

The 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 - 150 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
P27	94	62.5	63.0	68.0	68.0	79.0	79.0	64.5	65.0	70.0	70.0	81.0	81.0
P30E	94	62.5	63.0	68.0	68.0	79.0	79.0	64.5	65.0	70.0	70.0	81.0	81.0
P40P1	98	64.0	64.0	70.0	70.0	81.0	81.5	67.0	68.0	73.0	74.0	84.0	85.0
P44E1	98	64.0	64.5	70.0	70.5	81.5	82.0	68.0	68.0	74.0	74.0	85.0	85.0
P45P1	98	64.0	64.5	70.0	70.5	81.5	82.0	68.0	68.5	74.0	74.0	85.0	85.0
P50E1	98	64.0	64.5	70.0	70.5	81.5	82.0	68.0	68.5	74.0	75.0	85.0	85.0
P60P1	96	62.5	63.0	68.5	69.0	78.5	79.5	65.0	65.0	71.0	71.5	82.0	82.0
P65E1	96	62.5	63.0	68.5	69.0	78.5	79.5	65.0	65.0	71.0	71.0	82.0	82.0
P75P1	96	63.0	64.0	69.0	70.0	79.5	80.0	65.0	66.0	71.0	72.0	82.0	83.0
P83E1	96	63.0	64.0	69.0	70.0	79.5	80.5	65.0	67.0	71.0	73.0	82.0	83.0
P90	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
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	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
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	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
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
P18SP1	94	62.5	63.0	68.0	68.0	79.0	79.0	64.5	65.0	70.0	70.0	81.0	81.0
P20ESP1	94	62.5	63.0	68.0	68.0	79.0	79.0	64.5	65.0	70.0	70.0	81.0	81.0
P21SP1	94	62.5	63.0	68.0	68.0	79.0	79.0	64.5	65.0	70.0	70.0	81.0	81.0
P23ESP1	94	62.5	63.0	68.0	68.0	79.0	79.0	64.5	65.0	70.0	70.0	81.0	81.0
P27P1S	98	64.0	64.5	70.0	70.5	81.5	82.0	68.0	68.0	74.0	74.0	85.0	85.0
P30E1S	98	64.0	64.5	70.0	70.5	81.5	82.0	68.0	68.0	74.0	74.0	85.0	85.0
P32P1S	98	64.0	64.0	70.0	70.0	81.0	81.5	67.0	68.0	73.0	74.0	84.0	85.0
P35E1S	98	64.0	64.0	70.0	70.0	81.0	81.5	67.0	68.0	73.0	74.0	84.0	85.0
P36P1S	98	64.0	64.5	70.0	70.5	81.5	82.0	68.0	68.5	74.0	74.0	85.0	85.0
P40E1S	98	64.0	64.5	70.0	70.5	81.5	82.0	68.0	68.5	74.0	75.0	85.0	85.0
P45P1S	96	62.5	63.0	68.5	69.0	78.5	79.5	65.0	65.0	71.0	71.5	82.0	82.0
P50E1S	96	62.5	63.0	68.5	69.0	78.5	79.5	65.0	65.0	71.0	71.0	82.0	82.0
P56P1S	96	62.5	63.0	68.5	69.0	78.5	79.5	65.0	65.0	71.0	71.0	82.0	82.0
P62E1S	96	62.5	63.0	68.5	69.0	78.5	79.5	65.0	65.0	71.0	71.0	82.0	82.0
P72SP1	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
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	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

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

Super Sound Attenuated Enclosure (SSA)



Sound Pressure Levels (dBA)

