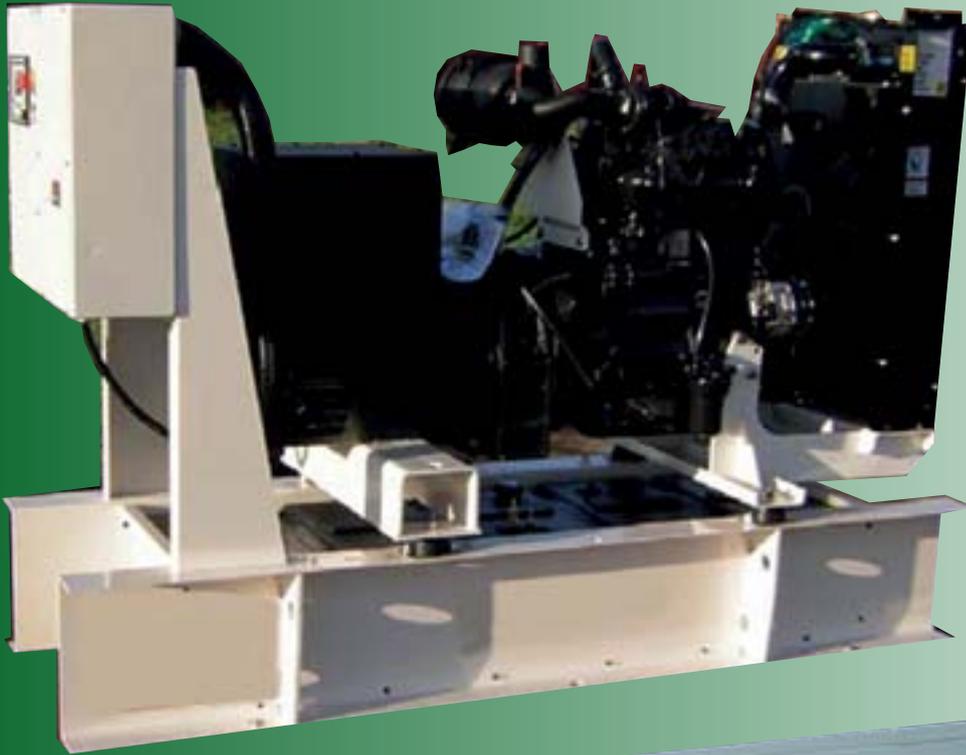




Burtonwood™

Generator & Switchgear Services

5 Series Generator Sets



.....the Power of Experience!

5 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 5 Series meets and exceeds expectations and sets new standards of excellence in both technology and performance. The fit, form and function are clearly visible, coupled with ease of control.

Product description

The 20, 34, 49 and 74 series engines combine refined power and performance with spontaneous response to changing loads. Providing power and efficiency, they are supported by a worldwide service network.

All 5 series generating sets utilise Newage Stamford alternators. These alternators are renowned for quality and performance and usage of superior materials and processes. 5 series generating sets are available in two models - **Basic and Digital** - as outlined below:

Basic model (except 74 CTAG)

Complete 'ready-to-run' specification with features as follows:

Mechanical speed governor, engine lubrication oil, engine sump drain piping and valve, 3-phase alternator, radiator with 50degC ambient capability, radiator coolant drain piping and valve, coolant solution with 30% anti-freeze. Polyester powder coated baseframe with earth stud, vibration isolators between genset and base, fuel tank (minimum 8 hours) with filler cap, flexible fuel lines, a fuel tank level gauge, fuel /water separator, exhaust manifold stub pipe, exhaust silencer. Wiring loom /harness, 3-pole circuit breaker, earth strap, battery rack and cables on base frame, heavy duty starting battery /batteries (dry charged), InSight3000 control panel, emergency stop lock-down pushbutton. Operators manual pack (English - other languages available at no extra charge).

Digital model (including 74 CTAG)

Generally as the Basic model, but with advanced genset controls, fully optionalised, with diagnostic capability. Electronic engine speed governing via CANbus is standard on 74 CTAG, and available as an option on other models.

