

|               |                   |
|---------------|-------------------|
| MAKE          | PERKINS           |
| MODEL NUMBER  | 4012-46TWG2A      |
| PRIME POWER   | 1250 kVA          |
| STANDBY POWER | 1375 kVA          |
| VOLTAGE       | 230V / 400V       |
| PHASE         | THREE             |
| AMP @ UNITY   | PHASE             |
| AMP @ 0.8PF   | 1445A 1807A       |
| ONE STEP LOAD | 50% 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 CONTAINER SET DIMENSIONS 20FT                     | 6100mm                  | 2450mm | 3800mm     | 10700 kg |
| SILENT CONTAINER SET DIMENSIONS WITH NOSECONE<br>FOOTPRINT | ON SPECIAL REQUEST ONLY |        |            |          |
|                                                            | 6100mm                  | 2450mm |            |          |
| ADVISED PLINTH SIZE 35MPA REINFORCED                       | 8000mm                  | 4000mm | 400mm DEEP |          |

|                                               |                         |
|-----------------------------------------------|-------------------------|
| AVERAGE SOUND WITH STANDARD CANOPY            | 90 DB AT 10m            |
| AVERAGE SOUND WITH SILENT CANOPY AND NOSECONE | ON SPECIAL REQUEST ONLY |
| DIESEL TANK SIZE                              | 1000L                   |



## // ENGINE SPECIFICATIONS

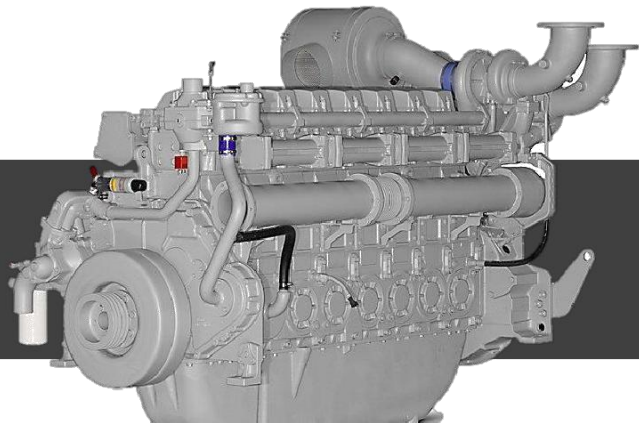
HEAVY DUTY DIESEL ENGINE

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

12 60° VEE FORM

CYLINDER ARRANGEMENT

IN LINE

INDUCTION SYSTEM

TURBO CHARGED

BORE

160 mm

STROKE

190 mm

DISPLACEMENT

45.842 L

OIL CAPACITY

177 L

OIL TYPE

15W40

COMPRESSION RATIO

13.6:1

GENSET POWER PRIME

1000Kw

GENSET POWER STANDBY

1100kW

GOVERNING

ELECTRONIC

FUEL CONSUMPTION 75% LOAD

196 L/H

FUEL CONSUMPTION 100% LOAD

259 L/H

MAKE

AS PER QUOTED SPEC

OTHER MAKES AND MODELS ARE AVAILABLE

MODEL NUMBER

FLANGE

SAE 00 / 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



## // CONTROL PANEL SPECIFICATIONS

### PANEL TYPE

AUTOMATIC MAINS FAILURE PANEL

### CONTROLLER TYPE

DEEP SEA 6020



OTHER MAKES AND MODELS ARE AVAILABLE

### PANEL AMP RATING

1807A

### ACB AMP RATING AC3 ABB

2000A

### 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.

