

MAKE	PERKINS
MODEL NUMBER	2806A-E18TAG1A
PRIME POWER	600 kVA
STANDBY POWER	660 kVA
VOLTAGE	230V / 400V
PHASE	THREE
AMP @ UNITY	PHASE 694A
AMP @ 0.8PF	867A
ONE STEP LOAD	60% OF AMP RATING

// GENERAL SPECIFICATIONS

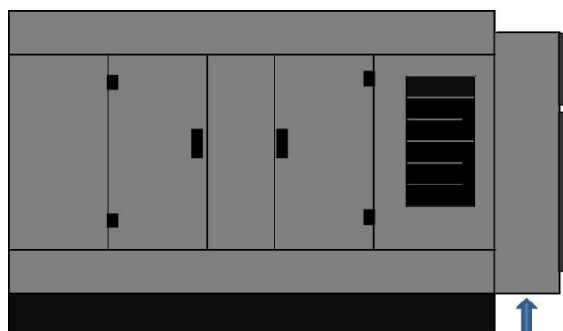


ALL CANOPIES ARE WEATHER RESISTANT AND LINED WITH SOUND REDUCTION FOAM
 VENTILATION PARTS ARE DESIGNED WITH MODULAR PRINCIPLES
 CANOPIES ARE ALL METAL AND POWDER-COATED, EQUIPPED WITH LOCKABLE DOORS
 BASE FRAME DESIGN INCORPORATES AN INTEGRAL FUEL TANK
 COASTAL ANTIRUST STAINLESS STEEL OPTIONS ARE AVAILABLE 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

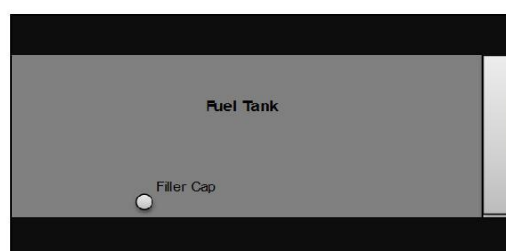


	LENGTH	WIDTH	HEIGHT	WEIGHT
STANDARD CANOPY SET DIMENSIONS	3700mm	1600mm	3600mm	5000 kg
SILENT CANOPY SET DIMENSIONS WITH NOSECONE	4600mm	1600mm	3100mm	5200kg
FOOTPRINT	3600mm	1600mm		
ADVISED PLINTH SIZE 30MPA REINFORCED	4500mm	2200mm	300mm DEEP	

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	145 mm
STROKE	183 mm
DISPLACEMENT	18.1 L
OIL CAPACITY	62 L
OIL TYPE	15W40
COMPRESSION RATIO	14.5:1
GENSET POWER PRIME	480 kW
GENSET POWER STANDBY	528 kW
GOVERNING	ELECTRONIC
FUEL CONSUMPTION 75% LOAD	90 L/H
FUEL CONSUMPTION 100% LOAD	123 L/H

// ALTERNATOR SPECIFICATIONS

MAKE

AS PER YOUR QUOTE DETAIL

MODEL NUMBER

FLANGE

SAE0 / 18

OTHER MAKES AND MODELS ARE AVAILABLE

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

867A

ACB AMP RATING AC3

1000A

CB GENERATOR RATING

N/A

ISOLATOR MAINS

N/A

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 FUNTIONS



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.

