

Modular Acoustic Enclosures

225 – 375 kVA Range



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The innovative and functional design of the 225 – 375 kVA range enclosures ensures performance in the harshest of environments. Extremely durable and robust, these enclosures are designed to resist corrosion and handling damage with the ability to withstand rough handling common on many construction sites.

The CAL/CAE enclosure is designed for operation in regions where compliance with EU noise legislation does not apply. Alternatively, the CAEU enclosure reduces sound levels to comply with the stage 2 levels of the European Community Directive 2000/14/EC which became effective 3 January 2006.

All enclosures incorporate internally mounted exhaust silencers and are designed on modular principles with many interchangeable components permitting on site repair.



Excellent Access for Maintenance

- » Large side hinged doors on both sides of enclosure providing optimal access
- » Radiator fill access plate
- » Lube oil drain valves / Coolant drain valves
- » Retaining bars securing door positions during servicing
- » Removable ducts providing maintenance access with enclosure in place

Robust/Highly Corrosion Resistant Construction

- » Galvanised steel construction further protected by polyester powder coat paint
- » Stainless steel locks and hinges
- » Body made from steel components treated with polyester powder coating
- » Corner posts manufactured from high grade composite material



Transportability

- » Optional tested and certified lifting arch
- » Lifting points on baseframe
- » Oil field type skid with dragging points and fork lift truck pockets – optional

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) for CAL / CALG Enclosure

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
P249-3	Prime	-	-	-	-	-	-	71.3	71.8	77.3	77.8	88.6	88.9
	Standby	-	-	-	-	-	-	71.5	72.0	77.5	78.0	88.7	89.1
P250-3	Prime	66.7	67.4	72.7	73.4	84.6	84.9	-	-	-	-	-	-
	Standby	66.9	67.6	72.9	73.6	84.7	85.0	-	-	-	-	-	-
P275-3	Prime	66.9	67.6	72.9	73.6	84.7	85.0	-	-	-	-	-	-
	Standby	67.1	67.9	73.1	73.9	84.8	85.2	-	-	-	-	-	-
P313-3	Prime	-	-	-	-	-	-	71.5	72.2	75.5	78.2	88.8	89.3
	Standby	-	-	-	-	-	-	71.6	72.5	75.7	78.4	88.9	89.5



Dimensions and Weights for CAL/CALG Enclosure

Generator Set Model	A: mm	B: mm	C: mm	D: mm	E*: mm	Weight: kg	Fuel Capacity: l
P249-3	3988 (157)	1208 (47.6)	1779 (70.0)	1867 (73.5)	994 (39.1)	2407 (5307)	473 (125)
P250-3	3988 (157)	1208 (47.6)	1779 (70.0)	1867 (73.5)	994 (39.1)	2447 (5,395)	473 (125)
P275-3	3988 (157)	1208 (47.6)	1779 (70.0)	1867 (73.5)	994 (39.1)	2447 (5,395)	473 (125)
P313-3	3988 (157)	1208 (47.6)	1779 (70.0)	1867 (73.5)	994 (39.1)	2447 (5,395)	473 (125)

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

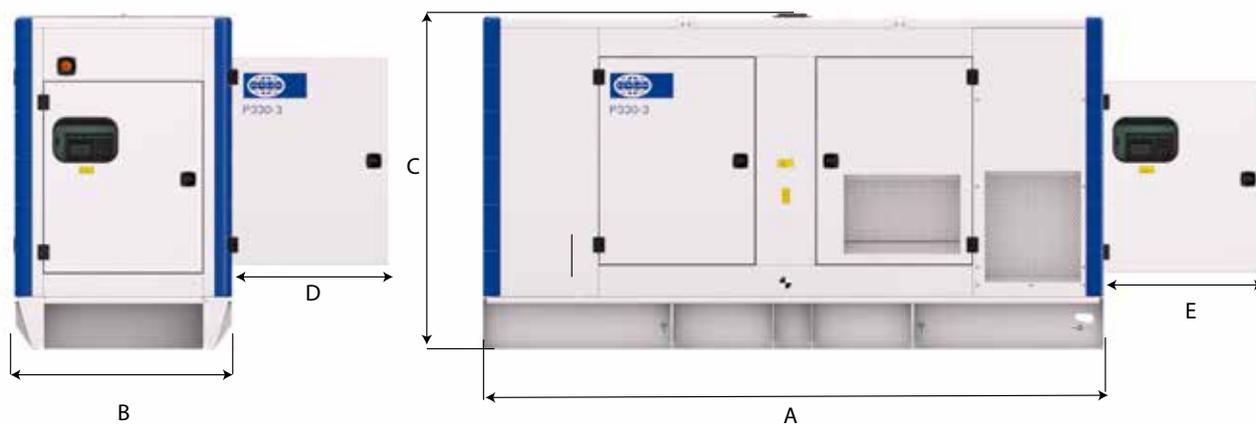
Sound Pressure Levels (dBA) for CAE Enclosure