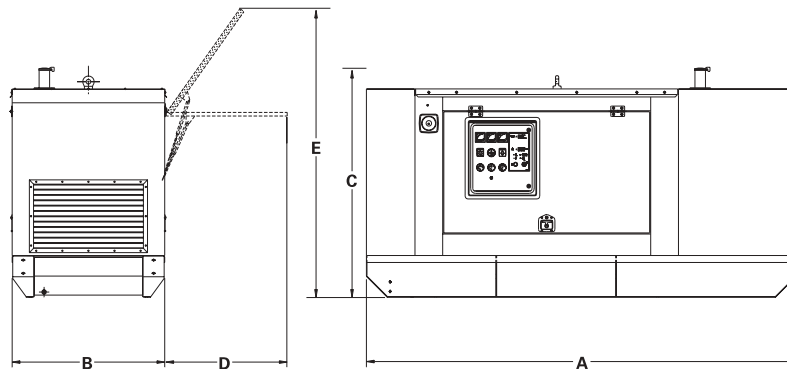
Generating Set Model	LWA	50 Hz						60 Hz					
		15 m (50 ft)		7 m (23 ft)		1 m (3 ft)		15 m (50 ft)		7 m (23 ft)		1 m (3 ft)	
		75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load
P27	90	55.5	56.0	62.0	62.0	72.0	72.0	57.5	58.0	64.0	64.0	74.0	74.0
P30E	90	55.5	56.0	62.0	62.0	72.0	72.0	57.5	58.0	64.0	64.0	74.0	74.0
P40P1	92	61.0	61.0	67.0	67.0	75.0	75.0	63.0	63.0	69.0	69.0	78.0	78.0
P44E1	92	61.0	61.0	67.0	67.0	75.0	75.0	63.0	63.5	69.0	69.5	78.0	78.0
P45P1	92	61.0	61.0	66.5	67.0	75.0	75.0	63.0	63.5	69.0	70.0	78.0	78.5
P50E1	92	61.0	61.0	67.0	67.0	75.0	76.0	63.0	64.0	69.0	70.0	78.0	78.5
P60P1	92	58.5	59.0	64.5	65.0	73.0	73.5	60.0	61.0	66.0	67.0	75.0	76.0
P65E1	92	59.0	59.0	65.0	65.0	73.5	73.5	60.0	61.0	66.0	67.0	75.0	76.0
P75P1	92	59.0	60.0	65.0	65.0	73.5	73.5	61.0	62.0	67.0	68.0	76.0	77.0
P83E1	92	59.0	61.0	65.0	67.0	73.5	76.0	61.0	61.0	67.0	68.0	76.0	77.0
P90	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
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	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
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
P18SP1	90	55.5	56.0	62.0	62.0	72.0	72.0	57.5	58.0	64.0	64.0	74.0	74.0
P20ESP1	90	55.5	56.0	62.0	62.0	72.0	72.0	57.5	58.0	64.0	64.0	74.0	74.0
P21SP1	90	55.0	56.0	62.0	62.0	72.0	72.0	57.5	58.0	64.0	64.0	74.0	74.0
P23ESP1	90	55.0	56.0	62.0	62.0	72.0	72.0	57.5	58.0	64.0	64.0	74.0	74.0
P27P1S	92	61.0	61.0	66.5	67.0	75.0	75.0	63.0	63.5	69.0	70.0	78.0	78.5
P30E1S	92	61.0	61.0	66.5	67.0	75.0	75.0	63.0	63.5	69.0	70.0	78.0	78.5
P32P1S	92	61.0	61.0	67.0	67.0	75.0	75.0	63.0	63.0	69.0	69.0	78.0	78.0
P35E1S	92	61.0	61.0	67.0	67.0	75.0	75.0	63.0	63.0	69.0	69.0	78.0	78.0
P36P1S	92	61.0	61.0	67.0	67.0	75.0	75.0	63.0	63.5	66.0	69.5	78.0	78.0
P40E1S	92	61.0	61.0	67.0	67.0	75.0	75.0	63.0	63.5	66.0	69.5	78.0	78.0
P45P1S	92	58.5	59.0	64.5	65.0	73.0	73.5	61.0	61.0	66.0	67.0	75.0	76.0
P50E1S	92	58.5	59.0	64.5	65.0	73.0	73.5	61.0	61.0	66.0	67.0	75.0	76.0
P56P1S	92	59.0	59.0	65.0	65.0	73.5	73.5	61.0	61.0	68.0	67.0	75.0	76.0
P62E1S	92	59.0	59.0	65.0	65.0	73.5	73.5	61.0	61.0	68.0	67.0	75.0	76.0
P72SP1	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
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	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 and Weights - Sound Attenuated Models

