

MAKE	PERKINS
MODEL NUMBER	2806A-E18TAG2
PRIME POWER	650 kVA
STANDBY POWER	715 kVA
VOLTAGE	230V / 400V
PHASE	THREE PHASE
AMP @ UNITY	752A
AMP @ 0.8PF	940A
ONE STEP LOAD	60% OF AMP RATING

// GENERAL SPECIFICATIONS

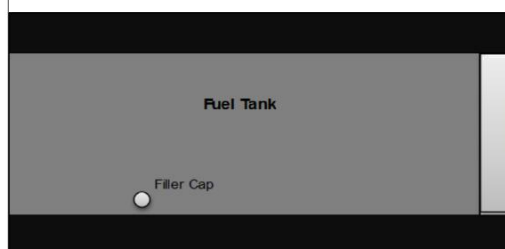
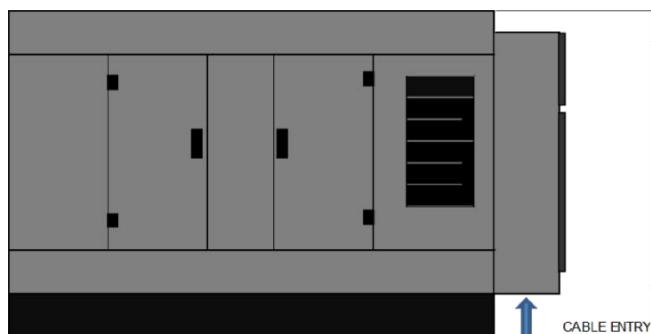


ALL CANOPIES ARE WEATHER RESISTANT AND LINED WITH SOUND REDUCTION FOAM
 VENTILATION PARTS ARE DESIGNED WITH MODULAR PRINCIPLES
 CANOPIES ARE ALL METAL AND POWDER-COATED, EQUIPPED WITH LOCKABLE DOORS
 BASE FRAME DESIGN INCORPORATES AN INTEGRAL FUEL TANK
 COASTAL ANTIRUST STAINLESS STEEL OPTIONS ARE AVAILABLE 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	3700mm	1600mm	3600mm	5200 kg
SILENT CANOPY SET DIMENSIONS WITH NOSECONE	4600mm	1600mm	3100mm	5400kg
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		



// 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	145 mm
STROKE	183 mm
DISPLACEMENT	18.1 L
OIL CAPACITY	62 L
OIL TYPE	15W40
COMPRESSION RATIO	14.5:1
GENSET POWER PRIME	520kW
GENSET POWER STANDBY	572kW
GOVERNING	ELECTRONIC
FUEL CONSUMPTION 75% LOAD	97 L/H
FUEL CONSUMPTION 100% LOAD	132 L/H

// ALTERNATOR SPECIFICATIONS

MAKE

AS PER YOUR QUOTE DETAIL

OTHER MAKES AND MODELS ARE AVAILABLE

MODEL NUMBER

FLANGE

SAE 0 / 18

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



PANEL TYPE

AUTOMATIC MAINS FAILURE PANEL

CONTROLLER TYPE

DEEP SEA 6020 MK II

OTHER MAKES AND MODELS ARE AVAILABLE

PANEL AMP RATING
ACB AMP RATING AC3
CB GENERATOR RATING
ISOLATOR MAINS
EMERGENCY STOP
BATTERY CHARGER
CHANGE OVER INCLUDED

940A
940A
N/A
N/A
YES
YES
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.

