

## 3L series generating sets (10-22kVA)

To build the best generating sets in the world! This is the commitment of our engineers every time they develop a new product range. The result is embodied in the '3L series', redefining the benchmark for this power range.

Superiority has been made possible by the combination of a modern direct injection diesel fuel system and a maintenance-free, hydraulically adjusting valve train, encompassed in Lister Petter engines. As a consequence, they run smoothly and virtually free of vibration under all load conditions. Significantly lower fuel consumption and emissions underline the perfection offered by these exceptional engines.

All AJ Power 3L series generating sets incorporate Newage Stamford alternators. These alternators are renowned throughout the world for quality and performance and their utilisation of superior materials and processes.

3L series generating sets are available in three models - Economy, Basic and Digital - as outlined below:

### **Economy model:**

Complete 'ready-to-run' specification. Simple controls and limited options. But, robust construction, though not suitable for use in the EU. Available as compact sets only.

Features include: Mechanical speed governor, engine lubrication oil, engine sump drain valve, 3-phase (alternatively dedicated 1-phase) alternator, radiator with 50 degC ambient capability, coolant solution with 30% anti-freeze, polyester powder coated baseframe with earth stud, vibration isolators between genset and base, a 100 litre fuel tank with filler cap, flexible fuel lines, fuel /water separator, exhaust manifold stub pipe, exhaust silencer, wiring loom /harness, circuit breaker (3 pole\*), earth strap, battery rack and cables on base frame, heavy duty starting battery (12V, dry charged), emergency stop lock-down pushbutton, control panel (InSight1000 - see the separate brochure), operator's manual pack (English - other languages available at no extra charge).

### **Basic model:**

As for the Economy model, with added features and a wider range of options (see overleaf).

Additional features include a bundled fuel tank (minimum 8 hours) with filler cap, an enhanced InSight3000 control panel (see the separate brochure) and radiator coolant drain valve.

### **Digital model:**

Generally as Basic, but with advanced genset controls (and the option of digital engine speed governing), fully optionalised, with diagnostic capability.

Other features include a fuel tank level gauge, a sophisticated digital electronic genset control panel (InSight4000 - see the separate brochure for panel features and additional options). The control panel may be upgraded to InSight5000 for AMF operation and /or for use with an automatic transfer panel.

### **Enclosure:**

Super sound attenuated enclosures are available on Basic and Digital models. They are manufactured from heavy gauge galvanised sheet steel (polyester powder painted for rust-proofed protection) and rotationally moulded polymer end caps. The enclosures are fitted with extra-thick, high-density acoustic grade foam for superior performance. Access is provided by wide aperture lockable doors with passive fasteners used throughout. The residential silencer is mounted internally for enhanced performance and heavy-duty lifting eyes are provided on the baseframe. An internally mounted centre lifting beam is available as an optional extra.

### **Three phase\* /single phase:**

All 3L series generating sets are available as standard three phase or alternatively as dedicated single phase. Both are available for 50Hz or 60Hz.

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Lister-  
Petter  
engine



3L series  
product leaflet



Feature /option	Option codes: ■ standard □ standard option -- not available	* Number of control panel channels is limited	Fault codes: (A) for Alarm (S) for Shutdown	Reference	Economy	Basic	Basic Sound attenuated	Digital	Digital Sound attenuated
<b>Control System</b>									
Upgrade InSight4000 to InSight5000 (including battery charger BC1)				PN5	--	--	--	□	□
<b>Engine</b>									
Electronic governor				EG1	--	--	--	□	□
Coolant heater (+ auto on /off control)				WH1	--	□	□	□	□
Lube oil drain piped to side (+ valve)				LV1	--	□	■	□	■
Lube oil drain pump				LP1	--	□	□	□	□
Low lube oil press (S)				--	■	■	■	■	■
<b>Alternator</b>									
Anti-con heaters (+ auto on /off control)				AH1	--	□	□	□	□
<b>Radiator</b>									
Stone guard				SG1	□	□	--	□	--
Transition mounting flange				WT1	--	□	--	□	--
Flexible transition duct (loose)				WD1	--	□	--	□	--
Sound attenuator (loose)				WZ1	--	□	--	□	--
Weather louvre (loose)				WW	--	□	--	□	--
Low ambient coolant solution				WA2	□	□	□	□	□
High coolant temp (S)				--	■	■	■	■	■
Low coolant level (A)				WS1	--	--	--	□*	□*
Low coolant temp (A)				WC1	--	--	--	□*	□*
<b>Baseframe /Handling</b>									
Captive anti-vibration mounts				AV1	--	□	□	□	□
Single point lift				BL1	--	□	□	□	□
<b>Fuel</b>									
Fuel tank level gauge				FG1	--	□	□	■	■
Low fuel level (A)				FA1	--	--	--	□*	□*
Low fuel level (S)				FL1	--	--	--	□*	□*
<b>Exhaust</b>									
Industrial silencer (loose)				--	■	■	--	■	--
Industrial silencer mounting kit (loose)				MK1	□	□	--	□	--
Residential silencer (option is loose)				ES1	--	□	■	□	■
Residential silencer mounting kit (loose)				MK2	--	□	--	□	--
Stainless steel bellows (option is loose)				EB1	--	□	■	□	■
<b>AC Power out (3 phase only)</b>									
Circuit breaker (4-pole instead of 3-pole)				CB4	--	□	□	□	□
CEE form socket (32A, 50Hz)				SK1	--	□	□	□	□
CEE form socket (63A, 50Hz)				SK2	--	□	□	□	□
Earth leakage protection				EL1	--	--	--	□	□
<b>Battery</b>									
Low battery voltage (A)				--	■	■	■	■	■
Battery isolator switch				BI1	--	--	--	□	□
Battery with electrolyte instead of dry				BW1	□	□	□	□	□
Static battery charger (5A)				BC1	--	□	□	□	□
Addition of battery charger boost				BC2	--	--	--	□	□
Battery charging system failure (A)				--	■	■	■	■	■
<b>Other</b>									
Trailer (2-wheel, fixed height, 50mm eye)				TF2	--	--	□	--	□
Trailer (2-wheel, adjustable, 50mm ball)				TA2	--	--	□	--	□
Tool kit				TK1	□	□	□	□	□
Packing case (compact set)				PC1	□	□	--	□	--
Packing case (SA canopied)				PC2	--	--	□	--	□
CE certification (compact set)				CE1	--	□	--	□	--
CE certification (SA canopied)				CE2	--	--	□	--	□
Additional operator's manuals				OM1	□	□	□	□	□

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

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3L series standard options