



1500 RPM	400/230 V 50 Hz	Type II-200	200/160 Kva/KW (PRP)	220/176 Kva/KW (LTP)
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Engine: NEF 60TE2
Alternator: ECO38-2SN/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 via silent blocks inside a steel plate soundproofed canopy including a built in fuel tank. The canopy is painted with powder paint and covered with noise insulator material. 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	200/160	220/176	306,4
400/230	50	3	0,8	200/160	220/176	317,9
380/220	50	3	0,8	200/160	220/176	334,7
240/120	50	3	0,8	200/160	220/176	529,9
230/115	50	3	0,8	200/160	220/176	552,9
220/110	50	3	0,8	200/160	220/176	578

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

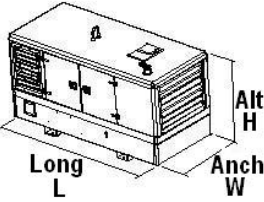
Manual/Remote Control Cubicle:: STANDARD MCP SAM 712 / OPTIONAL MCP DSE 710
 Automatic Control Cubicle: STANDARD ACP DSE 720 / OPTIONAL ACP DSE 5320

Options::

Please see the price list



TECHNICAL DATA

Engine		Alternator			
Engine type:	NEF 60TE2	Alternator Type:	ECO38--2LN/4		
Eng. Power kW COP:	-	Nº of poles:	4		
Eng. Power kW PRP:	175	Eff. At 3/4 %:	92,9		
Eng. Power kW LTP:	193	Eff. At 4/4 %:	92,7		
Nº Cylinders:	6	Alt. rating PRP kVA III Kw II:	200		
Displacement cm3:	5900	Alt. rating LTP kVA III kW II:	220		
Bore/stroke (mm/mm):	102 X 120	Output Power PRP kVA III kW II:	200		
Compression ratio:	17,5	Output Power LTP kVA III kW II:	220		
Cooling:	WATER	Current Amp PRP:	288		
Injection:	DIRECT	Current Amp LTP:	317		
Aspiration:	TURBO/ INTERCOOLER	Standard Circuit Breaker (Amp):	400		
Standard governor:	ELECTRONIC	Xd (%):	200		
Governing control quality:	G3	X'd (%):	11		
Speed droop mech gov. (%):	0	X:	5,9		
Exhaust gases temperature (°C):	581	Nº of wires:	12		
Exhaust gases flow (m3/h):	2071	Insulation:	H		
Max Exh. Back pres. (mbar):	50	Regulator AVR:	UVR6		
Coolant capacity (lit.):	44	Protection:	IP21		
Cooling air flow (m3/h):	21960	DIMENSIONS 			
Max allow. Intake dep. (mbar):	50			Height:	2060 mm
Combustion air flow (m3/h):	638			Width:	1350 mm
Oil cap. (Litres):	17			Length:	3600 mm
Oil cons. (kg/hr or % of fuel cons):	0,10%			Weight:	2475 kgs
Min oil press warning (bar):	2			Tank:	361 lit
Fuel cons. 25% lit/h:	11				
Fuel cons. 50% lit/h:	20,5				
Fuel cons. 75% lit/h:	33,8				
Fuel cons. 100% lit/h:	42,5				
Electric system VDC:	12V				
Type:	Neg to ground				
Battery (Ah):	120				
Starting motor (kW):	3				
Flywheel Housing:	SAE3/11				

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



Control Cubicles



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.)