

The FG Wilson weatherproof sound attenuated enclosures are a result of continuing research and development by our specialist acoustic engineers. Two levels of sound attenuation are available with this range: the standard Sound Attenuated (SA) enclosure and the Super Sound Attenuated (SSA) version. **These enclosures reduce sound levels to comply with the new European Community regulations 2000/14/EC which became effective on 1 January 2002.**

The enclosures incorporate internally mounted exhaust silencers and are of extremely rugged construction in order to withstand the rough handling common on many construction sites. They are designed on modular principles with many interchangeable components permitting on-site repair.

Robust/Highly Corrosion Resistant Construction

- ▶ 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

- ▶ Full length extra wide doors on each side
- ▶ Doors top hung and supported by gas struts
- ▶ 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



27 - 165 kVA Range



Modular Acoustic Enclosure



Sound Attenuated Enclosure (SA)



Sound Pressure Levels (dBA)

Generating Set Model	LWA	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
P27P1/P30E1	TBA	61.7	62.7	67.7	68.7	79.0	80.0	63.4	64.4	69.4	70.4	80.7	81.9
P30P1/P33E1	TBA	61.9	63.1	67.9	69.1	79.3	80.5	63.7	64.8	69.7	70.8	81.0	82.5
P40P3/P44E3	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P45P3/P50E3	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P50P1/P55E1	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P60P3/P65E3	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P80P1/P88E1	TBA	63.6	65.1	69.6	71.1	80.4	82.1	67.1	69.0	73.1	75.0	84.8	85.8
P90/P100E	98	63.5	65.0	70.0	71.0	80.0	82.0	65.5	67.0	72.0	73.0	82.0	84.0
P100/P110E	98	63.5	65.0	70.0	71.0	80.0	82.0	65.5	67.0	72.0	73.0	82.0	84.0
P135/P150E	97	62.3	63.2	68.3	69.2	80.2	80.4	66.6	67.3	72.6	73.3	84.1	84.8
P150P1/P165E1	TBA	TBA	TBA	TBA	TBA	TBA	TBA	N/A	N/A	N/A	N/A	N/A	N/A
Single Phase													
P24P1S/P26E1S	TBA	61.9	63.1	67.9	69.1	79.3	80.4	63.7	64.8	69.7	70.8	81.0	82.5
P32P3S/P35E3S	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P40P1S/P44E1S	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P45P3S/P50E3S	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P58P1S/P64E1S	TBA	63.4	64.5	69.4	70.5	80.0	81.4	66.7	68.2	72.7	74.2	83.0	84.8
P72SP1/P80ESP1	98	63.5	65.0	70.0	71.0	80.0	82.0	65.5	67.0	72.0	73.0	82.0	84.0
P80SP1/P88ESP1	98	63.5	65.0	70.0	71.0	80.0	82.0	65.5	67.0	72.0	73.0	82.0	84.0
P96SP1/P105ESP1	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA

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

Super Sound Attenuated Enclosure (SSA)

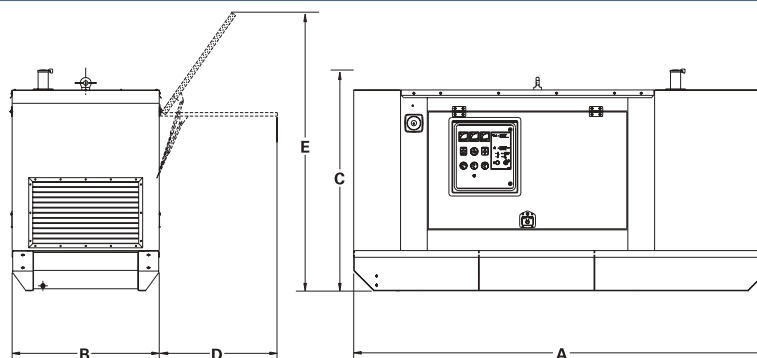


Sound Pressure Levels (dBA)