Generating Set Model	A: mm (in)	B: mm (in)	C: mm (in)	*D: mm (in)	E: mm (in)	Weight: kgs (lb)
P27/P30E	2090 (82.3)	954 (37.6)	1558 (61.3)	883 (34.8)	2010 (79.1)	983 (2168)
P40P1/P44E1	2250 (88.6)	1104 (43.5)	1646 (64.8)	885 (34.8)	2080 (81.9)	1252 (2761)
P45P1/P50E1	2250 (88.6)	1104 (43.5)	1646(64.8)	885 (34.8)	2080 (81.9)	1252 (2761)
P60P1/P65E1	2250 (88.6)	1104 (43.5)	1646 (64.8)	885 (34.8)	2080 (81.9)	1347 (2970)
P75P1/P83E1	2250 (88.6)	1104 (43.5)	1646 (64.8)	885 (34.8)	2080 (81.9)	1387 (3058)
P90/P100E	2805 (110.4)	1104 (43.5)	1610 (63.4)	885 (34.8)	2030 (79.9)	1666 (3674)
P100/P110E	2805 (110.4)	1104 (43.5)	1610 (63.4)	885 (34.8)	2030 (79.9)	1686 (3718)
P135/P150E	3425 (135.0)	1100 (43.3)	1590 (62.6)	885 (34.8)	2084 (82.0)	1945 (4288)
P18SP1/P20ESP1	2090 (82.3)	954 (37.6)	1558 (61.3)	883 (34.8)	2010 (79.1)	987 (2176)
P21SP1/P23ESP1	2090 (82.3)	954 (37.6)	1558 (61.3)	883 (34.8)	2010 (79.1)	1048 (2311)
P27E1S/P30E1S	2250 (88.6)	1104 (43.5)	1646 (64.8)	885 (34.8)	2080 (81.9)	1252 (2761)
P32P1S/P35E1S	2250 (88.6)	1104 (43.5)	1646 (64.8)	885 (34.8)	2080 (81.9)	1292 (2849)
P36P1S/P40E1S	2250 (88.6)	1104 (43.5)	1646 (64.8)	885 (34.8)	2080 (81.9)	1362 (3003)
P45P1S/P50E1S	2250 (88.6)	1104 (43.5)	1646 (64.8)	885 (34.8)	2080 (81.9)	1387 (3058)
P56P1S/P62E1S	2250 (88.6)	1104 (43.5)	1646 (64.8)	885 (34.8)	2080 (81.9)	1437 (3169)
P72SP1/P80ESP1	2805 (110.4)	1104 (43.5)	1610 (63.4)	885 (34.8)	2030 (79.9)	1811 (3993)
P80SP1	2805 (110.4)	1104 (43.5)	1610 (63.4)	885 (34.8)	2030 (79.9)	1886 (4159)

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



Dimensions and Weights - Super Sound Attenuated Models

Generating Set Model	A: mm (in)	B: mm (in)	C: mm (in)	*D: mm (in)	E: mm (in)	Weight: kgs (lb)
P27/P30E	2850 (112.2)	954 (37.6)	1555 (61.2)	883 (34.8)	2010 (79.1)	1039 (2291)
P40P1/P44E1	3100 (122.0)	1104 (43.5)	1595 (62.8)	885 (34.8)	2080 (81.9)	1450 (3197)
P45P1/P50E1	3100 (122.0)	1104 (43.5)	1595 (62.8)	885 (34.8)	2080 (81.9)	1450 (3197)
P60P1/P65E1	3100 (122.0)	1104 (43.5)	1595 (62.8)	885 (34.8)	2080 (81.9)	1575 (3473)
P75P1/P83E1	3100 (122.0)	1104 (43.5)	1595 (62.8)	885 (34.8)	2080 (81.9)	1585 (3495)
P90/P100E	3857 (151.9)	1104 (43.5)	1610 (63.4)	885 (34.8)	2060 (81.1)	1912 (4216)
P100/P110E	3857 (151.9)	1104 (43.5)	1610 (63.4)	885 (34.8)	2060 (81.1)	1952 (4304)
P18SP1/P20ESP1	2850 (112.2)	954 (37.6)	1555 (61.2)	883 (34.8)	2010 (79.1)	1049 (2313)
P21SP1/P23ESP1	2850 (112.2)	954 (37.6)	1555 (61.2)	883 (34.8)	2010 (79.1)	1104 (2434)
P27P1S/P30E1S	3100 (122.0)	1104 (43.5)	1595 (62.8)	885 (34.8)	2080 (81.9)	1450 (3197)
P32P1S/P35E1S	3100 (122.0)	1104 (43.5)	1595 (62.8)	885 (34.8)	2080 (81.9)	1520 (3352)
P36P1S/P40E1S	3100 (122.0)	1104 (43.5)	1595 (62.8)	885 (34.8)	2080 (81.9)	1560 (3440)
P45P1S/P50E1S	3100 (122.0)	1104 (43.5)	1595 (62.8)	885 (34.8)	2080 (81.9)	1585 (3495)
P56P1S/P62E1S	3100 (122.0)	1104 (43.5)	1595 (62.8)	885 (34.8)	2080 (81.9)	1635 (3605)
P72SP1/P80ESP1	3857 (151.9)	1104 (43.5)	1610 (63.4)	885 (34.8)	2060 (81.1)	2057 (4536)
P80SP1	3857 (151.9)	1104 (43.5)	1610 (63.4)	885 (34.8)	2060 (81.1)	2152 (4745)

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

