

OPEN GENSETS WITH DEUTZ ENGINE



1500 RPM	400/230 V 50 Hz	Type AD-430	430/344 Kva/KW (PRP)	477/382 Kva/KW (LTP)
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Engine: BF8M1015C
Alternator: ECO40-2S/4

Scope of Supply:

The engine and the alternator are mounted together forming a rigid monoblock, the shafts are connected by a flexible disc connection. The monoblock is mounted on a steel base frame via silent blocks. The base frame is including a fuel tank. Starting is electric and it includes a battery. The genset monitoring system consist of a control module.

GEN SET POWER

Voltage	Hz	Phase	Cos Ø	PRP* Kva/KW	LTP** Kva/KW	Amp.
415/240	50	3	0,8	430/344	477/381,6	664,4
400/230	50	3	0,8	430/344	477/381,6	689,3
380/220	50	3	0,8	430/344	477/381,6	725,6
240/120	50	3	0,8	430/344	477/381,6	1148,8
230/115	50	3	0,8	430/344	477/381,6	1198,8
220/110	50	3	0,8	430/344	477/381,6	1253,3

PRP* Kva/KW:

Available electrical power (at a variable load) with a medium of 80% of the indicated maximum power. A 10% overload capability is available

LTP** Kva/KW:

Available electrical load (at a variable load) during a maximum of 500 hours per year. No overload capability is available.

Control Cubicle Alternatives

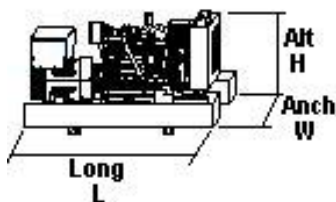
Manual/Remote Control Cubicle:: STANDARD MCP SAM 712 / OPTIONAL MCP DSE 720

Automatic Control Cubicle: STANDARD ACP DSE 720 / OPTIONAL ACP DSE 5320

Options::

Please see the price list

TECHNICAL DATA

Engine		Alternator		
Engine type:	BF8M1015C	Alternator Type:	ECO40-2S/4	
Eng. Power kW COP:	322,3	Nº of poles:	4	
Eng. Power kW PRP:	369	Eff. At 3/4 %:	94	
Eng. Power kW LTP:	407,3	Eff. At 4/4 %:	93,7	
Nº Cylinders:	V8	Alt. rating PRP kVA III Kw II:	450	
Displacement cm3:	15900	Alt. rating LTP kVA III kW II:	495	
Bore/stroke (mm/mm):	132/145	Output Power PRP kVA III kW II:	430	
Compression ratio:	16,5	Output Power LTP kVA III kW II:	477	
Cooling:	WATER	Current Amp PRP:	619	
Injection:	DIRECT	Current Amp LTP:	685	
Aspiration:	TURBO/INTERCOOLER	Standard Circuit Breaker (Amp):	800	
Standard governor:	ELECTRONIC	Xd (%):	345,6	
Governing control quality:	G3	X'd (%):	27,2	
Speed droop mech gov. (%):	0-3	X:	16,9	
Exhaust gases temperature (°C):	485	Nº of wires:	12	
Exhaust gases flow (m3/h):	4395	Insulation:	H	
Max Exh. Back pres. (mbar):	50	Regulator AVR:	UVR6	
Coolant capacity (lit.):	99	Protection:	IP21	
Cooling air flow (m3/h):	24120	DIMENSIONS		
Max allow. Intake dep. (mbar):	50	Height:	2480 mm	
Combustion air flow (m3/h):	1663	Width:	1300 mm	
Oil cap. (Litres):	45	Length:	3000 mm	
Oil cons. (kg/hr or % of fuel cons):	0,30%		Weight:	3700 kgs
Min oil press warning (bar):	2,7		Tank:	535 lit
Fuel cons. 25% lit/h:	25			
Fuel cons. 50% lit/h:	46,7			
Fuel cons. 75% lit/h:	66,5			
Fuel cons. 100% lit/h:	93,2			
Electric system VDC:	24			
Type:	Neg to ground.			
Battery (Ah):	2 X 180			
Starting motor (kW):	5,4			
Flywheel Housing:	SAE1/14			

Technical information available in download section.:

Engine technical data	Alternator Technical data	Gen Set Drawing	Instalation drawing	Control cubicle descr.
Engine manual	Alternator Manual	Gen Set Manual	Gen Set Condensed Man.	Controler manual



MANUAL -REMOTE START CONTROL MODULE: MCP SAM 712

SAM 712 CONTROLLER

- Manual or Automatic remote start controller, Selector switch for Off, Man and Auto with key. Complete engine protection functions with alarms visualised via LEDs in the front. The controller is set up via 6 DIP switches in the rear of the case.
- Standard circuit breaker and differential relay.



MANUAL-REMOTE START: MCP DSE 5320

DSE 5320 CONTROLLER

- The Model 5320 is a Manual or Automatic Start Control Module.
- The module is used to manually or automatically start and monitor a generator set. The module also provides indication of operational status and fault conditions, automatically shutting down the genset and indicating failures by means of clear text on an LCD display on the front panel.
- Communication via interface and cable via PC.

Operation of the module is via pushbutton controls with STOP/RESET, MANUAL, AUTO and START

- Standard Circuit Breaker



AUTOMATIC CONTROL MODULE: ACP DSE 5320

DSE 5320 CONTROLLER

- The Model 5320 is an Automatic Mains Failure Control Module. The module is used to monitor a mains supply and automatically start a standby generator set..
- Operation of the module is via pushbutton controls with STOP/RESET, MANUAL, TEST, AUTO and START
- The controller has a J 1939 CANBus interface for connection to modern engine ECU's. This enables engine protection and instrumentation without requiring additional sensors. Engine diagnostic information removes the need for both service equipment and cryptic diagnostic
- Comprehensive remote communication via RS232 port connecting via modem or PC. It is also possible to monitor and control the system via PC up to 100metres (111 yards) from the controller
- Standard IV poles circuit breaker (until 85 Kva.)