		50 Hz						60 Hz					
Generating Set Model	LWA	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
P27P1/P30E1	TBA	54.4	56.0	61.4	62.0	69.7	71.0	54.7	56.0	60.7	62.0	70.1	71.6
P30P1/P33E1	TBA	54.8	56.9	60.8	62.9	70.0	71.7	55.1	56.7	61.1	62.7	70.6	72.3
P40P3/P44E3	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P45P3/P50E3	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P50P1/P55E1	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P60P3/P65E3	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P80P1/P88E1	TBA	50.3	52.3	56.3	58.3	65.8	69.2	52.4	54.4	58.4	60.4	70.6	73.0
P90/ P100E	95	59.5	62.0	66.0	68.0	75.0	77.0	61.5	64.0	68.0	70.0	77.0	79.0
P100/P110E	95	59.5	62.0	66.0	68.0	75.0	77.0	61.5	64.0	68.0	70.0	77.0	79.0
Single Phase													
P24P1S/P26E1S	TBA	54.7	56.9	60.7	62.9	70.0	71.7	55.1	56.7	61.1	62.7	70.6	72.3
P32P3S/P35E3S	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P40P1S/P44E1S	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P45P3S/P50E3S	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
P58P1S/P64E1S	TBA	49.8	51.5	55.8	57.5	65.1	67.8	51.9	53.5	57.9	59.5	70.0	71.9
P72SP1/P80ESP1	95	59.5	62.0	66.0	68.0	75.0	77.0	61.5	64.0	68.0	70.0	77.0	79.0
P80SP1/P88ESP1	95	59.5	62.0	66.0	68.0	75.0	77.0	61.5	64.0	68.0	70.0	77.0	79.0

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

Dimensions, Weights and Fuel Capacities



Sound Attenuated Models

Generating Set Model	A: mm (in)	B: mm (in)	C: mm (in)	*D: mm (in)	E: mm (in)	Weight: kgs (lb)	Fuel Capacity L (US Gal)
P27P1/P30E1	2090 (82.3)	950 (37.4)	1558 (61.3)	880 (34.6)	2010 (79.1)	1094 (2412)	230 (61)
P30P1/P33E1	2090 (82.3)	950 (37.4)	1558 (61.3)	880 (34.6)	2010 (79.1)	1104 (2434)	230 (61)
P40P3/P44E3	2090 (82.3)	1100 (43.3)	1640 (64.6)	880 (34.6)	2080 (81.9)	1245 (2745)	245 (65)
P45P3/P50E3	2090 (82.3)	1100 (43.3)	1640 (64.6)	880 (34.6)	2080 (81.9)	1245 (2745)	245 (65)
P50P1/P55E1	2090 (82.3)	1100 (43.3)	1640 (64.6)	880 (34.6)	2080 (81.9)	1265 (2789)	245 (65)
P60P3/P65E3	2090 (82.3)	1100 (43.3)	1640 (64.6)	880 (34.6)	2080 (81.9)	1315 (2899)	245 (65)
P80P1/P88E1	2090 (82.3)	1100 (43.3)	1640 (64.6)	880 (34.6)	2080 (81.9)	1435 (3164)	245 (65)
P90/P100E	2805 (110.4)	1100 (43.3)	1610 (63.4)	885 (34.8)	2230 (87.8)	1694 (3735)	300 (79)
P100/P110E	2805 (110.4)	1100 (43.3)	1610 (63.4)	885 (34.8)	2030 (79.9)	1714 (3779)	300 (79)
P135/P150E	3425 (134.8)	1100 (43.3)	1590 (62.6)	885 (34.8)	2084 (82.0)	1970 (4343)	375 (99)
P150P1/P165E1	3425 (134.8)	1100 (43.3)	1790 (70.5)	885 (34.8)	2084 (82.0)	1975 (4354)	375 (99)
P24P1S/P26E1S	2090 (82.3)	950 (37.4)	1558 (61.3)	880 (34.6)	2010 (79.1)	1104 (2434)	230 (61)
P32P3S/P35E3S	2090 (82.3)	1100 (43.3)	1640 (64.6)	880 (34.6)	2080 (81.9)	1315 (2899)	245 (65)
P40P1S/P44E1S	2090 (82.3)	1100 (43.3)	1640 (64.6)	880 (34.6)	2080 (81.9)	1315 (2899)	245 (65)
P45P3S/P50E3S	2090 (82.3)	1100 (43.3)	1640 (64.6)	880 (34.6)	2080 (81.9)	1355 (2987)	245 (65)
P58P1S/P64E1S	2090 (82.3)	1100 (43.3)	1640 (64.6)	880 (34.6)	2080 (81.9)	1478 (3258)	245 (65)
P72SP1/P80ESP1	2805 (110.4)	1100 (43.3)	1610 (63.4)	885 (34.8)	TBA	1839 (4054)	300 (79)
P80SP1/P88ESP1	3900 (153.5)	1300 (51.2)	1996 (78.6)	950 (37.4)	TBA	2907 (6409)	550 (145)
P96SP1/P105ESP1	3900 (153.5)	1300 (51.2)	1996 (78.6)	950 (37.4)	TBA	2907 (6409)	550 (145)

