

5 series generating sets (36-275kVA)

The new '5 series' sets standards of excellence both in terms of technology and performance. The fit, form and function are clearly discernable, harmonising aesthetics with clarity of control. AGCO Sisu Power produce engines which power some of the biggest names in industry worldwide including Case, Steyr, Valtra and Massey Ferguson to name but a few. They are used in a wide variety of applications - combine harvesters, excavators, graders, container handlers as well as power generation, of course.

The 20, 34, 49 and 74 series engines make a powerful statement, combining refined power and performance with spontaneous response to changing loads. More than any other engine they provide power and efficiency with the support of a worldwide network.

All 5 series generating sets utilise Newage Stamford alternators. These alternators are renowned throughout the world for quality and performance and their utilisation 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 50 degC 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), control panel (InSight3000 - see the separate brochure), emergency stop lock-down pushbutton.

Operator's manual pack (English - other languages available at no extra charge).

Digital model (including 74 CTAG):

Generally as Basic, 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 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 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 inclusive 12 months warranty.

Document reference: 5 series_product_081030-1



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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	Basic	Basic Sound attenuated	Digital	Digital Sound attenuated
Control System								
Upgrade InSight4000 to InSight5000 (including battery charger BC1)				PN5	--	--	□	□
Upgrade InSight4000 to InSight6000 (including battery charger BC1)				PN6	--	--	□	□
Engine								
Electronic governor (AJ 40 – AJ 220)				EG1	--	--	□	□
Electronic governor (AJ 275)				EG1	--	--	■	■
Coolant heater (+ auto on /off control)				WH1	□	□	□	□
Coolant drain piped to side (+ valve)				---	■	■	■	■
Lube oil drain piped to side (+ valve)				---	■	■	■	■
Lube oil drain pump				LP1	□	□	□	□
Approaching low lube oil pressure (A)				LA1	--	--	□	□
Low lube oil pressure (S)				---	■	■	■	■
High lube oil temperature (S)				LS1	--	--	□*	□*
Alternator								
Anti-con heaters (+ auto on /off control)				AH1	□	□	□	□
SX440 AVR (SE – self excited)				AR1	□	□	□	□
SX421 AVR + 3-phase sensing (SE)				AR2	□	□	□	□
MX341 AVR + PMG				AR3	□	□	□	□
MX321 AVR + 3-phase sensing + PMG				AR4	□	□	□	□
Quadrature droop kit				AR5	□	□	□	□
Radiator								
Stone guard				SG1	□	--	□	--
Transition mounting flange				WT1	□	--	□	--
Flexible transition duct (loose)				WD1	□	--	□	--
Sound attenuator (loose)				WS2	□	--	□	--
Weather louvre (loose)				WW1	□	--	□	--
Low ambient coolant solution				WA2	□	□	□	□
Approaching high coolant temp (A)				WC2	--	--	□	□
High coolant temp (S)				---	■	■	■	■
Low coolant level (A)				WS1	--	--	□*	□*
Low coolant temp (A)				WC1	--	--	□*	□*
Baseframe /Handling								
Bunded fuel basetank				BT1	□	□	□	□
Four point lift				---	■	■	■	■
Single point lift				BL1	--	□	--	□
Fuel								
Fuel tank level gauge				---	■	■	■	■
Fire valve kit (loose)				FV1	□	□	□	□
Low fuel level (A)				FL1	--	--	□*	□*
Low fuel level (S)				FL2	--	--	□*	□*
Manual by-pass valve				BPV	□	□	□	□
Exhaust								
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	□	■	□	■
AC Power out (3 phase only)								
Circuit breaker (4-pole instead of 3-pole)				CB4	□	□	□	□
Earth leakage protection				EL1	--	--	□	□
Battery								
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)				---	■	■	■	■
Other								
Road trailer				RT1	□	□	□	□
Sound attenuating container				CEC	□	□	□	□
Tool kit				TK1	□	□	□	□
Packing case (compact set)				PC1	□	--	□	--
Packing case (SA canopied)				PC2	--	□	--	□
CE certification upgrade (compact set)				CE1	□	--	□	--
CE certification upgrade (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

Document reference: 5 series_product_081030-2

5 series standard options