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
P300-3	Prime	63.9	64.5	69.9	70.5	81.8	82.7	-	-	-	-	-	-
	Standby	64.1	64.8	70.1	70.8	82.1	83.1	-	-	-	-	-	-
P330-3	Prime	64.1	64.8	70.1	70.8	82.1	83.1	-	-	-	-	-	-
	Standby	64.3	65.0	70.3	71.0	82.3	83.6	-	-	-	-	-	-
P344-3	Prime	-	-	-	-	-	-	65.9	66.6	72	72.6	85.7	86.6
	Standby	-	-	-	-	-	-	66.1	66.9	72.2	72.9	86.0	87.0
P375-3	Prime	-	-	-	-	-	-	66.1	66.8	72.2	72.9	86.0	87.0
	Standby	-	-	-	-	-	-	66.3	67.1	72.4	73.1	86.2	87.5

Sound Pressure Levels (dBA) for CAEU Enclosure

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
P300-2	Prime	60.7	62.2	66.7	68.2	78.1	79.8	-	-	-	-	-	-
	Standby	61.1	62.9	67.1	68.9	78.5	80.6	-	-	-	-	-	-
P300-3	Prime	60.6	62.1	66.6	68.1	77.1	78.6	-	-	-	-	-	-
	Standby	61.0	62.7	67.0	68.7	77.5	79.3	-	-	-	-	-	-
P330-3	Prime	61.0	62.7	67.0	68.7	77.5	79.3	-	-	-	-	-	-
	Standby	61.5	63.5	67.5	69.5	78	80.3	-	-	-	-	-	-
P344-3	Prime	-	-	-	-	-	-	62.7	64.2	68.7	70.2	81.1	82.6
	Standby	-	-	-	-	-	-	63.1	64.8	69.1	70.8	81.5	83.4
P375-2	Prime	-	-	-	-	-	-	62.8	65.0	68.8	71.0	81.9	83.9
	Standby	-	-	-	-	-	-	63.4	66.0	69.4	72.0	82.5	84.9
P375-3	Prime	-	-	-	-	-	-	63.0	64.7	69.0	70.7	81.4	83.2
	Standby	-	-	-	-	-	-	63.5	65.6	69.5	71.6	81.9	84.2

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



Dimensions and Weights for CAE Enclosure

Generator Set Model	A: mm	B: mm	C: mm	D*: mm	End Door Width mm (Weight: kg	Fuel Capacity: l
P300-3	3985	1410	2165	995	1015	3276	665
P330-3	3985	1410	2165	995	1015	3396	665
P344-3	3985	1410	2165	995	1015	3276	665
P375-3	3985	1410	2165	995	1015	3276	665

Dimensions and Weights for CAEU Enclosure

Generator Set Model	A: mm	B: mm	C: mm	D*: mm	End Door Width mm (Weight: kg	Fuel Capacity: l
P300-2	4300	1410	2165	995	1015	3404	665
P300-3	4300	1410	2165	995	1015	3404	665
P330-3	4300	1410	2165	995	1015	3556	665
P344-3	4300	1410	2165	995	1015	3404	665
P375-2	4300	1410	2165	995	1015	3404	665
P375-3	4300	1410	2165	995	1015	3404	665

*Clearance required both sides; Weight with lube oil, no 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.

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.

225-375kVAEnclosure/1215/GB