Super Sound Attenuated Models

P27P1/P30E1	2850 (112.2)	950 (37.4)	1558 (61.3)	880 (34.6)	2010 (79.1)	1287 (2837)	230 (61)
P30P1/P33E1	2850 (112.2)	950 (37.4)	1558 (61.3)	880 (34.6)	2010 (79.1)	1297 (2859)	230 (61)
P40P3/P44E3	3100 (122.0)	1100 (43.3)	1651 (65.0)	880 (34.6)	2080 (81.9)	1422 (3135)	245 (65)
P45P3/P50E3	3100 (122.0)	1100 (43.3)	1651 (65.0)	880 (34.6)	2080 (81.9)	1422 (3135)	245 (65)
P50P1/P55E1	3100 (122.0)	1100 (43.3)	1651 (65.0)	880 (34.6)	2080 (81.9)	1442 (3179)	245 (65)
P60P3/P65E3	3100 (122.0)	1100 (43.3)	1651 (65.0)	880 (34.6)	2080 (81.9)	1492 (3289)	245 (65)
P80P1/P88E1	3100 (122.0)	1100 (43.3)	1651 (65.0)	880 (34.6)	2080 (81.9)	1612 (3554)	245 (65)
P90/P100E	3857 (151.9)	1100 (43.3)	1610 (63.4)	885 (34.8)	2260 (89.0)	1940 (4277)	300 (79)
P100/P110E	3857 (151.9)	1100 (43.3)	1610 (63.4)	885 (34.8)	2260 (89.0)	1940 (4277)	300 (79)
P90/P100E	3857 (151.9)	1100 (43.3)	1610 (63.4)	885 (34.8)	2260 (89.0)	1940 (4277)	300 (79)
P100/P110E	3857 (151.9)	1100 (43.3)	1610 (63.4)	885 (34.8)	2260 (89.0)	1980 (4365)	300 (79)
P24P1S/P26E1S	2850 (112.2)	950 (37.4)	1558 (61.3)	880 (34.6)	2010 (79.1)	1297 (2859)	230 (61)
P32P3S/P35E3S	3100 (122.0)	1100 (43.3)	1651 (65.0)	880 (34.6)	2080 (81.9)	1492 (3289)	245 (65)
P40P1S/P44E1S	3100 (122.0)	1100 (43.3)	1651 (65.0)	880 (34.6)	2080 (81.9)	1492 (3289)	245 (65)
P45P3S/P50E3S	3100 (122.0)	1100 (43.3)	1651 (65.0)	880 (34.6)	2080 (81.9)	1532 (3377)	245 (65)
P58P1S/P64E1S	3100 (122.0)	1100 (43.3)	1651 (65.0)	880 (34.6)	2080 (81.9)	1655 (3649)	245 (65)
P72SP1/P80ESP1	3857 (151.9)	1100 (43.3)	1610 (63.4)	885 (34.8)	TBA	2085 (4597)	300 (79)
P80SP1/P88ESP1	3857 (151.9)	1100 (43.3)	1610 (63.4)	885 (34.8)	TBA	2180 (4806)	300 (79)

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



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