DIA-P 250

Output Ratings

Genset Model	Prime[1]	Standby[2]
380-415V, 50Hz	225kVA / 180kW	250kVA / 200kW
480V, 60Hz	-	-

Ratings are given at 0,8 power factor

Dimension & Weight

Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]
2750/3635	1250/1250	1720/2100	1875/2520	

Dry: With Lube Oil Wet: With Lube Oil & Coolant

Without canopy/ with canopy

Engine Technical Data

Engine Model :	Perkins 1506-E88TAG2
Number of Cylinders:	6 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	112 / 149
Induction :	Turbocharged CAC
Cooling Method :	Water
Governor Type :	Electronic
Compression Ratio :	16.1:1
Displacement [lt] :	8.8
Electrical Sys. Voltage	12 / Negative
Battery Charger Amps.	45

Cooling System

		50Hz	60Hz
Cooling System Capacity [lt] :		37,2	-
Heat rejected to Water & Lube Oil [kW]:			
	Prime	95	-
	Standby	103	-
Heat Radiation to Room [kW] :			
	Prime	37	-
	Standby	40	-
Radiator Fan Load [kW] :		7.0	-
Radiator Cooling Air Flow [m^3/min] :		375	-

Lubrication System

Total Oil Capacity [lt] :	26,4
Oil Type :	API CH4/CG4 15W-40
Oil Cooling Method :	Water

Exhaust System

		50Hz	60Hz
Max. Allowable Back Pressure [kPa] :			
		10.7	-
Exhaust Gas Flow [m^3/min] :			
	Prime	-	-
	Standby	40,3	-
Exhaust Gas Temp. [$^\circ$C] :			
	Prime	-	-
	Standby	526	-

Fuel System

Fuel Filter Type :	Replaceable Element
Recommended Fuel :	Class A2 Diesel

Fuel Consumption [lt] :

Prime	110% Load	100% Load	75% Load	50% Load
50Hz	53	48,5	37,5	26,1
60Hz	-	-	-	-

(Based on diesel fuel with a spec. gravity of 0,84 and complied with BS2869, Class A2)

Performance

		50Hz	60Hz
Engine Speed [rpm] :		1500	-
Gross Engine Power [kW] :			
	Prime	205	-
	Standby	224	-

Air Systems

		50Hz	60Hz
Air Filter Type :		Replaceable Element	
Combustion Air Flow [m^3/min] :			
	Prime	-	-
	Standby	14,9	-

Alternator Data

Manufacturer :	LINZ
Model :	PRO28S C/4
No. of Bearings :	Single
Insulation Class:	H
Winding Pitch :	2/3
Number of Wire :	12
Protection Class :	IP23
Efficiency:	92.1%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Appearent power [kVA]:	265

Available Options

Diamond offers a range of optional features to tailor our gensets to meet your power requirements.

Options:

* A wide range of Sound Attenuated Enclosures
* A variety of generating set control and synchronising panels
* Additional alarms and shutdowns
* A selection of exhaust silencer noise levels

For further information on all of the standard and optional features for this product, please contact DIAMOND or visit www.diamondcable.com.tr

1-Prime Rating: These ratings are applicable for supplying continuous electrical power (at variable load) of commercially purchased power. There is no limitation to the annual hours of operation, this model can supply 10% overload power 1 hour in each 12 hours.

2-Standby Rating: These ratings are applicable for supplying continuous electrical power (at variable load) in the event of an utility power failure.No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528)

Standard Reference Conditions: Standart reference conditions 25'C Air Inlet Temp. 100m, 30% relative humidity.