85.6
P715-3	Prime	101	65.8	66.5	71.8	72.5	81.7	82.3	-	-	-	-	-	-
	Standby	101	66.1	66.7	72.1	72.7	82.0	82.4	-	-	-	-	-	-
P750-3	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

## CAE High Ambient Enclosure

Generator Set Model		Engine Model		Ambient Capability*			
				50 Hz		60 Hz	
				°C	°F	°C	°F
P400-3		2206A-E13TAG2	54	129	-	-	
P438-3		2206A-E13TAG5	-	-	57	135	
P450-3		2206A-E13TAG3	49	120	-	-	
P500-3		2506A-E15TAG1	46	115	-	-	
P501-3		2206A-E13TAG6	-	-	51	124	
P550-3		2506A-E15TAG2	41	106	-	-	
P563-3		2506A-E15TAG3	-	-	48	118	
P605-3		2806A-E18TAG1	50	122	-	-	
P625-3		2506A-E15TAG4	-	-	44	111	
P660-3		2806A-E18TAG1A	46	115	-	-	
P688-3		2806A-E18TAG1A	-	-	48	118	
P700-3		2806A-E18TAG2	43	109	-	-	
P750-3		2806A-E18TAG3	-	-	42	108	

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

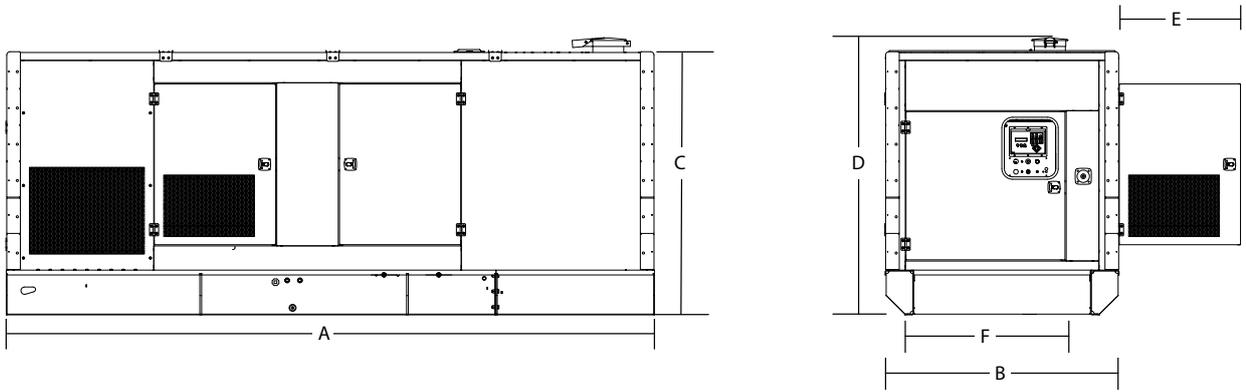
## Sound Pressure Levels (dBA) - CAHA

Generator Set Model		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	
P400-3	Prime	-	66.8	68.7	72.8	74.7	84.8	86.5	-	-	-	-	-	-
	Standby	-	67.4	69.5	73.4	75.5	85.3	87.2	-	-	-	-	-	-
P438-3	Prime	-	-	-	-	-	-	-	68.5	69.7	74.5	75.7	86.6	87.9
	Standby	-	-	-	-	-	-	-	68.9	70.2	74.9	76.2	87.0	88.5
P450-3	Prime	-	67.5	69.7	73.5	75.7	85.5	87.3	-	-	-	-	-	-
	Standby	-	68.2	70.6	74.2	76.6	86.0	88.1	-	-	-	-	-	-
P500-3	Prime	106	70.5	71.5	76.5	77.5	88.8	89.6	-	-	-	-	-	-
	Standby	106	70.8	71.9	76.8	77.9	89.1	89.8	-	-	-	-	-	-
P501-3	Prime	-	-	-	-	-	-	-	69.0	70.4	75.0	76.4	87.1	88.8
	Standby	-	-	-	-	-	-	-	69.4	71.0	75.4	77.0	87.6	89.5
P550-3	Prime	106	70.8	71.9	76.8	77.9	89.1	89.8	-	-	-	-	-	-
	Standby	106	71.2	72.2	77.2	78.2	89.3	89.9	-	-	-	-	-	-
P563-3	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
P605-3	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	-	-	-	-	-	-
P625-3	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
P660-3	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	-	-	-	-	-	-
P688-3	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
P715-3	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	-	-	-	-	-	-
P750-3	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

