

MAKE	PERKINS
MODEL NUMBER	2506A-E15TAG2
PRIME POWER	500 kVA
STANDBY POWER	550 kVA
VOLTAGE	230V / 400V
PHASE	THREE PHASE
AMP @ UNITY	573 A
AMP @ 0.8PF	720 A
ONE STEP LOAD	65% OF AMP RATING

GENERAL SPECIFICATIONS

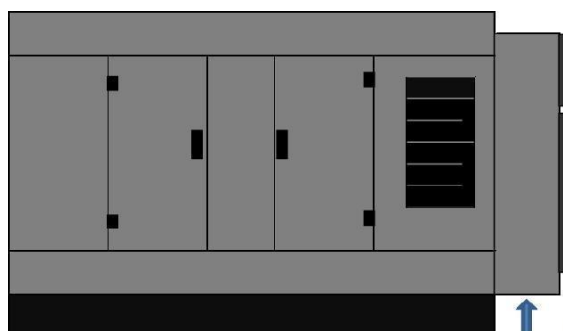


ALL CANOPIES ARE WEATHER RESISTANT AND LINED WITH SOUND REDUCTION FOAM
 VENTILATION PARTS ARE DESIGNED WITH MODULAR PRINCIPLES
 CANOPIES ARE ALL METAL AND POWDER-COATED, EQUIPPED WITH LOCKABLE DOORS
 BASE FRAME DESIGN INCORPORATES AN INTEGRAL FUEL TANK
 COASTAL ANTIRUST STAINLESS STEEL OPTIONS ARE AVAILABLE FOR THE CANOPY
 STANDARD FILLER CAP AND FUEL LEVEL GUAGE IS LOCATED INSIDE THE CANOPY
 INCLUDES DIESEL LEVEL SENSOR AND INFORMATION TO THE CONTROLLER
 STANDARD STAINLESS STEEL EXHAUST WITH SILENCER
 PERSONALISED SPECIFICATONS CAN BE ACCOMODATED



	LENGTH	WIDTH	HEIGHT	WEIGHT
STANDARD CANOPY SET DIMENSIONS	3800mm	1600mm	3600mm	4500 kg
SILENT CANOPY SET DIMENSIONS WITH NOSECONE				
FOOTPRINT	3600mm	1600mm		
ADVISED PLINTH SIZE 30MPA REINFORCED	4500mm	2200mm	300mm DEEP	

AVERAGE SOUND WITH STANDARD CANOPY	85 DB AT 7m
AVERAGE SOUND WITH SILENT CANOPY AND NOSECONE	75 DB AT 7m
DIESEL TANK SIZE	1000L



CABLE ENTRY



// ENGINE SPECIFICATIONS

- HEAVY DUTY DIESEL ENGINE
- COOLING RADIATOR AND FAN
- REPLACEABLE FUEL FILTER, OIL FILTER AND DRY ELEMENT AIR FILTER
- FUEL CONNECTION HOSES
- DC STARTER AND CHARGE ALTERNATOR



// POWERFUL GENERATOR SOLUTIONS

CYLINDER NUMBER	6
CYLINDER ARRANGEMENT	IN LINE
INDUCTION SYSTEM	TURBO CHARGED
BORE	137 mm
STROKE	171 mm
DISPLACEMENT	15.2 L
OIL CAPACITY	62 L
OIL TYPE	15W40
COMPRESSION RATIO	16:1
GENSET POWER PRIME	400 kW
GENSET POWER STANDBY	440 kW
GOVERNING	ELECTRONIC
FUEL CONSUMPTION 75% LOAD	76 L/H
FUEL CONSUMPTION 100% LOAD	100 L/H

// ALTERNATOR SPECIFICATIONS

MAKE

AS PER YOUR QUOTE DETAIL

OTHER MAKES AND MODELS ARE AVAILABLE

MODEL NUMBER

FLANGE

THE ENGINE AND ALTERNATOR ARE CLOSELY COUPLED BY MEANS OF A SAE FLANGE
ANTI-VIBRATION PADS ARE AFFIXED BETWEEN ENGINE ALTERNATOR FEET AND BASE FRAME

- BRUSHLESS, SINGLE BEARING SYSTEM
- SELF-EXCITING AND SELF-REGULATING
- CLOSE VOLTAGE REGULATION
- AVR 2/3 PITCH DESIGN AVOIDS EXCESSIVE
- NEUTRAL CURRENTS H CLASS INSULATION
- STANDARD 2/3 PITCH STARTER WINDINGS



// CONTROL PANEL SPECIFICATIONS

PANEL TYPE

AUTOMATIC MAINS FAILURE PANEL

CONTROLLER TYPE

DEEP SEA 6020 MK II



OTHER MAKES AND MODELS ARE AVAILABLE

PANEL AMP RATING	720 A
ACB AMP RATING AC3	800 A
CB GENERATOR RATING	800 A
ISOLATOR MAINS	OPTIONAL
EMERGENCY STOP	YES
BATTERY CHARGER	YES
CHANGE OVER INCLUDED	YES



THE CONTROLLER IS A MICROPROCESSOR BASED CONTROL UNIT CONTAINING ALL NECESSARY FUNCTIONS FOR PROTECTION AND CONTROL OF THE GENERATOR UNIT.

FURTHERMORE IT CONTAINS A THREE PHASE AC VOLTAGE MEASURING UNIT.

THE CONTROLLER IS EQUIPPED WITH A LCD DISPLAY PRESENTING ALL VALUES AND ALARMS.

THE ALL-IN-ONE CONTROLLER IS DESIGNED FOR THE FOLLOWING APPLICATIONS:

1. AUTOMATIC ENGINE START / STOP
2. ENGINE PROTECTION
3. BREAKER CONTROL
4. GENERATOR PROTECTION



// OPTIONAL SPECIFICATIONS

OPTIONAL

SYNCHRONIZING

FOR KVA REQUIREMENTS LARGER THAN 600 WE SUGGEST YOU CONSIDER SYNCHRONIZATION AS AN OPTION.

IT IS MORE COST EFFECTIVE FOR THE PURCHASE PRICE, MAINTENANCE AND FUEL CONSUMPTION IF UNDERLOAD, GLAZING WILL BE PREVENTED DUE TO THE EFFECTIVE CONTROL ON THE SETS

BY REGULATING AND MANAGING THE LOAD REQUIREMENTS AND SWITCHING BETWEEN SETS AUTOMATICALLY

WHEN BUSY WITH MAINTANCE OTHER SETS CAN STILL PROVIDE POWER



OPTIONAL

CONTROL FUNCTIONS

ALL CIRCUITS CAN BE DESIGNED TO MEET SPECIFIED REQUIREMENTS

ALL CONTROLLER MAKES AND MODELS ARE AVAILABLE

GSM MODEMS ARE AVAILABLE FOR SMS AND REMOTE CONTROL

EXTERNAL SIREN AND LIGHT IS AVAILABLE ON REQUEST



OPTIONAL

ISLAND MODE – ONLY AVAILABLE FOR SETS LARGER THAN 150kVA

IN MOST MANUFACTURING SYSTEMS ANY ELECTRICAL SUPPLY INTERRUPTION CAN RESULT IN LARGE MATERIAL AND PRODUCTION LOSSES.

THIS NIGHTMARE CAN BE RESOLVED DURING SCHEDULED POWER OUTAGES WITH THE ISLAND MODE. THIS IS A PLC CONTROLLED SYSTEM DESIGNED WITH THE MOST ADVANCED TECHNOLOGY.

