

SOUNDPROOFED GEN SETS WITH IVECO ENGINE



1500 RPM	400/230 V 50 Hz	Type II-400	400/320 Kva/KW (PRP)	440/352 Kva/KW (LTP)
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Engine: CURSOR13TE3

Alternator: ECO40-1S/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	400/320	440/352	612,9
400/230	50	3	0,8	400/320	440/352	635,8
380/220	50	3	0,8	400/320	440/352	669,3
240/120	50	3	0,8	400/320	440/352	1059,7
230/115	50	3	0,8	400/320	440/352	1105,8
220/110	50	3	0,8	400/320	440/352	1156,1

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

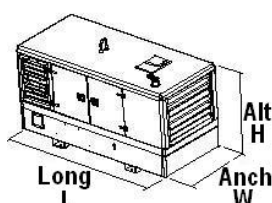
Manual/Remote Control Cubicle:: STANDARD MCP SAM 712 / OPTIONAL MCP DSE 5320

Automatic Control Cubicle: STANDARD ACP DSE 5320

Options::

Please see the price list

TECHNICAL DATA

Engine		Alternator	
Engine type:	CURSOR13TE3	Alternator Type:	ECO40-1S/4
Eng. Power kW COP:	-	Nº of poles:	4
Eng. Power kW PRP:	352	Eff. At 3/4 %:	93,8
Eng. Power kW LTP:	387	Eff. At 4/4 %:	93,5
Nº Cylinders:	6	Alt. rating PRP kVA III Kw II:	400
Displacement cm3:	12900	Alt. rating LTP kVA III kW II:	440
Bore/stroke (mm/mm):	135 X 150	Output Power PRP kVA III kW II:	400
Compression ratio:	16,5	Output Power LTP kVA III kW II:	440
Cooling:	WATER	Current Amp PRP:	576
Injection:	DIRECT	Current Amp LTP:	633
Aspiration:	TURBO/ INTERCOOLER	Standard Circuit Breaker (Amp):	630
Standard governor:	ELECTRONIC	Xd (%):	288,2
Governing control quality:	G3	X'd (%):	29,2
Speed droop mech gov. (%):	0	X:	19
Exhaust gases temperature (°C):	445	Nº of wires:	12
Exhaust gases flow (m3/h):	4604	Insulation:	H
Max Exh. Back pres. (mbar):	50	Regulator AVR:	UVR6
Coolant capacity (lit.):	67	Protection:	IP21
Cooling air flow (m3/h):	20124	DIMENSIONS	
Max allow. Intake dep. (mbar):	50	Height:	2040 mm
Combustion air flow (m3/h):	1770	Width:	1600 mm
Oil cap. (Litres):	35	Length:	4200 mm
Oil cons. (kg/hr or % of fuel cons):	0,10%	Weight:	4740 kgs
Min oil press warning (bar):	2	Tank:	534 lit
Fuel cons. 25% lit/h:	21		
Fuel cons. 50% lit/h:	41,9		
Fuel cons. 75% lit/h:	63,8		
Fuel cons. 100% lit/h:	81,3		
Electric system VDC:	12V		
Type:	Neg to ground		
Battery (Ah):	2 x 180		
Starting motor (kW):	5,5		
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

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.



AUTOMATIC/MANUAL CONTROL MODULE: ACP-MCP 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.)