Perkins 150 kVA

INTRODUCTION

Our power generation system, providing optimum performance, and reliability, for stationary standby, prime power, and continuous duty applications. All generator sets are factory build, and production tested.

Power (kVA)

3 Phase,50 Hz, PF 0.8

VOLTAGE	STANDBY RATING (ESP)		PRIME RATING (PRP)		Standby Ampere
	kW	kVA	kW	kVA	
400/231	120,00	150,00	108,00	135,00	216,51

STANDBY RATING (ESP) Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. ESP is in accordance with ISO 8528. Overload is not allowed.

PRIME RATING (PRP) Applicable for supplying power to varying electrical load for unlimited hours. PRP is in accordance with ISO 8528. 10 % overload capability is available for a period of 1 hour within 12-hour period of operation in accordance with ISO 3046.

General Characteristics

Model Name	DPX-15707
Frequency (Hz)	50
Fuel Type	Diesel
Engine Made and Model	PERKINS 1106A-70TG1
Alternator Made and Model	Stamford UCI274E
Control Panel Model	6020
Canopy	49

ENGINE SPECIFICATIONS

Engine	PERKINS
Engine Model	1106A-70TG1
Number of Cylinder (L)	6 cylinders - in line
Bore (mm.)	105
Stroke (mm.)	135
Displacement (lt.)	7.01
Aspiration	Turbo Charged
Compression Ratio	18.2:1
RPM (d/dk)	1500

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DPX POWER
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Oil Capacity (Total With Filter) (lt)	18
Standby Power (kW/HP)	122.7/164,47
Prime Power (kW/HP)	135.8/182,03
Block Heater QTY	1
Block Heater Power (Watt)	1500
Fuel Type	Diesel
Injection Type and System	Direct
Type of Fuel Pump	Delphi DPG Rotary Type
Governor System	Mechanic
Operating Voltage (Vdc)	12 Vdc
Battery and Capacity (Qty/Ah)	1x85
Charge Alternator (A)	65
Cooling Method	Water Cooled
Coolant Capacity (engine only / with radiator) (lt)	/21
Air Filter	Dry Type
Fuel Cons. Prime With %100 Load (lt/hr)	30.3
Fuel Cons. Prime With %75 Load (lt/hr)	22.7
Fuel Cons. Prime With %50 Load (lt/hr)	15.9

ALTERNATOR CHARACTERISTICS

Manufacturer	Stamford
Alternator Made and Model	UCI274E
Frequency (Hz)	50
Power (kVA)	140
VOLTAGE (V)	400
Phase	3
A.V.R.	SX460
Voltage Regulation	(+/-)1%
Insulation System	H
Rated Power Factor	0.8
WEIGHT WOUND ROTOR (Kg)	167.51
COOLING AIR (m^3/min)	30.84

Open Gen.Set Dimensions (mm)

LENGHT	2300
WIDTH	1080
HEIGHT	2566
TANK CAPACITY (lt.)	340

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Gen.Set Canopy Dimensions (mm)

LENGHT	3402
WIDTH	1147
HEIGHT	2038
TANK CAPACITY (lt.)	400

1. Steel structures
2. Emergency stop push button
3. Control panel is right side of the set.
4. Corrosion resistant locks and hinges
5. Sump drains valves
6. Sound proof foam material
7. Lifting Points

INTRODUCTION

Sound–attenuated and Weather-protective Enclosures Sound-attenuated and weather protective enclosures for generating sets from us, meet event the sound requirements and provide optimum protection from inclement weather and development by our specialist acoustic engineers. Our modular designed sound insulated canopies provide ease of access for servicing and general maintenance and interchangeable components permitting on-site repair. Enclosures are designed to optimize genset cooling performance, providing you with confidence that genset ratings and ambient capability.

Control Panel

Control Module	DSE
Control Module Model	6020
Communication Ports	MODBUS

1. Main status display.
2. Display scroll button.
3. Page(information) button.
4. Common alarm indicator.
5. Status LED's.
6. Operation selecting buttons.

Devices

-DSE, model 6020 Auto Mains Failure control module.

-Battery charger input 198-264 volt, output 27,6 V 5 A (24 V) or 13,8 Volt 5A (12V)

-Emergency stop push button and fuses for control circuits.

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