

# 9 series generating sets (650 kVA – 3,300 kVA)

The heart of a generating set is its engine and with MTU-DDC the 9 series has the best. Part of the Mercedes Benz family they provide quality and performance that you would expect from a global leader in heavy duty engines.

Reliability, low vibration, class-leading load acceptance and self-diagnostic electronic engine management are just some of the premium features utilised daily by over 100,000 customers.

It is not just the engine that offers something special - they drive the latest Newage Stamford alternators.

The new heavy-duty chassis /vibration mounts and the excellent InSight controls ensure superior performance with the functions to match.

9 series generating sets are available as outlined below:

## Digital model:

Complete 'ready-to-run' specification with features as follows: Electronic engine management system, engine lubrication oil, engine sump drain piping and valve, 3-phase alternator, radiator with 40 degC ambient capability (50degC available as an option), radiator coolant drain piping and valve.

Heavy-duty baseframe with earth stud, vibration isolators between genset and base, exhaust bellows, exhaust silencer (and optional base fuel tank with filler cap and flexible fuel lines). Units larger than AJ1100 have vibration isolators supplied loose for installation under the baseframe which does not include an integral fuel tank.

Wiring loom /harness, 3-pole set-mounted circuit breaker supplied as standard up to AJ1100 (floor-standing circuit breaker available as an option with units larger than AJ1100), earth strap, battery rack on base frame, battery cables, heavy duty starting battery /batteries (dry charged), InSight4000 control panel, emergency stop lock-down pushbutton.

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

## Genset control:

Standard features include a sophisticated digital electronic genset control panel, fully optionalised, with diagnostic capability. See the separate brochure for InSight4000 features and additional options.

The control panel may be upgraded to InSight5000 for AMF operation and /or for use with an automatic transfer panel.

Alternatively, it may be upgraded to InSight6000 for AutoSync with other gensets and /or the mains.

## Enclosure:

Optional ISO-style sound attenuated enclosures, manufactured from heavy gauge galvanised sheet steel. The enclosures are fitted with high-density mineral rock-wool for superior performance. Access is provided by wide aperture lockable doors with corrosion resistant fasteners used throughout.

## Warranty:

All inclusive 12 months warranty.



9 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	Digital Open /compact	Digital Sound attenuated container
<b>Control System</b>			
Upgrade InSight4000 to InSight5000 (including battery charger BC1)	PN5	□	□
Upgrade InSight4000 to InSight6000 (including battery charger BC1)	PN6	□	□
<b>Engine</b>			
Electronic engine management system	---	■	■
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	□*	□*
<b>Alternator</b>			
Anti-con heaters (+ auto on /off control)	AH1	□	□
SX440 AVR (SE – self excited) [to AJ1100]	---	■	■
SX421 AVR + 3-phase sensing (SE)	AR2	□	□
MX341 AVR + PMG	AR3	□	□
MX321 AVR + 3-phase sensing + PMG	AR4	□	□
Quadrature droop kit	AR5	□	□
<b>Radiator</b>			
Stone guard	---	■	--
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)	---	■	■
Low coolant temp (A)	WC1	□*	□*
<b>Baseframe /Handling</b>			
Anti-vibration mountings	---	■	■
Four point lift	---	■	■
<b>Fuel</b>			
Fuel tank (+ level gauge) in base [to AJ1100]	FTB	□	□
Floor-standing fuel tank	FFT	□	□
Fire valve kit (loose)	FV1	□	□
Low fuel level (A)	FL1	□*	□*
Low fuel level (S)	FL2	□*	□*
<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 (3-pole, set-mtd) [to AJ1100]	---	■	■
Circuit breaker (3-pole, floor-standing)	FSB	□	□
Circuit breaker (4-pole instead of 3-pole)	CB4	□	□
Special CB (eg ACB with motor mech)	SCB	□	□
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>			
Sound attenuating container	---	--	■
Tool kit	TK1	□	□
CE certification upgrade (compact set)	CE1	□	--
CE certification upgrade (containerised)	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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standard options