



# Burtonwood™

Generator & Switchgear Services

## 3 Series Generator Sets



**.....the Power of Experience!**

# 3 Series Generators- Technical Specifications

Burtonwood Generator & Switchgear Services Ltd has always been synonymous with high performance and superior products. Designed to be safer, stronger, quieter and more durable the 3 Series meets and exceeds expectations. Available with a choice of open or enclosed units, the range provides power solutions to meet most customer requirements.

## 3L Series - Lister Petter engine (10 - 22kVA)

Superiority is encompassed in Lister Petter engines by the combination of a modern direct injection diesel fuel system and a maintenance-free, hydraulically adjusting valve train. As a result, they run smoothly and virtually free of vibration under all load conditions.

These exceptional engines offer significantly lower fuel consumption and emissions.

All Lister Petter-powered 3L series generating sets incorporate world renowned quality Newage Stamford alternators.

The 3L series generating sets are available in three models - **Economy, Classic and Digital**

- as outlined below:

### Economy model

Complete 'ready-to-run' specification with basic controls and limited options. Robust construction, although 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% antifreeze, 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 and operator's manual pack (English - other languages available at no extra charge).

### Classic Model

As for the Economy model, with added features and a wider range of options. Additional features include a bunded fuel tank (minimum 8 hours) with filler cap, an enhanced InSight3000 control panel and radiator coolant drain valve.

### Digital Model

Generally as the Classic model, 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 InSight4000 electronic genset control panel. The control panel may be upgraded to InSight5000 for AMF operation and /or for use with an automatic transfer panel.



3 Series Open Set



3 Series SA (enclosed) Set

### Enclosure

Super sound attenuated enclosures are available on Classic 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 3 Series generating sets are available as standard three phase or alternatively as dedicated single phase. Both are available for 50Hz or 60Hz.

Feature / Options S = Standard O = Options O* = No of control panel channels is limited Fault Codes (A) for Alarm (S) for Shutdown	Reference	Economy	Classic	Classic Sound Attenuated	Digital	Digital Sound Attenuated
<b>Control System</b>						
Upgrade InSight4000 to InSight5000 (including battery charger BC1)	PN5				O	O
<b>Engine</b>						
Electronic governor	EG1				O	O
Coolant heater (+ auto on /off control)	WH1		O	O	O	O
Lube oil drain piped to side (+ valve)	LV1		O	S	O	S
Lube oil drain pump	LP1		O	O	O	O
Low lube oil press (S)		S	S	S	S	S
<b>Alternator</b>						
Anti-con heaters (+ auto on /off control)	AH1		O	O	O	O
<b>Radiator</b>						
Stone guard	SG1	O	O		O	
Transition mounting flange	WT1		O		O	
Flexible transition duct (loose)	WD1		O		O	
Sound attenuator (loose)	WZ1		O		O	
Weather louvre (loose)	WW		O		O	
Low ambient coolant solution	WA2	O	O	O	O	O
High coolant temp (S)		S	S	S	S	S
Low coolant level (A)	WS1				O*	O*
Low coolant temp (A)	WC1				O*	O*
<b>Baseframe /Handling</b>						
Captive anti-vibration mounts	AV1		O	O	O	O
Single point lift	BL1		O	O	O	O
<b>Fuel</b>						
Fuel tank level gauge	FG1		O	O	S	S
Low fuel level (A)	FA1				O*	O*
Low fuel level (S)	FL1				O*	O*
<b>Exhaust</b>						
Industrial silencer (loose)		S	S		S	
Industrial silencer mounting kit (loose)	MK1	O	O		O	
Residential silencer (option is loose)	ES1		O	S	O	S
Residential silencer mounting kit (loose)	MK2		O		O	
Stainless steel bellows (option is loose)	EB1		O	S	O	S
<b>AC Power out (3 phase only)</b>						
Circuit breaker (4-pole instead of 3-pole)	CB4		O	O	O	O
CEE form socket (32A, 50Hz)	SK1		O	O	O	O
CEE form socket (63A, 50Hz)	SK2		O	O	O	O
Earth leakage protection	EL1					O
<b>Battery</b>						
Low battery voltage (A)		S	S	S	S	S
Battery isolator switch	BI1				O	O
Battery with electrolyte instead of dry	BW1	O	O	O	O	O
Static battery charger (5A)	BC1		O	O	O	O
Addition of battery charger boost	BC2				O	O
Battery charging system failure (A)		S	S	S	S	S
<b>Other</b>						
Trailer (2-wheel, fixed height, 50mm eye)	TF2			O		O
Trailer (2-wheel, adjustable, 50mm ball)	TA2			O		O
Tool kit	TK1	O	O	O	O	O
Packing case (compact set)	PC1	O	O		O	
Packing case (SA canopied)	PC2			O		O
CE certification (compact set)	CE1				O	
CE certification (SA canopied)	CE2			O		O
Additional operator's manuals	OM1	O	O	O	O	O

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We may not know what power generation services you would like but we do know we have already developed a solution for your application.

We would be pleased to send you more details on any of the products listed below. Simply photocopy this page with your information requests marked and send to the fax number at the foot of this page nearest your location.

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**Head Office:**

Unit 2

St Michaels Road

St Helens

Merseyside

WA9 4WZ

**Tel:** +44 (0) 01744 814444

**Fax:** +44 (0) 01744 814455

**Email:** sales@burtonwoodgroup.com

**Frome Office:**

Unit 4

Southgate

Commerce Park

Frome

Somerset

BA11 2RY

**Tel:** +44 (0) 1373 469679

**Fax:** +44 (0) 1373 471685

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