



<b>1500 RPM</b>	<b>400/230 V 50 Hz</b>	<b>Type II-350</b>	<b>350/280 Kva/KW (PRP)</b>	<b>385/308 Kva/KW (LTP)</b>
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**Engine:** CURSOR13TE2

**Alternator:** ECO38-3LN/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**

<b>Voltage</b>	<b>Hz</b>	<b>Phase</b>	<b>Cos Ø</b>	<b>PRP* Kva/KW</b>	<b>LTP** Kva/KW</b>	<b>Amp.</b>
415/240	50	3	0,8	350/280	385/308	536,2
400/230	50	3	0,8	350/280	385/308	556,4
380/220	50	3	0,8	350/280	385/308	585,6
240/120	50	3	0,8	350/280	385/308	927,3
230/115	50	3	0,8	350/280	385/308	967,6
220/110	50	3	0,8	350/280	385/308	1011,6

#### 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

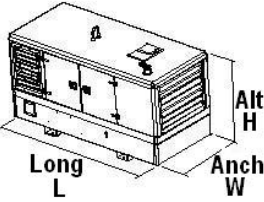
Automatic Control Cubicle: STANDARD ACP DSE 720 / OPTIONAL ACP DSE 5320

### **Options::**

Please see the price list



## TECHNICAL DATA

Engine		Alternator	
Engine type:	CURSOR13TE2	Alternator Type:	ECO38-3LN/4
Eng. Power kW COP:	-	Nº of poles:	4
Eng. Power kW PRP:	304	Eff. At 3/4 %:	93,7
Eng. Power kW LTP:	335	Eff. At 4/4 %:	93,5
Nº Cylinders:	6	Alt. rating PRP kVA III Kw II:	350
Displacement cm3:	12900	Alt. rating LTP kVA III kW II:	385
Bore/stroke (mm/mm):	135 X 150	Output Power PRP kVA III kW II:	350
Compression ratio:	16,5	Output Power LTP kVA III kW II:	385
Cooling:	WATER	Current Amp PRP:	504
Injection:	DIRECT	Current Amp LTP:	554
Aspiration:	TURBO/ INTERCOOLER	Standard Circuit Breaker (Amp):	630
Standard governor:	ELECTRONIC	Xd (%):	215
Governing control quality:	G3	X'd (%):	17,2
Speed droop mech gov. (%):	0	X:	9,4
Exhaust gases temperature (°C):	479	Nº of wires:	12
Exhaust gases flow (m3/h):	4145	Insulation:	H
Max Exh. Back pres. (mbar):	50	Regulator AVR:	UVR6
Coolant capacity (lit.):	67	Protection:	
Cooling air flow (m3/h):	20124	<b>DIMENSIONS</b>	
Max allow. Intake dep. (mbar):	50	Height:	2040 mm
Combustion air flow (m3/h):	1495	Width:	1600 mm
Oil cap. (Litres):	3,8	Length:	4200 mm
Oil cons. (kg/hr or % of fuel cons):	0,10%	Weight:	4660 kgs
Min oil press warning (bar):	2	Tank:	534 lit
Fuel cons. 25% lit/h:	21		
Fuel cons. 50% lit/h:	38,8		
Fuel cons. 75% lit/h:	57,3		
Fuel cons. 100% lit/h:	70		
Electric system VDC:	24V		
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.



### **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.)

