

MAKE	PERKINS
MODEL NUMBER	4016TAG2A
PRIME POWER	2000 kVA
STANDBY POWER	2200 kVA
VOLTAGE	230V / 400V
PHASE	THREE PHASE
AMP @ UNITY	2312A 2890 A
AMP @ 0.8PF	
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	12200mm	2450mm	4500mm	17000 kg
SILENT CONTAINER SET DIMENSIONS WITH NOSECONE	ON SPECIAL REQUEST ONLY			
FOOTPRINT	12200mm	2450mm		
ADVISED PLINTH SIZE 35MPA REINFORCED	14000mm	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

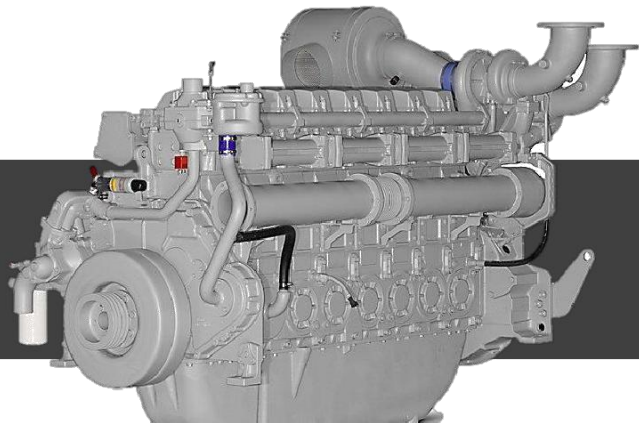
HEAVY DUTY DIESEL ENGINE

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

61.123 L

OIL CAPACITY

214 L

OIL TYPE

15W40

COMPRESSION RATIO

13.6:1

GENSET POWER PRIME

1600Kw

GENSET POWER STANDBY

1760kW

GOVERNING

ELECTRONIC

FUEL CONSUMPTION 75% LOAD

316 L/H

FUEL CONSUMPTION 100% LOAD

434 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

2890A

ACB AMP RATING AC3 ABB

3200A

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.