## CAHA High Ambient Enclosure

Generator Set Model		Engine Model		Ambient Capability*			
				50 Hz		60 Hz	
				°C	°F	°C	°F
P400-3	2206A-E13TAG2	54	129	-	-		
P438-3	2206A-E13TAG5	-	-	57	135		
P450-3	2206A-E13TAG3	49	120	-	-		
P500-3	2506A-E15TAG1	55	131	-	-		
P501-3	2206A-E13TAG6	-	-	51	124		
P550-3	2506A-E15TAG2	52	126	-	-		
P563-3	2506A-E15TAG3	-	-	55	136		
P605-3	2806A-E18TAG1	55	133	-	-		
P625-3	2506A-E15TAG4	-	-	54	129		
P660-3	2806A-E18TAG1A	54	129	-	-		
P688-3	2806A-E18TAG1A	-	-	55	133		
P700-3	2806A-E18TAG2	52	126	-	-		
P750-3	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.



## Dimensions and Weights – CAE

Generator Set Model	A: mm (in)	B: mm (in)	C: mm (in)	D: mm (in)	E: mm (in)*	F: mm (in)	Weight: kg (lb)	Fuel Tank Fillable Capacity l (US gal)
P400-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	4575 (10086)	887 (234)
P438-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	4575 (10086)	887 (234)
P450-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	4667 (10289)	887 (234)
P500-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	5033 (11096)	887 (234)
P501-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	4625 (10196)	887 (234)
P550-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	5071 (11180)	887 (234)
P563-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	5033 (11096)	887 (234)
P605-3	5320 (209.4)	1920 (75.6)	2177 (85.7)	2289 (90.1)	995 (39.2)	1305 (51.4)	5554 (12244)	1157 (305)
P625-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	5071 (11180)	887 (234)
P660-3	5320 (209.4)	1920 (75.6)	2177 (85.7)	2289 (90.1)	995 (39.2)	1305 (51.4)	5694 (12551)	1157 (305)
P688-3	5320 (209.4)	1920 (75.6)	2177 (85.7)	2289 (90.1)	995 (39.2)	1305 (51.4)	5554 (12244)	1157 (305)
P715-1	5320 (209.4)	1920 (75.6)	2177 (85.7)	2289 (90.1)	995 (39.2)	1305 (51.4)	5874 (12950)	1157 (305)
P750-3	5320 (209.4)	1920 (75.6)	2177 (85.7)	2289 (90.1)	995 (39.2)	1305 (51.4)	5544 (12244)	1157 (305)

Weight with lube oil and coolant, no fuel.

\*Clearance required on both sides.

## Dimensions and Weights – CAHA

Generator Set Model	A: mm (in)	B: mm (in)	C: mm (in)	D: mm (in)	E: mm (in)*	F: mm (in)	Weight: kg (lb)	Fuel Tank Fillable Capacity l (US gal)
P400-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	4575 (10086)	887 (234)
P438-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	4575 (10086)	887 (234)
P450-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	4667 (10289)	887 (234)
P500-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	5033 (11096)	887 (234)
P501-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	4625 (10196)	887 (234)
P550-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	5071 (11180)	887 (234)
P563-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	5033 (11096)	887 (234)
P605-3	5320 (209.4)	1920 (75.6)	2177 (85.7)	2289 (90.1)	995 (39.2)	1305 (51.4)	5554 (12244)	1157 (305)
P625-3	4930 (194.1)	1658 (65.3)	2147 (84.5)	2317 (91.2)	995 (39.2)	1236 (48.7)	5071 (11180)	887 (234)
P660-3	5320 (209.4)	1920 (75.6)	2177 (85.7)	2289 (90.1)	995 (39.2)	1305 (51.4)	5694 (12551)	1157 (305)
P688-3	5320 (209.4)	1920 (75.6)	2177 (85.7)	2289 (90.1)	995 (39.2)	1305 (51.4)	5554 (12244)	1157 (305)
P715-1	5320 (209.4)	1920 (75.6)	2177 (85.7)	2289 (90.1)	995 (39.2)	1305 (51.4)	5874 (12950)	1157 (305)
P750-3	5320 (209.4)	1920 (75.6)	2177 (85.7)	2289 (90.1)	995 (39.2)	1305 (51.4)	5544 (12244)	1157 (305)

Weight with lube oil and coolant, no fuel.

\*Clearance required on both sides.

## 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.

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

350-750kVAEnclosure/0915/GB