

MAKE	PERKINS
MODEL NUMBER	4008-TAG2A
PRIME POWER	1000 kVA
STANDBY POWER	1100 kVA
VOLTAGE	230V / 400V
PHASE	THREE PHASE
AMP @ UNITY	1146 A
AMP @ 0.8PF	1440 A
ONE STEP LOAD	55% 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	6000mm	2200mm	2800mm	11000 kg
SILENT CONTAINER SET DIMENSIONS WITH NOSECONE FOOTPRINT	ON SPECIAL REQUEST ONLY			
	6000mm	2200mm		
ADVISED PLINTH SIZE 35MPA REINFORCED	8000mm	4000mm	400mm DEEP	

AVERAGE SOUND WITH STANDARD CANOPY	95 DB AT 7m
AVERAGE SOUND WITH SILENT CANOPY AND NOSECONE	ON SPECIAL REQUEST ONLY
DIESEL TANK SIZE	1000L



// ENGINE SPECIFICATIONS

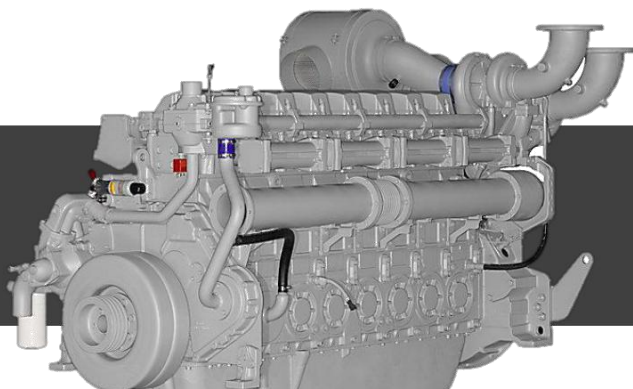
HEAVY DUTY DIESEL ENGINE

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	8
CYLINDER ARRANGEMENT	IN LINE
INDUCTION SYSTEM	TURBO & AIR TO AIR CHARGED
BORE	160 mm
STROKE	190 mm
DISPLACEMENT	30.561 L
OIL CAPACITY	153 L
OIL TYPE	15W40
COMPRESSION RATIO	13.6:1
GENSET POWER PRIME	800 Kw
GENSET POWER STANDBY	1098 kW
GOVERNING	ELECTRONIC
FUEL CONSUMPTION 75% LOAD	162 L/H
FUEL CONSUMPTION 100% LOAD	215 L/H

MAKE

LERROY SOMER

OTHER MAKES AND MODELS ARE AVAILABLE

MODEL NUMBER

LSA 50.2 M6

FLANGE

SAE 1 / 14"

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

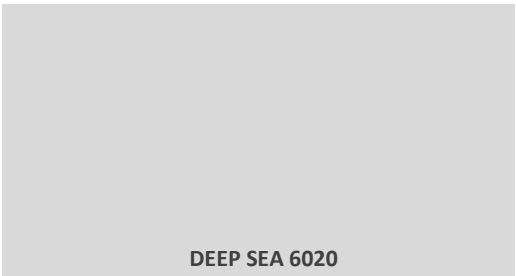


// WARRANTY SPECIFICATIONS

PANEL TYPE

AUTOMATIC MAINS FAILURE PANEL

CONTROL PANEL SPECIFICATIONS



CONTROLLER TYPE

DEEP SEA 6020

OTHER MAKES AND MODELS ARE AVAILABLE

PANEL AMP RATING	1445A
ACB AMP RATING AC3 ABB	1600 A
CB GENERATOR RATING	N 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 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.

