

MAKE	PERKINS
MODEL NUMBER	404A-22G
PRIME POWER	18 kVA
STANDBY POWER	19.8 kVA
VOLTAGE	230V
PHASE	SINGLE PHASE
AMP @ UNITY	57.6 A
AMP @ 0.8PF	72 A
ONE STEP LOAD	70% OF AMP RATING

// GENERAL SPECIFICATIONS

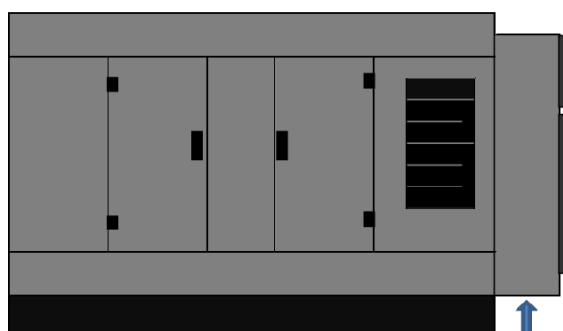


ALL CANOPIES ARE WEATHER RESISTANT AND LINED WITH SOUND REDUCTION FOAM
 VENTILATION PARTS ARE DESIGNED WITH MODULAR PRINCIPLES
 CANOPIES ARE ALL METAL AND POWDER-COATED, EQUIPPED WITH LOCKABLE DOORS
 BASE FRAME DESIGN INCORPORATES AN INTEGRAL FUEL TANK
 COASTAL ANTIRUST STAINLESS STEEL OPTIONS ARE AVAILABLE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



	LENGTH	WIDTH	HEIGHT	WEIGHT
STANDARD CANOPY SET DIMENSIONS	2100mm	900mm	1800mm	1150 kg
SILENT CANOPY SET DIMENSIONS WITH NOSECONE	2400mm	900mm	1650mm	1300 kg
FOOTPRINT	1800mm	900mm		
ADVISED PLINTH SIZE 30MPA REINFORCED	2800mm	1500mm	250mm DEEP	

AVERAGE SOUND WITH STANDARD CANOPY	82 DB AT 7m	
AVERAGE SOUND WITH SILENT CANOPY AND NOSECONE	72 DB AT 7m	
DIESEL TANK SIZE	130L	



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	4
CYLINDER ARRANGEMENT	IN LINE
INDUCTION SYSTEM	NATURALLY ASPIRATED
BORE	84 mm
STROKE	100 mm
DISPLACEMENT	2.216 L
OIL CAPACITY	10.6 L
OIL TYPE	15W40
COMPRESSION RATIO	23.3
GENSET POWER PRIME	14.4 Kw
GENSET POWER STANDBY	15.84 kW
GOVERNING	ELECTRONIC/MECHANICAL
FUEL CONSUMPTION 75% LOAD	4.0 L/H
FUEL CONSUMPTION 100% LOAD	5.3 L/H

// ALTERNATOR SPECIFICATIONS

MAKE

AS PER YOUR QUOTE DETAIL

OTHER MAKES AND MODELS ARE AVAILABLE

MODEL NUMBER

FLANGE

SAE 4 / 7.5

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 4520



OTHER MAKES AND MODELS ARE AVAILABLE

PANEL AMP RATING	72 A
CONTACTOR AMP RATING AC3	72 A
CB GENERATOR RATING	80 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.