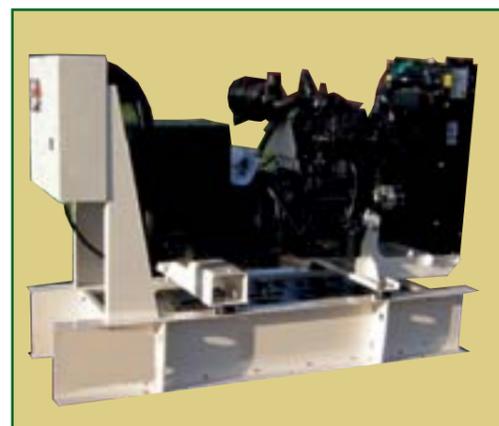
Additional features include a sophisticated digital InSight 4000 electronic genset control panel. The control panel may be upgraded to InSight5000 for AMF operation and /or for use with an automatic transfer system.

Enclosure

Super sound attenuated enclosures are manufactured from heavy gauge galvanised sheet steel (polyester powder painted for rust-proofed protection). 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.

Warranty

All models have a 12 month warranty



5 Series Open Set



5 Series SA (enclosed) Set

Feature/Options S = Standard O = Option O* = No of control panel channels is limited	Fault Codes (A) for Alarm (S) for Shutdown		Reference	Basic	Basic Sound Attenuated	Digital	Digital Sound Attenuated
Control System							
Upgrade InSight4000 to InSight5000 (including battery charger BC1)			PN5			O	O
Upgrade InSight4000 to InSight6000 (including battery charger BC1)			PN6			O	O
Engine							
Electronic governor (AJ40 - AJ220)			EG1			O	O
Electronic governor (AJ275)						S	S
Coolant heater (+ auto on /off control)			WH1	O	O	O	O
Coolant drain piped to side (+ valve)				S	S	S	S
Lube oil drain piped to side (+ valve)				S	S	S	S
Lube oil drain pump			LP1	O	O	O	O
Approaching low lube oil pressure (A)			LA1			O	O
Low lube oil press (S)				S	S	S	S
High lube oil temperature			LS1			O*	O*
Alternator							
Anti-con heaters (+ auto on /off control)			AH1	O	O	O	O
SX440 AVR (SE - self excited) [to AJ1100]			AR1	O	O	O	O
SX421 AVR + 3-phase sensing (SE)			AR2	O	O	O	O
MX341 AVR + PMG			AR3	O	O	O	O
MX321 AVR + 3-phase sensing + PMG			AR4	O	O	O	O
Quadrature droop kit			AR5	O	O	O	O
Radiator							
Stone guard			SG1	O		O	
Transition mounting flange			WT1	O		O	
Flexible transition duct (loose)			WD1	O		O	
Sound attenuator (loose)			WS2	O		O	
Weather louvre (loose)			WW1	O		O	
Low ambient coolant solution			WA2	O	O	O	O
Approaching high coolant temp (A)			WC2			O	O
High coolant temp (S)				S	S	S	S
Low coolant level (A)			WS1			O*	O*
Low coolant temp (A)			WC1			O*	O*
Baseframe /Handling							
Bunded fuel tank			BT1	O	O	O	O
Single point lift			BL1			O	O
Four point lift				S	S	S	S
Fuel							
Fuel tank level gauge				S	S	S	S
Fire valve kit (loose)			FV1	O	O	O	O
Low fuel level (A)			FA1			O*	O*
Low fuel level (S)			FL1			O*	O*
Manual by-pass valve			BPV	O	O	O	O
Exhaust							
Industrial silencer (loose)				S		S	
Industrial silencer mounting kit (loose)			MK1	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
AC Power out (3 phase only)							
Circuit breaker (4-pole instead of 3-pole)			CB4	O	O	O	O
Earth leakage protection			EL1			O	O
Battery							
Low battery voltage (A)				S	S	S	S
Battery isolator switch			BI1			O	O
Battery with electrolyte instead of dry			BW1	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
Other							
Road trailer			RT1	O	O	O	O
Sound attenuating container			CEC	O	O	O	O
Tool kit			TK1	O	O	O	O
Packing case (compact set)			PC1	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

We can offer you even more ...



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.

Don't forget to put your own details so we can respond.

- Diesel Generators
- Switchgear Services
- Generator Hire
- Generator Maintenance
- Switchgear Maintenance
- Training
- Installation

Contact name

Company name

Street

Town

Postcode

Telephone

Fax



We would like an on site consultation
Please contact us on the above telephone
number to arrange a mutually convenient
appointment.

Contact name

Position

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.....the power of experience!